

# A LADOK<sub>3</sub> Python API

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## **Abstract**

We provide a Python wrapper for the LADOK<sub>3</sub> REST API. This wrapper provide a useful object-oriented framework for working with LADOK and direct API calls that return the unprocessed JSON data directly from LADOK.

We also provide a command-line interface (CLI) for the library. We then construct some useful (shell) scripts using this CLI. These scripts automates the reporting of results from Canvas to LADOK.

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# Chapter 1

## Introduction

LADOK (abbreviation of Lokalt Adb-baserat DOKumentationssystem, in Swedish) is the national documentation system for higher education in Sweden. This is the documented source code of `ladok3`, a LADOK<sub>3</sub> API wrapper for Python.

The `ladok3` library provides a non-GUI application (a command-line interface, CLI) that, similar to access via a web browser, only provides the user with access to the LADOK data and functionality that they would actually have based on their specific user permissions in LADOK. It can be seen as a very streamlined web browser just for LADOK's web interface. While the library exploits caching to reduce the load on the LADOK server, this represents a subset of the information that would otherwise be obtained via LADOK's web GUI export functions.

You can install the `ladok3` package by running

```
1 python3 -m pip install ladok3 # to use it in Python, or
2 pipx install ladok3           # to just use the CLI
```

in the terminal.

Then you can use the CLI by running `ladok` in the terminal. The command has built-in help, simply run `ladok -h` to see the available commands. However, the first thing you want to run after installing the package is

```
3 ladok login
```

This will set up your credentials for the CLI. However, if you want to use the library in a script, you can read

```
4 ladok login -h
```

for alternative ways of providing your credentials.

For use in Python scripts, we provide the main class `LadokSession` (Section 9.1). The `LadokSession` class acts like 'factories' and will return objects representing various LADOK data. These data objects' classes inherit the `LadokData` (Section 9.2.1) and `LadokRemoteData` (Section 9.2.3) classes. Data of the type `LadokData` is not expected to change, unlike `LadokRemoteData`, which is. Objects of type `LadokRemoteData` know how to update themselves, i.e., fetch and refresh their data from LADOK. When relevant they can also write data to LADOK, i.e., update entries such as results.

One design criteria is to improve performance. We do this by caching all factory methods of any `LadokSession`. The `LadokSession` itself is also designed to be



cacheable: if the session to LADOK expires, it will automatically reauthenticate to establish a new session.

You can find a quick reference by running

```
5 pydoc ladok3 # doesn't work if installed with pipx
```

## **Part I**

# **Example applications**

## Chapter 2

# Transfer results from Canvas to LADOK

In this chapter we'll see some scripts for reporting results from Canvas to LADOK. These scripts are run as cronjobs. This means that they run unattended and only produce output when they need attention.

We want to report results for courses that are titled 'DD2520 VT25', 'DD1310 HT24', 'DD1317 HT24', and similar in Canvas. The advantage to using this command is that it will automatically report the correct dates and everyone who has participated in the grading of each student—as required by regulation. The official tools, like KTH Transfer to Ladok or SUNET's version of the same, don't do this. They don't set the dates correctly, meaning that each individual should have a separate date (date of submission). They also don't register the graders in LADOK. For each results, everyone who participated in the grading process should be registered in LADOK.

We'll have a script `<ladok.sh 4a>` that is run by cron. It's useful to load our profile, so that we have our normal environment.

```
4a <ladok.sh 4a>≡  
#!/bin/bash  
. ${HOME}/.profile
```

This definition is continued in chunk 4b.  
Root chunk (not used in this document).

We also want some helper functions and a main function that is only run when the script is run. If the script is sourced, the main function is not run. This way we can use the helper functions in our terminal.

```
4b <ladok.sh 4a>+≡  
  <constants 5a>  
  <helper functions 6a>  
  
main() {  
  <main script 5b>  
}  
  
# Only run if this is the main script  
if [[ "${BASH_SOURCE[0]}" == "${0}" ]]; then  
  main "$@"
```

fi

We need to report more than once for a course. All students might not be done by the time of reporting. When they're done, we must report the results again<sup>1</sup>. Sometimes a student finishes a course years after it ended. To speed up execution it's better to report results for a sliding window of courses, instead of all courses. For those rare cases when a student finishes a course years after it ended, we can report the results manually for that course again—by importing and invoking the functions below in the terminal.

We'll let YEARS be a regex for the years that we're interested in reporting for. We'll use the current year and the previous year. The advantage of this window is that when we pass new year's eve, the autumn courses are still current for a few weeks—but the year is the wrong one. As a side effect, during autumn we report results for any late results for the previous year too.

To construct the regex for years, we simply take a sequence of years (24 25) and make a regex ((24|25)) out of it.

```
5a <constants 5a>≡
YEAR=$(date +%y)
YEARS=$(echo -n "("; \
    seq $((YEAR - 1)) $YEAR \
    | sed -zE "s/\s|/g" \
    | sed "s/|$/)/")
```

This definition is continued in chunk 7b.

This code is used in chunk 4b.

<sup>1</sup>And students have a right to do this without having to reregister on a later course round.

## 2.1 Reporting results on course components

We want a script that reports the results for all courses, including all previous years, to LADOK. We want to do this for previous years as sometimes they finish assignments years after the course ended.

We'll add a function that takes a course regex and a component regex and reports the results to LADOK. To report the modules, we sometimes need to override the default summary function of canvaslms<sup>2</sup>. We want something like this:

```
5b <main script 5b>≡
report_components "DD1301 HT${YEARS}" \
    LAB1
report_components "DD131[057] HT${YEARS}" \
    "(LAB|MAT|KAL)[1-3]"
report_components "DA2215 [HV]T${YEARS}" \
    INL1

report_components "DD2520 VT${YEARS}" \
    INL1
report_components "DD2520 VT${YEARS}" \
    LAB1 \
    canvaslms.grades.tilkryLAB1
```

This definition is continued in chunk 6b.

This code is used in chunk 4b.

<sup>2</sup>For details on canvaslms results, see Chapters 10 and 11 in its documentation, found on <https://github.com/dbosk/canvaslms/releases/tag/v4.7>. Particularly Chapter 11 discusses the summary modules. You can also read pydoc canvaslms.grades for a more brief summary.

Note that the line reporting for DD1310 reports for *all* instances as well—that course is given five times in parallel. But the assessment should be the same so it is sufficient that one of the examiners run this script to report all the results.

To get the results out of Canvas we'll use the `canvaslms results` command. We must install the `canvaslms` tool. We can do this by running:

```
1 python3 -m pip install canvaslms # to use it with Python, or
2 pipx install canvaslms          # to only use the CLI
3 canvaslms login                  # or read `canvaslms login --help`
```

For details on how to extract the results, read `canvaslms results --help` (also read Footnote 2 on page 5).

```
6a <helper functions 6a>≡
report_components() {
    local course="$1"
    local component="$2"
    local summary_module="$3"

    local summary_opt=""
    if [[ -n "$summary_module" ]]; then
        summary_opt="-S $summary_module"
    fi

    # Get the course results from Canvas.
    canvaslms results -c "$course" -A "$component" $summary_opt \
    | sed -E 's/ ?[HV]T[0-9]{2}( \(.*\))?//' \
    | <tee the component results to use for course grades 7a> \
    | ladok report -fv # Report them to LADOK.
}
```

This definition is continued in chunk 7.

This code is used in chunk 4b.

## 2.2 Reporting course grade

Now we can set the course grades based on the reported components. We'll have to report one course at a time since the course grade is based on different components in different courses.

```
6b <main script 5b>+≡
report_course "DD131[057] HT${YEARS}" \
    LAB3
report_course "DD2520 VT${YEARS}" \
    LAB1
```

This code is used in chunk 4b.

We don't need to report the course grade for the other courses since they have only one component. For courses with only one component, LADOK will automatically set the course grade based on the grade of the single component.

Setting the course grade can be done in several ways. The first option is to look at what results are already attested in LADOK. Unfortunately, this requires the round code—which we don't have access to<sup>3</sup>. However, we can get this data from

<sup>3</sup>For a brief period, IT included the round code in the course title in Canvas at KTH. That was beneficial in many ways, but unfortunately it faced a backlash from teachers and it was undone.

the `canvaslms results` line in `report_components`. That's why we want to tee that data out of that pipeline.

When we tee the data out, we want to use the `-a` option to append if the file already exists. The reason for this is that we want all results for the course in one file. But sometimes we might have to run the script several times—once for each component.

7a `<tee the component results to use for course grades 7a>≡`  
`tee -a "${DATA_DIR}/${course}-results.csv"`

This code is used in chunk 6a.

7b `<constants 5a>+≡`  
`DATA_DIR='mktemp -d'`

This code is used in chunk 4b.

We'll provide a function that takes a course and a component and returns the results for that course and component. If no component is given, we use all components. If we don't have results from before, we report those components to get the data.

7c `<helper functions 6a>+≡`  
`component_grades() {`  
 `local course="$1"`  
 `local component="${2:-[A-Z]{3}[0-9]+}"`  
 `local grades="${DATA_DIR}/${course}-results.csv"`  
  
 `if [[ ! -f "$grades" ]]; then`  
 `report_components "$course" "$component"`  
 `fi`  
 `cat "$grades" \`  
 `| grep -E "\s${component}\s" \`  
 `| sort -u`  
`}`

This code is used in chunk 4b.

The data we get here has the following columns (tab separated):

```
1 course    component    student    grade    date    graders
```

Now we can use this file when reporting the course grades. If the file doesn't exist, we simply run `report_components`. If the results are not yet attested (certified), the `ladok report` command will simply give an error that all components of the course are not yet attested.

Now it's just to sort out the students and then for each student get the grade of the component, get the latest grade date of all components and finally report to LADOK.

7d `<helper functions 6a>+≡`  
`report_course() {`  
 `local course="$1"`  
 `local component="$2"`  
  
 `for student in $(component_grades "$course" \`  
 `| cut -f 3)`

```
do
  local grade=$(component_grades "$course" "$component" \
    | grep "$student" \
    | cut -f 4)
  local grade_date=$(component_grades "$course" \
    | grep "$student" \
    | cut -f 5 \
    | sort \
    | tail -n 1)

  if [ "$grade" = "" ]; then
    continue
  fi

  local course_code=$(component_grades "$course" "$component" \
    | grep "$student" \
    | cut -f 1 \
    | sort -u)

  # 'component code = course code' yields final grade on course.
  ladok report -fv "$course_code" "$course_code" \
    "$student" "$grade" "$grade_date"
done
}
```

This code is used in chunk 4b.

## Chapter 3

# Transfer results from Canvas to LADOK in Python

Here we provide an example program `canvas2ladok.py` which exports results from Canvas to LADOK for the introductory programming course `prgi` (DD1315).

However, a better way to do this is by using the CLI (see Chapter 2 for an even better version):

```
1  #!/bin/bash
2
3  . ${HOME}/.profile
4
5  year=22
6  courses="DD13(10HT${year}|17HT${year})"
7  components="(LAB[123]|MAT1|KAL1)"
8
9  canvaslms results -c "$courses" -A "$components" \
10 | sed -E "s/ ?[HV]T[0-9]{2}( \\.*)?//" \
11 | ladok report -fv
```

But now we'll have a look at how we can do this (well, a simpler version) in Python.

### 3.1 Overview

We want to get results out of Canvas and put them into LADOK. We want to take each assignment group in Canvas and map into a course component in LADOK. *Assumption:* we assume that all assignments in the Canvas course instance are grouped; and each group must map exactly to the names of the LADOK components.

The course components in LADOK (and assignment groups in Canvas) for the `prgi` (DD1315) course are

- LAB<sub>1</sub>,
- LAB<sub>2</sub>,
- LAB<sub>3</sub>,



- MAT<sub>1</sub><sup>1</sup>.

<sup>1</sup>URL: <https://www.kth.se/student/kurser/kurs/DD1315>

The LAB<sub>3</sub> component corresponds to a project. In Canvas, it has P/F assignments (e.g., presentation) and one A–F assignment (the project itself). The component grade is based on the project itself, but the other assignments each must have a P too.

For now we will ignore setting the grade on the full course.

When running the program we must have the following environment variables set:

- LADOK\_LOGIN and LADOK\_PASSWD which hold the credentials for LADOK (or KTH CAS).
- CANVAS\_SERVER and CANVAS\_TOKEN to point to the Canvas server to use and a token to authenticate.

We provide a Docker image for running this program.

### 3.1.1 Building files

We provide the following files:

- `<canvas2ladok.mk 10>`.
- `<Dockerfile 11a>`,
- `<canvas2ladok.py 11b>`,

We provide an include file for GNU make to build all the targets.

10

```
<canvas2ladok.mk 10>≡
.PHONY: all
all: canvas2ladok.py prgi2ladok

.PHONY: prgi2ladok
prgi2ladok: canvas2ladok.py Dockerfile
    docker build -t prgi2ladok .

Dockerfile: canvas2ladok.nw
    ${NOTANGLE}

.PHONY: clean
clean:
    ${RM} canvas2ladok.pdf canvas2ladok.py
    ${RM} Dockerfile canvas2ladok.mk

.PHONY: distclean
distclean:
    -docker image rm prgi2ladok
```

Root chunk (not used in this document).

The Docker image will just contain the `canvas2ladok.py` file and run it by default.

```
11a <Dockerfile 11a>≡
    FROM dbosk/ladok3

    RUN pip install -no-cache-dir canvasapi
    COPY canvas2ladok.py ./

    CMD ["python", "./canvas2ladok.py"]
Root chunk (not used in this document).
```

### 3.2 `canvas2ladok.py`: configuration and dependencies

We use the standard structure for the script. We start with the imports and set up our `ladok` and `canvas` objects, these are used to access the two systems.

```
11b <canvas2ladok.py 11b>≡
    import cachetools
    from canvasapi import Canvas
    import collections
    import datetime
    import ladok3
    import os
    import re

    LOGIN = os.environ["LADOK_USER"]
    PASSWD = os.environ["LADOK_PASS"]

    ladok = ladok3.LadokSession("KTH",
                                vars={"username": LOGIN, "password": PASSWD},
                                test_environment=False) # for experiments

    API_URL = os.environ["CANVAS_SERVER"]
    API_KEY = os.environ["CANVAS_TOKEN"]

    canvas = Canvas(API_URL, API_KEY)

    course_code_ladok = "DD1315"
    # We match all course round HT20 and onwards
    course_code_canvas = "DD1315[HV]T[2-9][0-9]"
    components = [
        "LAB1",
        "LAB2",
        "LAB3",
        "MAT1"
    ]

    <classes 13b>
    <functions 12a>
```

```
def main():
    <main body 12d>

    if __name__ == "__main__":
        main()
```

Root chunk (not used in this document).

### 3.3 Getting the results out of Canvas

We must first select the course. We do this by matching against a regular expression.

```
12a <functions 12a>≡
    @cachetools.cached(cache={})
    def get_courses(code):
        pattern = re.compile(code)

        for course in canvas.get_courses():
            if pattern.match(course.course_code):
                yield course

        return None
```

This definition is continued in chunks 12–15.

This code is used in chunk 11b.

We must process each assignment group (which corresponds to a LADOK component). So we get all relevant objects from Canvas.

```
12b <functions 12a>+≡
    def get_components(course):
        for component in course.get_assignment_groups():
            if component.name in components:
                yield component
```

This code is used in chunk 11b.

For each component, we must check which students passed all assignments; we must report the student's LADOK identifier, what grade they should have and the time of submission of the assignment.

```
12c <functions 12a>+≡
    def students_results(course, component):
        <produce results for a component 15b>
```

This code is used in chunk 11b.

We cover the details in Section 3.6, once we've covered what LADOK needs in Section 3.5.

### 3.4 The main body

Then we can report those results to LADOK. In summary, we do the following:

```
12d <main body 12d>≡
    for course in get_courses(course_code_canvas):
        for component in get_components(course):
```

```

print(f"{course.course_code} {component.name}")
component_results = students_results(course, component)
report_results(course_code_ladok, component.name, component_results)

```

This code is used in chunk 11b.

### 3.5 Putting the results into LADOK

We get a list of results for a component. We simply try to report them to LADOK.

```

13a <functions 12a>+≡
def report_results(course_code, component_name, results):
    for result in results:
        try:
            student = ladok.get_student(result.person_nr)
            course = student.courses(code=course_code)[0]
            component = course.results(component=component_name)[0]
            if not component.attested:
                component.set_grade(result.grade, result.date)
                component.finalize()
            elif component.grade != result.grade:
                print(f"{student}: attested {component.component} "
                    f"result {component.grade} is different from {result.grade}.")
        except Exception as err:
            try:
                print(f"{student}: {err}")
            except ValueError as verr:
                print(f"{verr}: {result.person_nr}: {err}")

```

This code is used in chunk 11b.

### 3.6 Producing the list of results

We need the result to have the following data:

```

13b <classes 13b>≡
Result = collections.namedtuple(
    "Result", ["person_nr", "date", "grade", "grade_scale"])

```

This definition is continued in chunk 13c.

This code is used in chunk 11b.

Now, given a component, we should produce such Result tuples.

#### 3.6.1 Produce gradebook

To do this, we must first produce a gradebook that we can filter. The gradebook will use the simpler Grade tuple. It will use the student's LADOK ID as the key.

```

13c <classes 13b>+≡
Grade = collections.namedtuple("Grade", ["grade", "date"])

```

This code is used in chunk 11b.

To create the gradebook, we will first fetch all the users and then fetch all the submissions. Then we will map them together. This way we only need two requests to Canvas, instead of one per user.

```
14a <functions 12a>+≡
def make_gradebook(course, component):
    gradebook = {}

    users_by_id = {}
    for user in course.get_users(enrollment_type=["student"]):
        users_by_id[user.id] = user
        gradebook[user.integration_id] = {}

    for assignment in assignments_in_component(course, component):
        for submission in assignment.get_submissions():
            try:
                user = users_by_id[submission.user_id].integration_id
            except KeyError:
                # This only happens for the Test Student
                continue

            if not submission.graded_at:
                gradebook[user][assignment.name] = None
                continue

            date = submission.submitted_at or submission.graded_at
            date = datetime.date.fromisoformat(date.split("T")[0]) or None
            graded_date = datetime.date.fromisoformat(
                submission.graded_at.split("T")[0])
            if date > graded_date:
                date = graded_date

            gradebook[user][assignment.name] = \
                Grade(grade=submission.grade, date=date)

    return gradebook
```

This code is used in chunk 11b.

Note that for some users, we won't get any submission. And for some other users, we get a submission with no grade and no date.

We the component object doesn't give the assignments it include. We must check each assignment if it belongs to the component or not.

```
14b <functions 12a>+≡
def assignments_in_component(course, component):
    return filter(
        lambda assignment: assignment.assignment_group_id == component.id,
        course.get_assignments())
```

This code is used in chunk 11b.

### 3.6.2 Assignment grades to component grade

Next, we must filter the gradebook so that only the students who passed all assignments are reported to LADOK with a pass. A student must pass all assignments, the latest date sets the date to use in LADOK. *Assumption:* If some assignments are P/F and some are A–F, then the A–F one should be the grade. There will not be more than one A–F assignment per component.

```
15a <functions 12a>+=
def summarize(grades):
    max_grade = "P"
    grade_scale = "PF"
    max_date = datetime.date(year=1970, month=1, day=1)
    for _, grade in grades.items():
        if grade is None or grade.grade is None or grade.grade[0] == "F":
            return None

        if grade.date > max_date:
            max_date = grade.date

        if grade.grade in "ABCDE":
            max_grade = grade.grade
            grade_scale = "AF"

    return (Grade(grade=max_grade, date=max_date), grade_scale)
```

This code is used in chunk 11b.

### 3.6.3 Convert to LADOK result form

Lastly, we must put these things together and convert the result to the Result format that we need.

```
15b <produce results for a component 15b>≡
to_report = []
gradebook = make_gradebook(course, component)

for ladok_id, grades in gradebook.items():
    try:
        grade, grade_scale = summarize(grades)
    except TypeError as err:
        # Only happens for students who are not done
        continue

    to_report.append(Result(
        person_nr=ladok.get_student(ladok_id).personnummer,
        grade=grade.grade,
        grade_scale=grade_scale,
        date=grade.date))

return to_report
```

This code is used in chunk 12c.

## **Part II**

# **The command-line interface**

## Chapter 4

# The base interface

This is the documentation of the command-line interface module (`cli`) of the `ladok3` package, [⟨cli.py 17⟩](#).

The command-line interface is divided into subcommands, similar to Git. Currently, we provide the following commands:

**data** The command outputs all results for all rounds of a course in CSV format.

### 4.1 Overview of the source code and dependencies

We use `argparse` with `argcomplete` to handle the command-line interface. We use `appdirs` to handle configuration directories on various systems, we set up a global `dirs` that we can use.

```
17 <cli.py 17>≡
#!/bin/env python3
"""A command-line interface for LADOK 3"""

import appdirs
import argcomplete, argparse
import base64
from cryptography.fernet import Fernet
from cryptography.hazmat.primitives import hashes
from cryptography.hazmat.primitives.kdf.pbkdf2 import PBKDF2HMAC
import getpass
import json
import keyring
import ladok3
import os
import pickle
import re
import sys
import traceback
import weblogin
import weblogin.ladok
import weblogin.seamlessaccess as sa
```



*⟨modules 30a⟩*

```
dirs = appdirs.AppDirs("ladok", "dbosk@kth.se")
```

*⟨functions 18b⟩*

*⟨command-line interface 18a⟩*

Root chunk (not used in this document).

## 4.2 A command-line interface

The idea is that we have the basic command that can take some options and ultimately some subcommand. The subcommands do the heavy lifting. We use a standard Pythonic if-main construction.

**18a** *⟨command-line interface 18a⟩*≡

```
def main():
    """Run the command-line interface for the ladok command"""
    ⟨process command-line options 18c⟩

    if __name__ == "__main__":
        try:
            main()
            sys.exit(0)
        except Exception as e:
            err(-1, e)
```

This code is used in chunk **17**.

We want uniform error handling. We will use the function `err` for errors and `warn` for warnings, both inspired by `err(3)` and `warn(3)` in the BSD world.

**18b** *⟨functions 18b⟩*≡

```
def err(rc, msg):
    print(f"{sys.argv[0]}: error: {msg}", file=sys.stderr)
    sys.exit(rc)

def warn(msg):
    print(f"{sys.argv[0]}: {msg}", file=sys.stderr)
```

This definition is continued in chunks **20d**, **24–26**, and **29d**.

This code is used in chunk **17**.

### 4.2.1 Process command-line options

The main part done here is to set up a `LadokSession` object `ls`. We can do this in two ways: (1) create a new object using the user's credentials to log in; or (2) restore the `ls` object from a previous run.

We'll use `argparse` to parse the command-line options.

**18c** *⟨process command-line options 18c⟩*≡

```
argp = argparse.ArgumentParser(
    description="This is a CLI-ification of LADOK3's web GUI.",
    epilog="Web: https://github.com/dbosk/ladok3"
)
```

```

<add global configuration options 22b>
subp = argp.add_subparsers(
    title="commands",
    dest="command",
    required=True
)
<add subparsers to subp 23a>
argcomplete.autocomplete(argp)
args = argp.parse_args()
<create or restore the LadokSession ls 20a>
<execute subcommand 19>
<save LadokSession ls 20b>

```

This code is used in chunk 18a.

For each subcommand, we will add a subparser (`subp.add_parser`) that will set the `func` attribute. Then we can execute the correct function and let that function check the remaining arguments. We must also pass on a LADOK session object `ls`.

We note, however, that some subcommands (like `cache` or `login`) don't need the `ls`. The command `login` in particular is expected to run before the `ls` object can be constructed (no credentials exist). The reason this works is that we can create the `ls` object with `None` for credentials, the failure will not happen until we make the first request. The first request is made by the command's function, which in the case of `login` never uses `ls`.

```

19 <execute subcommand 19>≡
    if "func" in args:
        args.func(ls, args)

```

This code is used in chunk 18c.

### 4.3 Create the LadokSession ls

We have several options for creating the `LadokSession` object `ls` that must be passed to the subcommand:

- (1) The first one is to read the user's credentials (from the keyring, environment or configuration) and create the `ls` object by instantiating the `LadokSession` class.
- (2) Read a pickled `LadokSession` object from file.

The second option allows us to save time by not having to reestablish an authenticated session to LADOK. The authentication step takes much more time than individual LADOK requests.

We want to handle authentication for all universities. This means that we must keep track of two things, the institution and the user's credentials<sup>1</sup> at that institution. When we create the LADOK session object, we must supply those credentials to the `weblogin.ladok.SSOlogin` login handler.

<sup>1</sup>Which is usually a username and a password.

This leads to the following approach. `LADOK_INST` is simply a string identifying the institution at SeamlessAccess.org (see documentation of `weblogin`) and `LADOK_VARS` is a dictionary where the keys map to variable names and the values

should be substituted in the login forms (see documentation of weblogin). We use LADOK\_VARS as credentials, since it contains the credentials.

```
20a <create or restore the LadokSession ls 20a>≡
    LADOK_INST, LADOK_VARS = load_credentials(args.config_file)
    try:
        ls = restore_ladok_session(LADOK_VARS)
    <handle exceptions during restore of ls 20c>
    if not ls:
        ls = ladok3.LadokSession(LADOK_INST, vars=LADOK_VARS)
```

This code is used in chunk 18c.

```
20b <save LadokSession ls 20b>≡
    store_ladok_session(ls, LADOK_VARS)
```

This code is used in chunk 18c.

Now, if there is an error from `restore_ladok_session`, we know that there is a session that should be loaded. If there is no previous session, it will just return `None`. In the event of an exception, we know that either the credentials aren't available to decrypt it or the file is corrupted. In either case, we should tell the user.

```
20c <handle exceptions during restore of ls 20c>≡
    except ValueError as error:
        err(-1, f"Couldn't restore LADOK session: {error}")
```

This code is used in chunk 20a.

#### 4.3.1 Saving and restoring the LadokSession object

Now we need to implement the `store_ladok_session` and `restore_ladok_session` functions. We will use `pickle` for storing and restoring the object. But we also want to encrypt the stored object using authenticated encryption. That way, we know that we can trust the pickle (which is otherwise a problem).

```
20d <functions 18b>+≡
def store_ladok_session(ls, credentials):
    if not os.path.isdir(dirs.user_cache_dir):
        os.makedirs(dirs.user_cache_dir)

    file_path = dirs.user_cache_dir + "/LadokSession"

    pickled_ls = pickle.dumps(ls)
    <encrypt pickled ls 21a>

    with open(file_path, "wb") as file:
        file.write(encrypted_ls)

def restore_ladok_session(credentials):
    file_path = dirs.user_cache_dir + "/LadokSession"

    if os.path.isfile(file_path):
        with open(file_path, "rb") as file:
            encrypted_ls = file.read()
            <decrypt encrypted ls 21b>
```

```

    if pickled_ls:
        return pickle.loads(pickled_ls)

```

```

    return None

```

This code is used in chunk 17.

We don't want to only encrypt the object, we also want to provide integrity for the object. This is to avoid any vulnerabilities with pickle. We use the cryptography module to handle the encryption. In particular, we use the `cryptography.fernet` protocol which encrypts using AES and signs using HMAC.

We will use the user's LADOK password to generate a cryptographic key. Then we do the encryption/decryption.

```

21a <encrypt pickled ls 21a>≡
    <set up kdf and derive key from credentials 21c>

    fernet_protocol = Fernet(key)
    encrypted_ls = fernet_protocol.encrypt(pickled_ls)

```

This code is used in chunk 20d.

```

21b <decrypt encrypted ls 21b>≡
    <set up kdf and derive key from credentials 21c>

    fernet_protocol = Fernet(key)
    try:
        pickled_ls = fernet_protocol.decrypt(encrypted_ls)
    except Exception as err:
        warn(f"cache was corrupted, cannot decrypt: {err}")
        pickled_ls = None

```

This code is used in chunk 20d.

To actually do the key derivation, we use the PBKDF2 based on HMAC. We use the supplied credentials for salt and password.

```

21c <set up kdf and derive key from credentials 21c>≡
    if not credentials or len(credentials) < 2:
        raise ValueError(f"Missing credentials, see 'ladok login -h'.")

    if isinstance(credentials, dict):
        try:
            salt = credentials["username"]
            passwd = credentials["password"]
        except KeyError:
            credentials = list(credentials.values())
            <get salt and passwd from credentials list 22a>
    else:
        <get salt and passwd from credentials list 22a>

    kdf = PBKDF2HMAC(
        algorithm=hashes.SHA256(),
        length=32,
        salt=salt.encode("utf-8"),

```

```

    iterations=100000
)
key = base64.urlsafe_b64encode(kdf.derive(passwd.encode("utf-8")))

```

This code is used in chunk 21.

22a *<get salt and passwd from credentials list 22a>*≡

```

    salt = credentials[0]
    passwd = credentials[1]

```

This code is used in chunk 21c.

## 4.4 Configuration

We provide a global configuration file. We want to allow the user to specify different locations for the configuration.

**Location of configuration files** We want the user to be able to specify the location of the configuration file.

22b *<add global configuration options 22b>*≡

```

    argp.add_argument("-f", "-config-file",
        default=f"{dirs.user_config_dir}/config.json",
        help="Path to configuration file "
            f"(default: {dirs.user_config_dir}/config.json) "
            "or set LADOK_USER and LADOK_PASS environment variables.")

```

This code is used in chunk 18c.

Since we provide the default value here, we can always rely on it to be available, so we can use `args.config_file` directly when we want to access the configuration file.

## 4.5 Managing credentials: the login command

We want a subcommand to handle the user's credentials for accessing LADOK. In particular, we need the user to be able to change the credentials in the system keyring, e.g., in case the user wrote the wrong password. The rest we don't need to do much about, merely point out the possibilities to the user.

22c *<login description 22c>*≡

Manages the user's LADOK login credentials. There are three ways to supply the login credentials, in order of priority:

1) Through the environment: Just set the environment variables

a) LADOK\_INST, the name of the institution, e.g. KTH Royal Institute of Technology;

b) LADOK\_VARS, a colon-separated list of environment variables, similarly to what's done in 'ladok login' -- most don't need this, but can rather set LADOK\_USER (the username, e.g. dbosk@ug.kth.se) and LADOK\_PASS (the password) instead.

2) Through the configuration file: Just write

```
{{
  "institution": "the name of the university"
  "username": "the actual username",
  "password": "the actual password"
}}
```

to the file `{dirs.user_config_dir}/config.json` (default, or use the `-f` option). (The keys `'username'` and `'password'` can be renamed to correspond to the necessary values if the university login system uses other names.)

3) Through the system keyring: Just run `'ladok login'` and you'll be asked to enter the credentials and they will be stored in the keyring. Note that for this to work on the WSL platform (and possibly on Windows), you need to install the `'keyrings.alt'` package: `'python3 -m pip install keyrings.alt'`.

The keyring is the most secure. However, sometimes one want to try different credentials, so the environment should override the keyring. Also, on WSL the keyring might require you to enter a password in the terminal--this is very inconvenient in scripts. However, when logging in, we first try to store the credentials in the keyring.

This code is used in chunk 23a.

```
23a <add subparsers to subp 23a>≡
login_parser = subp.add_parser("login",
    help="Manage login credentials",
    formatter_class=argparse.RawDescriptionHelpFormatter,
    description=f"""
<login description 22c>
""")

login_parser.set_defaults(func=update_credentials_in_keyring)
```

This definition is continued in chunks 29 and 30.

This code is used in chunk 18c.

#### 4.5.1 Updating the credentials in the keyring

As stated, if the subcommand is run, we should update the credentials in the keyring.

```
23b <login prompt 23b>≡
This login process is exactly the same as when you log in using
the web browser. You need three things:
```

- 1) The name of your institution, so that it can be uniquely identified.
- 2) Your username at your institution. This is sometimes a username (such as `'dbosk'`) or an email address (such as `'dbosk@kth.se'`). However,

occasionally, you type in the username in the web browser and it is actually complemented: for instance, at KTH, I type in my username 'dbosk' and then on the password screen, I can see it has been complemented to 'dbosk@ug.kth.se'. Be observant about that.

3) Your password at your institution.

This code is used in chunk 24a.

If we run this subcommand, also want to clear the cache; otherwise, the cache will keep the outdated credentials.

```
24a <functions 18b>+≡
def update_credentials_in_keyring(ls, args):
    print("""
<login prompt 23b>
""")
    while True:
        institution = input("Institution: ")
        <check that institution uniquely identifies on SeamlessAccess 24c>

    vars = {
        "username": input("Institution username: "),
        "password": getpass.getpass("Institution password: [input is hidden] ")
    }
    <try to log into LADOK to verify credentials or update vars 25a>

    try:
        keyring.set_password("ladok3", "institution", institution)
        keyring.set_password("ladok3", "vars", ";".join(vars.keys()))
        for key, value in vars.items():
            keyring.set_password("ladok3", key, value)
    except Exception as err:
        <print error message about keyring 24b>

    clear_cache(ls, args)
```

This code is used in chunk 17.

We want to print using the err function defined earlier. But this doesn't work due to all exceptions named err. However, we can access it using the `globals()["err"]`.

```
24b <print error message about keyring 24b>≡
globals()["err"](-1, f"You don't seem to have a working keyring. "
                  f"Use one of the other methods, see "
                  f"'ladok login -h': {err}.")
```

This code is used in chunk 24a.

Now, we want to check that the institution is uniquely identified at SeamlessAccess using the name provided by the user. We do this by looking up the name and asking the user to change if not a unique match.

```
24c <check that institution uniquely identifies on SeamlessAccess 24c>≡
matches = sa.find_entity_data_by_name(institution)
```

```

if not matches:
    print("No match, try again.")
    continue

if len(matches) > 1:
    print("More than one match. Which one?")
    for match in matches:
        print(f"- {match['title']}")
    continue

match = matches[0]

print(f"Matched uniquely, using {match['title']}\n"
      f"          with domain {match['domain']} and\n"
      f"          unique identifier {match['id']}".)

institution = match['id']
break

```

This code is used in chunk 24a.

Once we're done with the institution, we can try to log in with the credentials. We do this by creating a LADOK session object and try if we can successfully make an API call. If there is an authentication error, we'll get a `weblogin.AuthenticationError` exception that can be used by the user to debug and adjust the variable names needed by their institution's login service.

```

25a <try to log into LADOK to verify credentials or update vars 25a>≡
while True:
    temp_ls = ladok3.LadokSession(institution, vars=vars)

    try:
        temp_ls.user_info_JSON()
    except weblogin.AuthenticationError as err:
        adjust_vars(vars, err.variables)
    else:
        break

```

This code is used in chunk 24a.

```

25b <functions 18b>+≡
def adjust_vars(vars, form_variables):
    print("""
    <user instructions to adapt variable names and values 26a>
    """)
    input("\nPress return to continue.\n")

    <adjust vars using variables from err 26b>

```

This code is used in chunk 17.

An authentication error can be due to several things:

- (1) the user entered the username or (more likely) the password incorrectly,
- (2) the user's institution uses different names for their form fields than username and password.



In both cases, we'll ask the user to review the variables and their contents, and adjust if necessary.

**26a** *<user instructions to adapt variable names and values 26a>≡*  
 Some part of the authentication went wrong. Either you typed your username or password incorrectly, or your institution requires some adjustments. We'll guide you through it.

We will show you some variable names and values and give you the opportunity to change the values according to the name of the variable. For instance, we assume that the institution call the variable for the username 'username', but they might call it 'användarnamn' instead. You'll have to figure this out.

Remember, the problem might also be that you entered your username as 'dbosk', when it should be 'dbosk@ug.kth.se' -- or something similar. Use your institution's login page to figure this out.

Note: Your password will be visible on screen during this process.

This code is used in chunk **25b**.

We note that `weblogin.ladok.SSOlogin` requires the keys to be casefolded. So we do that too, and present the variables casefolded so that the users use casefolded names when they try to set up environment variables.

**26b** *<adjust vars using variables from err 26b>≡*  

```
for key, value in form_variables.items():
    key = key.casefold()
    new_val = input(f"{key} = '{value}' "
                   f"[enter new value, blank to keep] ")
    if new_val:
        vars[key] = new_val
```

This code is used in chunk **25b**.

### 4.5.2 Loading user credentials

The `load_credentials` function will try to get the user's LADOK credentials. There are three locations:

- (1) the system keyring,
- (2) the environment variables: `LADOK_INST`, `LADOK_USER` and `LADOK_PASS`,
- (3) the configuration file.

They are given the priority they are listed in above. It tries to fetch the credentials in the given order; if it succeeds, it returns those credentials, otherwise it tries the next. If all fail, the function will return `None` for both. (This is due to how we handle the login command.)

**26c** *<functions 18b>+≡*  

```
def load_credentials(filename="config.json"):
    """
    Loads credentials from environment or file named filename.
    Returns the tuple (institution, credential dictionary) that
```

```
can be passed to 'LadokSession(institution, credential dictionary)'.
"""
```

```
<fetch institution from environment 27a>
<fetch username and password from environment 27b>
<fetch vars from environment 27c>
<fetch vars from config file 28b>
<fetch vars from keyring 28c>
<fetch username and password from keyring 29a>
```

```
return None, None
```

This code is used in chunk 17.

First in priority is to read from the environment. We try to read the institution. If that fails, we assume we're using the old format that only supported KTH.

```
27a <fetch institution from environment 27a>≡
    try:
        institution = os.environ["LADOK_INST"]
    except:
        institution = "KTH Royal Institute of Technology"
```

This code is used in chunk 26c.

```
27b <fetch username and password from environment 27b>≡
    try:
        vars = {
            "username": os.environ["LADOK_USER"],
            "password": os.environ["LADOK_PASS"]
        }
        if institution and vars["username"] and vars["password"]:
            return institution, vars
    except:
        pass
```

This code is used in chunk 26c.

If we couldn't read the old LADOK\_USER and LADOK\_PASS, we try to read the vars from the environment using LADOK\_VARS. Note that we need the institution to be set from LADOK\_INST above for this.

```
27c <fetch vars from environment 27c>≡
    try:
        vars_keys = os.environ["LADOK_VARS"]

        vars = {}
        for key in vars_keys.split(":"):
            try:
                value = os.environ[key]
                if value:
                    vars[key] = value
            except KeyError:
                <print warning about missing variable in LADOK_VARS 28a>

        if institution and vars:
```

```

        return institution, vars
    except:
        pass

```

This code is used in chunk 26c.

Unlike in the other cases, we don't just ignore the exception of the key not existing. Since the user has explicitly specified the variable, we should warn them that it doesn't exist.

```

28a <print warning about missing variable in LADOK_VARS 28a>≡
    warn(f"Variable {key} not set, ignoring.")

```

This code is used in chunk 27c.

If none of the above worked, we try the config file next. We pop the institution from the configuration file (a dictionary), because then the remaining entries will be used as vars.

```

28b <fetch vars from config file 28b>≡
    try:
        with open(filename) as conf_file:
            config = json.load(conf_file)

            institution = config.pop("institution",
                                    "KTH Royal Institute of Technology")
            return institution, config
    except:
        pass

```

This code is used in chunk 26c.

Lastly, if nothing else worked, we try to fetch the institution and vars from the keyring. Note that keyring returns None if the key doesn't exist, it doesn't raise an exception.

```

28c <fetch vars from keyring 28c>≡
    try:
        institution = keyring.get_password("ladok3", "institution")
        vars_keys = keyring.get_password("ladok3", "vars")

        vars = {}
        for key in vars_keys.split(";"):
            value = keyring.get_password("ladok3", key)
            if value:
                vars[key] = value

        if institution and vars:
            return institution, vars
    except:
        pass

```

This code is used in chunk 26c.

However, if that fails, we fall back on the previous format, that only supported KTH.

```
29a <fetch username and password from keyring 29a>≡
try:
    institution = "KTH Royal Institute of Technology"
    username = keyring.get_password("ladok3", "username")
    password = keyring.get_password("ladok3", "password")
    if username and password:
        return institution, {"username": username, "password": password}
except:
    pass
```

This code is used in chunk 26c.

## 4.6 Managing the cache: the cache command and subcommands

We need a command to control the cache. For this purpose we provide the cache subcommand. This command will in turn have subcommands.

```
29b <add subparsers to subp 23a>+≡
    cache_parser = subp.add_parser("cache",
        help="Manage cache",
        description="Manages the cache of LADOK data"
    )
    cache_subp = cache_parser.add_subparsers(
        title="subcommands",
        dest="subcommand",
        required=True
    )
    <add subcommands to cache command 29c>
```

This code is used in chunk 18c.

### 4.6.1 Clear the cache

Since the cache stores sensitive data (student data) and the login credentials, we want to be able to clear the cache.

```
29c <add subcommands to cache command 29c>≡
    cache_clear = cache_subp.add_parser("clear",
        help="Clear the cache",
        description="Clears everything from the cache"
    )
    cache_clear.set_defaults(func=clear_cache)
```

This code is used in chunk 29b.

The `clear_cache` function will clear the cache. We simply remove the existing cache file and then exit. If we don't exit using `sys.exit`, the main program will write the cache back again on its exit.

```
29d <functions 18b>+≡
def clear_cache(ls, args):
    try:
        os.remove(dirs.user_cache_dir + "/LadokSession")
```

```
except FileNotFoundError as err:
    pass
```

```
sys.exit(0)
```

This code is used in chunk 17.

## 4.7 Other subcommands

To add a subcommand we must add a subparser to the subp parser object from above, we do this in *<add subparsers to subp 23a>*. Every subcommand exists in a separate module and that module provides the function `add_command_options` that takes `subp` as an argument.

We add the data subcommand.

```
30a <modules 30a>≡
    import ladok3.data
```

This definition is continued in chunk 30.

This code is used in chunk 17.

```
30b <add subparsers to subp 23a>+≡
    ladok3.data.add_command_options(subp)
```

This code is used in chunk 18c.

We add the report command.

```
30c <modules 30a>+≡
    import ladok3.report
```

This code is used in chunk 17.

```
30d <add subparsers to subp 23a>+≡
    ladok3.report.add_command_options(subp)
```

This code is used in chunk 18c.

We add the student command.

```
30e <modules 30a>+≡
    import ladok3.student
```

This code is used in chunk 17.

```
30f <add subparsers to subp 23a>+≡
    ladok3.student.add_command_options(subp)
```

This code is used in chunk 18c.

## Chapter 5

# The course command

We want to compute statistics based on LADOK data. We want to answer the following questions:

- (1) What are the grade distribution of a course round?
- (2) How do grade distributions differ between years (i.e., rounds) for the same course?
- (3) How do grade distributions differ between (similar) courses?
- (4) How is the throughput distribution of a course?
- (5) How do throughput distributions vary between years?

We provide the module `data` (`<data.py 32a>`) to extract the necessary data from LADOK (Section 5.1). This is a subcommand for the `ladok` command-line interface. It can be used like this:

```
1 ladok course DD1315 > DD1315.csv
```

This program will produce CSV-formated data to answer the questions above. The data is formatted like this:

- course,
- round,
- component,
- student (pseudonym),
- grade,
- either absolute date or normalized to the course start and finish.

## 5.1 The course subcommand

This is a subcommand run as part of the `ladok3.cli` module. We provide a function `add_command_options` that adds the subcommand options to a given parser. We need access to LADOK through the `ladok3` module. We will also write data to disk in CSV form, so we need the `csv` module.

```
32a <data.py 32a>≡
import csv
import datetime
import ladok3
import os
import sys

<functions 33b>

def add_command_options(parser):
    <add data parser to parser 32b>
    <add data command arguments to data parser 33a>

def command(ladok, args):
    <produce data about course specified in args 32c>
Root chunk (not used in this document).
```

### 5.1.1 Setting up the data command options

We add a subparser. We set it up to use the function `command`.

```
32b <add data parser to parser 32b>≡
data_parser = parser.add_parser("course",
    help="Returns course results data in CSV form",
    description="")
Returns the results in CSV form for all first-time registered students.
"".strip())
data_parser.set_defaults(func=command)
This code is used in chunk 32a.
```

## 5.2 Producing data

We fetch the data from LADOK and print it in CSV format to standard out (`sys.stdout`). This way the user can deal with how to store the data.

```
32c <produce data about course specified in args 32c>≡
data_writer = csv.writer(sys.stdout, delimiter=args.delimiter)
course_rounds = filter_rounds(
    ladok.search_course_rounds(code=args.course_code),
    args.rounds)

if args.header:
    data_writer.writerow([
        "Course", "Round", "Component", "Student", "Grade", "Time"
```

```

    ])
    for course_round in course_rounds:
        data = extract_data_for_round(ladok, course_round, args)

        for student, component, grade, time in data:
            data_writer.writerow(
                [course_round.code, course_round.round_code, component,
                 student, grade, time]
            )

```

This code is used in chunk 32a.

We must take a course code and a delimiter as arguments. We also want to know if we want a header or not.

```

33a <add data command arguments to data parser 33a>≡
    data_parser.add_argument("course_code",
        help="The course code of the course for which to export data")

    data_parser.add_argument("-d", "-delimiter",
        default="\t",
        help="The delimiter for the CSV output; "
        "default is a tab character to be compatible with POSIX commands, "
        "use '-d,' or '-d ,' to get comma-separated values.")

    data_parser.add_argument("-H", "-header", action="store_true",
        help="Print a header line with the column names.")

```

This definition is continued in chunks 33c, 34c, 36c, and 37a.

This code is used in chunk 32a.

We filter the rounds.

```

33b <functions 33b>≡
    def filter_rounds(all_rounds, desired_rounds):
        """Returns only the round objects with round code in desired_rounds."""
        if not desired_rounds:
            return all_rounds
        return filter(
            lambda x: x.round_code in desired_rounds,
            all_rounds
        )

```

This definition is continued in chunks 34–38.

This code is used in chunk 32a.

We need a list of desired rounds.

```

33c <add data command arguments to data parser 33a>+≡
    data_parser.add_argument("-r", "-rounds", nargs="+",
        help="The round codes for the rounds to include, "
        "otherwise all rounds will be included.")

```

This code is used in chunk 32a.

### 5.3 Extracting data for a round

Now we want to extract data for a given course round. This is done by the function `extract_data_for_round`. We need access to LADOK through the `ladok` object



of type `LadokSession`. We also need the course round through the `course_round` object of type `CourseRound`.

```

34a <functions 33b>+=
def extract_data_for_round(ladok, course_round, args):
    <compute start and length of the course 35a>
    <get the results for the course round 35b>

    students = filter_students(course_round.participants(), args.students)

    for student in students:
        student_results = filter_student_results(student, results)

        <determine if student should be included 37b>

        components = filter_components(course_round.components(), args.components)

        for component in components:
            if len(student_results) < 1:
                result_data = None
            else:
                result_data = filter_component_result(
                    component, student_results[0]["ResultatPaUtbildningar"])

            if not result_data:
                grade = "-"
                normalized_date = None
            else:
                <extract grade and normalized date from result data 36b>

        <yield student, component, grade and date 34b>

```

This code is used in chunk 32a.

We want to yield the data in CSV form, so we simply yield a tuple. The date is either the normalized date or the date from the result data.

```

34b <yield student, component, grade and date 34b>=
    if args.normalize_date:
        yield student, component, grade, normalized_date
    elif result_data:
        yield student, component, grade, result_data["Examinationsdatum"]

```

This code is used in chunk 34a.

```

34c <add data command arguments to data parser 33a>+=
    data_parser.add_argument("-n", "-normalize-date", action="store_true",
                             help="Normalize the date to the start of the course, "
                             "otherwise the date is printed as is.")

```

This code is used in chunk 32a.

### 5.3.1 Get round data

We need the start of the course and the length to be able to normalize the dates for the grades.

```
35a <compute start and length of the course 35a>≡
    course_start = course_round.start
    course_length = course_round.end - course_start
```

This code is used in chunk 34a.

We must get the results for the course round from LADOK. For this we must use an instance ID of a component. However, LADOK returns the results for all components, not just the one requested for.

```
35b <get the results for the course round 35b>≡
    component = course_round.components()[0]
    results = ladok.search_reported_results_JSON(
        course_round.round_id, component.instance_id)
```

This code is used in chunk 34a.

Now, we don't iterate over these results. We iterate over the students and the components of a course round. LADOK doesn't report 'none results'. But we want to have a result showing that a student hasn't done anything, that should affect the statistics. Then we must search for a student's result in the batch of results we received from LADOK.

```
35c <functions 33b>+≡
    def filter_student_results(student, results):
        return list(filter(
            lambda x: x["Student"]["Uid"] == student.ladok_id,
            results))
```

This code is used in chunk 32a.

Similarly, we want to find the result for a particular component.

```
35d <functions 33b>+≡
    def filter_component_result(component, results):
        for component_result in results:
            <get the component result data 35e>
            <check component code in result data 36a>
            return result_data

        return None
```

This code is used in chunk 32a.

Depending on whether the data is attested or not, we can get the actual grade and date from two different substructures: 'Arbetsunderlag' are results in LADOK that have been entered, but not attested; 'SenastAttesteradeResultat' are results that have been attested. They both have the same structure.

```
35e <get the component result data 35e>≡
    if "Arbetsunderlag" in component_result:
        result_data = component_result["Arbetsunderlag"]
    elif "SenastAttesteradeResultat" in component_result:
        result_data = component_result["SenastAttesteradeResultat"]
    else:
        continue
```

This code is used in chunk 35d.

The results only refer to the component's instance ID, so we must match the component on that ID. The `course_round` object allows us to do exactly that with the `components` method. We note that we can ignore the grade on the whole course, since that one is determined by the other components.

```
36a <check component code in result data 36a>≡
    if component.instance_id != result_data["UtbildningsinstansUID"]:
        continue
```

This code is used in chunk 35d.

Finally, if there is a grade, we can extract the grade and compute the normalized date. However, if there are no results, we set `None`.

We also only consider grades finished during the course. I.e., if the student has finished after the course ended, we set it as not finished. Otherwise, we cannot compare with earlier courses, since then students have had the chance to finish, so we want to see how many didn't finish on time. We use `args.time_limit` to specify this.

Sometimes, there is a result draft without any date, we ignore these completely.

```
36b <extract grade and normalized date from result data 36b>≡
    if "Betygsgradsobjekt" in result_data:
        grade = result_data["Betygsgradsobjekt"]["Kod"]
        try:
            date = datetime.date.fromisoformat(
                result_data["Examinationsdatum"])
        except KeyError:
            normalized_date = None
            grade = "-"
        else:
            normalized_date = (date - course_start) / course_length
            if args.time_limit and normalized_date > args.time_limit:
                grade = "-"
                normalized_date = None
    else:
        grade = "-"
        normalized_date = None
```

This code is used in chunk 34a.

We must add the command line argument for the limit for the normalized date.

```
36c <add data command arguments to data parser 33a>+≡
    data_parser.add_argument("-t", "-time-limit", type=float,
        help="The time (normalized) for cutting off results, "
        "use '-t 1.0' to cut off at course end.")
```

This code is used in chunk 32a.

### 5.3.2 Filtering data

We might not want all data, but specify on the command-line which data to keep. We want to filter on students and components.

```
36d <functions 33b>+≡
    def filter_students(all_students, desired_students):
        """Returns only the students with personnummer in desired_students."""
```

```

    if not desired_students:
        return all_students
    return filter(
        lambda x: x.personnummer in desired_students,
        all_students
    )

def filter_components(all_components, desired_components):
    """Returns only the components with a code in the desired_components."""
    if not desired_components:
        return all_components
    return filter(
        lambda x: x.code in desired_components,
        all_components
    )

```

This code is used in chunk 32a.

Now, we must also add the suitable command-line options.

```

37a <add data command arguments to data parser 33a>+=
    data_parser.add_argument("-s", "-students", nargs="+",
        help="List of personnummer for students to include, "
        "otherwise all students will be included.")

    data_parser.add_argument("-c", "-components", nargs="+",
        help="List of component codes for components to include, "
        "otherwise all components will be included.")

```

This code is used in chunk 32a.

## 5.4 Which students to exclude

However, we don't want to include all students. We check if a student should be included or not.

```

37b <determine if student should be included 37b>≡
    if not should_include(ladok, student, course_round, student_results):
        continue

```

This code is used in chunk 34a.

We want to filter out some values from the data. We only want to keep students who are registered on the course the first time and who doesn't have any credit transfer on the course.

```

37c <functions 33b>+=
    def should_include(ladok, student, course_round, result):
        """Returns True if student should be included, False if to be excluded"""
        if is_reregistered(ladok, student.ladok_id, course_round):
            return False

        if has_credit_transfer(result):
            return False

        return True

```

This code is used in chunk 32a.

A student should be counted on the first round they were registered on. We check if a student is reregistered by checking if the course round is the first round the student was registered on.

38a  $\langle$ functions 33b $\rangle + \equiv$

```
def is_reregistered(ladok, student_id, course):
    """Check if the student is reregistered on the course round course."""
    registrations = ladok.registrations_on_course_JSON(
        course.education_id, student_id)
    registrations.sort(
        key=lambda x: x["Utbildningsinformation"]["Studieperiod"]["Startdatum"])
    first_reg = registrations[0]
    return first_reg["Utbildningsinformation"]["Utbildningstillfalleskod"] != \
        course.round_code
```

This code is used in chunk 32a.

If the student has a credit transfer for any part of the course, we should exclude the student.

38b  $\langle$ functions 33b $\rangle + \equiv$

```
def has_credit_transfer(results):
    """Returns True if there exists a credit tranfer among the results."""
    for result in results:
        for component_result in result["ResultatPaUtbildningar"]:
            if component_result["HarTillgodoraknande"]:
                return True

    return False
```

This code is used in chunk 32a.

## Chapter 6

# The report command

We want to report results from the command line. We need the following data for each result:

- course identifier,
- course component,
- student identifier,
- grade, and
- date<sup>1</sup>;
- grader 1,
- grader 2,
- ...

<sup>1</sup>Optional, we set today's date if not present.

We provide two ways to do this: The first is to provide positional arguments on the command line. The second is to not provide any positional argument, and in this case we read CSV data from standard input.

### 6.1 The report subcommand

This is a subcommand is run as part of the `ladok3.cli` module. We provide a function `add_command_options` that adds the subcommand options to a given parser. We need access to LADOK through the `ladok3` module.

39

```
<report.py 39>≡  
import csv  
import datetime  
import ladok3  
import sys
```

```
<functions 40b>
```

```
def add_command_options(parser):  
    report_parser = parser.add_parser("report",
```

```

    help="Reports course results to LADOK",
    description="Reports course results to LADOK"
)
report_parser.set_defaults(func=command)
<add report command arguments to report parser 40a>

```

```

def command(ladok, args):
    <report results depending on args 44d>

```

Root chunk (not used in this document).

As mentioned above, we provide two ways of doing this.

```

40a <add report command arguments to report parser 40a>≡
    one_parser = report_parser.add_argument_group(
        "one result as positional args, only date is optional")
    <add one result group arguments 43a>
    many_parser = report_parser.add_argument_group(
        "many results read from standard input as CSV, columns: "
        "course, component, student, grade, date, grader 1, ..., grader N")
    <add many results group arguments 41b>

```

This definition is continued in chunk 40d.

This code is used in chunk 39.

## 6.2 Report the results

We provide two functions, one for each way of reporting the results.

```

40b <functions 40b>≡
    def report_one_result(ladok, args):
        <report results given in args 44c>

    def report_many_results(ladok, args):
        <report results given in stdin 41a>

```

This definition is continued in chunk 42a.

This code is used in chunk 39.

In both cases, we want to specify whether or not the results should be finalized. We add an option whether we want to finalize the grade for attestation by the examiner. We add this argument outside the two groups, since it's valid for both.

```

40c <finalize option help 40c>≡
    Finalize the grade (mark as ready/klarmarkera) for examiner to attest.
    Note that without this option, no graders will be registered in LADOK.

```

This code is used in chunk 40d.

```

40d <add report command arguments to report parser 40a>+≡
    report_parser.add_argument("-f", "-finalize",
        help="""<finalize option help 40c>""",
        action="store_true",
        default=False
    )

```

This code is used in chunk 39.

### 6.3 Report many results given in standard input

We want to read CSV data from standard input.

```
41a <report results given in stdin 41a>≡
    data_reader = csv.reader(sys.stdin, delimiter=args.delimiter)
    for course_code, component_code, student_id, grade, date, *graders in data_reader:
        <report a result read from stdin 41d>
```

This code is used in chunk 40b.

We need to add an argument for the delimiter.

```
41b <add many results group arguments 41b>≡
    many_parser.add_argument("-d", "-delimiter",
        default="\t",
        help="The delimiter for the CSV input; "
            "default is a tab character to be compatible with POSIX commands, "
            "use '-d,' or '-d ,' to get comma-separated values.")
```

This definition is continued in chunk 41c.

This code is used in chunk 40a.

We also want to handle errors and confirmations. When reporting in bulk, we don't want unnecessary errors. We also want to have a summary of the changes.

```
41c <add many results group arguments 41b>+≡
    many_parser.add_argument("-v", "-verbose",
        action="count", default=0,
        help="Increases the verbosity of the output: -v will print results that "
            "were reported to standard out. Otherwise only errors are printed.")
```

This code is used in chunk 40a.

Then we can actually report the result using the values read from stdin.

```
41d <report a result read from stdin 41d>≡
    try:
        set_grade(ladok, args,
            student_id, course_code, component_code, grade, date, graders)
    except Exception as err:
        <try to resolve student from ladok using student_id 41e>
        print(f"{course_code} {component_code}={grade} ({date}) {student}: "
            f"{err}",
            file=sys.stderr)
```

This code is used in chunk 41a.

The reason we want to resolve the student from LADOK is that the `student_id` might be a personnummer or a LADOK ID—if the latter, it's not particularly readable for a human and we can't use the LADOK ID in the LADOK web interface when we want to deal with the errors manually. But if we resolve the student, then we get a readable name.

```
41e <try to resolve student from ladok using student_id 41e>≡
    try:
        student = ladok.get_student(student_id)
    except Exception:
        student = student_id
```

This code is used in chunks 41d and 44c.



When we set the grade, there are a few cases that should be handled. If the grade isn't attested, we try to change it. (This might still fail if the grade is finalized but not attested.) If we've selected the verbose option, then we print what we have reported.

If the grade was attested, then we check if it's different. If it's different, we output this. If it's the same, we silently ignore it. This is best for bulk reporting, because then we can always try to report for all students.

We want to report errors as exceptions.

```
42a <functions 40b>+≡
def set_grade(ladok, args,
              student_id, course_code, component_code, grade, date, graders):
    student = ladok.get_student(student_id)
    <get course from student and course_code 42b>
    <get component from course and component_code 42c>

    if not component.attested and component.grade != grade:
        <ensure date is a valid date for course 42d>
        component.set_grade(grade, date)
        if args.finalize:
            component.finalize(graders)
        if args.verbose:
            print(f"{course_code} {student}: reported "
                  f"{component.component} = {component.grade} ({date}) "
                  f"by {' '.join(graders)}")
    elif component.grade != grade:
        raise Exception(f"attested {component.component} "
                        f"result {component.grade} ({component.date}) "
                        f"is different from {grade} ({date}).")
```

This code is used in chunk 39.

Now we simply want to set those objects up. We want to throw exceptions that explain what the problem is if these don't exist.

```
42b <get course from student and course_code 42b>≡
try:
    course = student.courses(code=course_code)[0]
except IndexError:
    raise Exception(f"{course_code}: No such course for {student}")
```

This code is used in chunk 42a.

```
42c <get component from course and component_code 42c>≡
try:
    component = course.results(component=component_code)[0]
except IndexError:
    raise Exception(f"{component_code}: no such component for {course_code}")
```

This code is used in chunk 42a.

Finally, we want to ensure the date is correct. The date must be at the earliest the start of the course. The student can't finish any results before the course has started. LADOK will not accept that.

```
42d <ensure date is a valid date for course 42d>≡
if not isinstance(date, datetime.date):
```

```

date = datetime.date.fromisoformat(date)

if date < course.start:
    print(f"{course_code} {component_code}={grade} "
          f"({date}) {student}: "
          f"Grade date ({date}) is before "
          f"course start date ({course.start}), "
          f"using course start date instead.")
    date = course.start

```

This code is used in chunk 42a.

## 6.4 Report a result given on command line

If we've chosen to give one result on the command line, then we'll need the following arguments.

We start with the course, component code, the student's ID and grade.

43a *<add one result group arguments 43a>*≡

```

one_parser.add_argument("course_code", nargs="?",
    help="The course code (e.g. DD1315) for which the grade is for."
)

one_parser.add_argument("component_code", nargs="?",
    help="The component code (e.g. LAB1) for which the grade is for. "
    "This can be set to the course code (e.g. DD1315) to set the "
    "final grade for the course. But all components must be "
    "certified (attested) before the course grade can be set."
)

one_parser.add_argument("student_id", nargs="?",
    help="Student identifier (personnummer or LADOK ID).")
)

one_parser.add_argument("grade", nargs="?",
    help="The grade (e.g. A or P).")
)

```

This definition is continued in chunk 44.

This code is used in chunk 40a.

We must make them optional like this to make it work with our second alternative (bulk reporting through stdin), so we must check ourselves that we got the arguments.

43b *<check that we got all positional arguments 43b>*≡

```

if not (args.course_code and args.component_code and
    args.student_id and args.grade):
    print(f"{sys.argv[0]} report: "
          "not all positional args given: "
          "course_code, component, student, grade",
          file=sys.stderr)
    sys.exit(1)

```

This code is used in chunk 44c.

Next, we have the date. To ensure it's a valid date we'll make argparse convert it to datetime format. If it's not provided, we let argparse set it to today's date.

```
44a <add one result group arguments 43a> +=
    one_parser.add_argument("date", nargs="?",
        help="Date on ISO format (e.g. 2021-03-18), "
        f"defaults to today's date ({datetime.date.today()}).",
        type=datetime.date.fromisoformat,
        default=datetime.date.today()
    )
```

This code is used in chunk 40a.

Finally, we have the list of graders.

```
44b <add one result group arguments 43a> +=
    one_parser.add_argument("graders", nargs="*",
        help="Space separated list of who did the grading, "
        "give each grader as 'First Last <email@institution.se>'.")
```

This code is used in chunk 40a.

Now that we have the arguments, we can just execute the following code using them.

```
44c <report results given in args 44c> =
    <check that we got all positional arguments 43b>
    try:
        set_grade(ladok, args,
            args.student_id, args.course_code, args.component_code,
            args.grade, args.date, args.graders)
    except Exception as err:
        student_id = args.student_id
        <try to resolve student from ladok using student_id 41e>
        print(f"{args.course_code} {args.component_code}={args.grade} ({args.date}) "
            f"{student}: {err}",
            file=sys.stderr)
```

This code is used in chunk 40b.

## 6.5 Determine which function to run

We know that if a course code is given as positional argument, then we know that we should report one result from the command line.

```
44d <report results depending on args 44d> =
    if args.course_code:
        report_one_result(ladok, args)
    else:
        report_many_results(ladok, args)
```

This code is used in chunk 39.

## Chapter 7

# The student command

We want to show data for a student. For this, we need a student identifier. We want to use it like this:

```
1 ladok student 700101-1234
```

We also want to optionally print courses.

```
1 ladok student 700101-1234 -c "DD131[0-9]"
```

### 7.1 The student subcommand

This subcommand is run as part of the `ladok3.cli` module. We provide a function `add_command_options` that adds the subcommand options to a given parser. We need access to LADOK through the `ladok3` module.

```
45 <student.py 45>=  
    import csv  
    import ladok3.cli  
  
    <functions 47a>  
  
    def add_command_options(parser):  
        student_parser = parser.add_parser("student",  
            help="Shows a student's information in LADOK",  
            description="""  
                Show a student's information in LADOK.  
                Shows information like name, personnummer, contact information.  
                """)  
        student_parser.set_defaults(func=command)  
        <add student command arguments to student parser 46a>  
  
    def command(ladok, args):  
        <print info depending on args 46d>
```

Root chunk (not used in this document).

## 7.2 The student command options

### 7.2.1 The student identifier

As mentioned above, we want to take one positional argument, the student identifier. Since our API (Section 12.1) can handle both personnummer and LADOK ID transparently, we don't have to care about that either.

```
46a <add student command arguments to student parser 46a>≡
    student_parser.add_argument("id",
        help="The student's ID, either personnummer or LADOK ID"
    )
```

This definition is continued in chunk 46.

This code is used in chunk 45.

### 7.2.2 An optional course identifier

We also want an option for the course code.

```
46b <add student command arguments to student parser 46a>+≡
    student_parser.add_argument("-c", "-course",
        nargs="?", const=".*",
        help="A regular expression for which course codes to list, " \
            "use no value for listing all courses."
    )
```

This code is used in chunk 45.

### 7.2.3 A results flag

We also want a flag for specifying whether or not to include the results of each course.

```
46c <add student command arguments to student parser 46a>+≡
    student_parser.add_argument("-r", "-results",
        action="store_true", default=False,
        help="Set to include results for each course listed."
    )
```

This code is used in chunk 45.

## 7.3 Print the student data

Now that we have the student identifier, we can simply use that to fetch the student from LADOK. Note that we access the `student.alive` attribute just to force pulling the personal data from LADOK to trigger any error in the try-statement.

```
46d <print info depending on args 46d>≡
    try:
        student = ladok.get_student(args.id)
        student.alive
    except Exception as err:
        ladok3.cli.err(-1, f"can't fetch student data for {args.id}: {err}")

    print_student_data(student)
```

```

if args.course:
    print()
    print_course_data(student, args)

```

This code is used in chunk 45.

### 7.3.1 Printing personal student data

To print the student's personal data, we simply print the most interesting attributes.

47a *<functions 47a>*≡

```

def print_student_data(student):
    """Prints the student data, all attributes, to stdout."""
    print(f"First name: {student.first_name}")
    print(f>Last name: {student.last_name}")
    print(f"Personnummer: {student.personnummer}")
    print(f"LADOK ID: {student.ladok_id}")
    print(f"Alive: {student.alive}")
    <print info about suspensions for student 47b>

```

This definition is continued in chunk 47d.

This code is used in chunk 45.

We want to print whether the student is currently suspended or not. We want to make this really clear.

47b *<print info about suspensions for student 47b>*≡

```

print(f"Suspended: ", end="")
if any(map(lambda x: x.is_current, student.suspensions)):
    print("YES")
else:
    print("no")

```

This definition is continued in chunk 47c.

This code is used in chunk 47a.

Then we also want to print all the times the student has been suspended. We only want to print this if the student has been suspended at least once.

47c *<print info about suspensions for student 47b>*+≡

```

if student.suspensions:
    print(f"Suspensions: ", end="")
    for suspension in student.suspensions:
        print(f"{suspension}", end="\n          ")
    print()

```

This code is used in chunk 47a.

### 7.3.2 Printing student's course data

To print the student's course data, we simply filter the courses on the option that the user supplies. We then print all courses and, if the flag is set, we also print the results for each course.

47d *<functions 47a>*+≡

```

def print_course_data(student, args):
    """Prints the courses"""

```

```
print("Courses:")
for course in student.courses(code=args.course):
    print(f"{course}")
    if args.results:
        for result in course.results():
            print(f"    {result}")
```

This code is used in chunk 45.

## **Part III**

# **The Python library**



## Chapter 8

### Overview

This is the documented source code of the LADOK<sub>3</sub> API wrapper for Python, the package `ladok3`. We use the standard structure for the script. We start with the imports and then our class definitions follow in [⟨classes 52⟩](#) and some helper functions in [⟨functions 58⟩](#).

```
50a <ladok3.py 50a>≡
    """A Python wrapper for the LADOK3 API"""
    # -*- coding: utf-8 -*-
    import cachetools
    import datetime
    import functools
    import html
    import json
    import operator
    import re
    import requests
    import urllib.parse
    import weblogin.ladok
```

[⟨classes 52⟩](#)  
[⟨functions 58⟩](#)

Root chunk (not used in this document).

We also provide tests for all functionality in [⟨test ladok3.py 50b⟩](#). These illustrate how to use the `ladok3` module and provide testing using `pytest`.

```
50b <test ladok3.py 50b>≡
    import json
    import ladok3
    import os
    import weblogin.kth
```

[⟨test functions 53a⟩](#)

Root chunk (not used in this document).

## Chapter 9

# Accessing LADOK

To access LADOK we provide a class `LadokSession`. An instance of this class provides the session attribute, which is an authenticated session to LADOK's REST API. It uses the `requests` module.

We can use the class as follows.

```
1 import ladok3
2 import weblogin.kth
3
4 ladok = ladok3.LadokSession(
5     "KTH Royal Institute of Technology",
6     autologin_handlers=[
7         weblogin.kth.SAMLlogin(),
8         weblogin.kth.UGlogin(os.environ["KTH_LOGIN"],
9                               os.environ["KTH_PASSWD"])
10    ],
11    test_environment=True) # for experiments
12
```

An alternative way would be to use the general authentication procedure that seems to work at most Swedish universities.

```
1 import ladok3
2
3 ladok = ladok3.LadokSession("KTH Royal Institute of Technology",
4                             vars={"username": os.environ["KTH_LOGIN"],
5                                   "password": os.environ["KTH_PASSWD"]},
6                             test_environment=True) # for experiments
```

Yet another way is to use the `ladok` command's own credential store.

```
1 import ladok3
2 import ladok3.cli
3
4 ladok = ladok3.LadokSession(*ladok3.cli.load_credentials(),
5                             test_environment=True) # for experiments
```

Just note that unpacking `*` to unpack the tuple that `load_credentials` returns.

This chapter covers how the `LadokSession` class work. The remaining chapters cover what the `ladok` object can be used for. Chapter 12 covers how we can work with student data. Chapter 13 covers how we can work with course data.

## 9.1 The `LadokSession` class

There are two categories of functionality that we want from the `LadokSession` object. The first is the `session` attribute. This is an active and logged-in session that can be used to query LADOK (REST API over HTTPS). The second is the set of methods to get objects of interest, these methods use the `session` attribute to query data to create the objects. We cover the first (the `session` attribute) in this section and the second (the data methods) in Section 9.2.

We want to provide the attribute `session` which is an active and logged-in session for querying LADOK. We must thus handle authentication to LADOK. The authentication for using LADOK is performed using a university SSO system. We will use the `weblogin` package<sup>1</sup> to handle this. This will guarantee that we're always signed in.

<sup>1</sup>URL: <https://github.com/dbosk/weblogin>

```
52 <classes 52>≡
class LadokSession:
    """This is an interface for reading and writing data from and to LADOK."""
    def __init__(self, institution, vars=None, autologin_handlers=None,
                 test_environment=False):
        """
        Creates a session with LADOK.
        - 'institution' is the name (str) of the university that will give a unique
          match when searching SeamlessAccess.org (see weblogin.ladok.SS0login).
        - 'vars' is a dictionary that is passed to weblogin.ladok.SS0login to
          supply the login credentials. Usually contains keys 'username' and
          'password', see weblogin.ladok.SS0login documentation for details.
        - 'autologin_handlers' is a list of weblogin.AutologinHandler objects
          specific to the institution. Usually one for the SAML handler and one for
          the actual login server. (For KTH it's weblogin.kth.SAMLlogin and
          weblogin.kth.UGlogin.) Default value is None, only the
          'weblogin.ladok.SS0login' handler will be used.
        - 'test_environment' specifies whether we should use LADOK's test
          environment instead of the production environment.
        """
        self.__session = None
        <construct the session object from the autologin handlers 53b>
        <LadokSession constructor body 56b>

    @property
    def session(self):
        """A guaranteed to be active and logged in requests session to LADOK"""
        return self.__session

    @session.setter
    def session(self, new_value):
        self.__session = new_value
```

Now let's test this class. We will use the KTH version to log in. KTH needs the LADOK SSO handler (specifying KTH), the KTH SAML server handler (to handle the SSO request) and the KTH UG server (the actual login server).

```

53a <test functions 53a>≡
    ladok = ladok3.LadokSession(
        os.environ["LADOK_INST"],
        vars={"username": os.environ["LADOK_USER"],
              "password": os.environ["LADOK_PASS"]},
        test_environment=True) # for experiments

def test_LadokSession_vars():
    assert ladok.user_info_JSON()

def test_LadokSession_autologin_handlers():
    ladok_handlers = ladok3.LadokSession(
        "KTH Royal Institute of Technology",
        autologin_handlers = [
            weblogin.kth.SAMLlogin(),
            weblogin.kth.UGlogin(os.environ["KTH_LOGIN"],
                                os.environ["KTH_PASSWD"])
        ],
        test_environment=True) # for experiments

    assert ladok_handlers.user_info_JSON()

```

This definition is continued in chunks 59–61.  
This code is used in chunk 50b.

### 9.1.1 Construct the session using weblogin

To construct the session, we simply construct a `weblogin.AutoLoginSession` object. This one requires a list of `weblogin.AutoLoginHandler` objects.

We simply pass the institution to the constructor of the `weblogin.ladok.SSOlogin` class. We add that to the list of autologin handlers supplied by the user. Due to the internal workings of `weblogin.AutologinSession`, we add it first as a, probably negligible, optimization.

[illegible]

```
self.__session = weblogin.AutologinSession(autologin_handlers)
```

This code is used in chunk 52.

## 9.2 The LadokSession data methods

The data methods are essentially factories for various objects mapping to data in LADOK. We will first look at the base classes and then provide methods that return instances of various subclasses.

### 9.2.1 LADOK data base class: LadokData

Some objects will only have read-only attributes, like grade scales, whereas others, like students, will have modifiable attributes, such as results, which must be synced.

We will provide properties for the various attributes. This way we can have read-only properties for attributes that cannot be changed, such as students' names, and read-write properties for attributes that can be changed, such as results.

We also want to serialize the data. We will use the JSON format for this. We provide this as a read only property `json`. If the output of `json` is given as the `kwargs` parameter to the `make_properties` method, it will restore all the attributes.

We provide the `LadokData` class with a constructor that takes keyword arguments (`**kwargs`). These are not used, but just so that we can add `super().__init__(**kwargs)` at the top of every constructor of the child classes.

Thus, we have the following base class.

```
54 <classes 52> +=
class LadokData:
    """Base class for LADOK data"""
    def __init__(self, /, **kwargs):
        pass

    def make_properties(self, kwargs):
        """Turn keywords into private attributes and read-only properties"""
        <set up read-only properties 55c>

    def __eq__(self, other):
        if type(self) == type(other):
            return self.__dict__ == other.__dict__
        return False

    def __repr__(self):
        return str(self.json)

    @property
    def json(self):
        """JSON compatible dictionary representation of the object"""
        json_format = self.__dict__.copy()
        for key, value in json_format.items():
            if isinstance(value, LadokData):
                json_format[key] = value.json
        json_format["type"] = type(self).__name__
```

```
return json_format
```

This code is used in chunk 50a.

### 9.2.2 To and from JSON format

We want to be able to restore an object from that JSON formatted dictionary. We provide a function `restore`, which restores an object from a JSON-like dictionary. The `restore` function uses the constructor and, in turn, the `__setup_properties` method.

```
55a <function 55a>≡
def restore(json_dict):
    if "type" not in json_dict:
        return LadokData(**json_dict)

    <check type and return such object (never defined)>

    raise TypeError(f"cannot restore type {json_dict.type}, not a known type")
```

Root chunk (not used in this document).

For completeness, we also provide `LadokDataEncoder`, a subclass of `JSONEncoder`.

```
55b <classes 52>+≡
class LadokDataEncoder(json.JSONEncoder):
    def default(self, object):
        if isinstance(object, LadokData):
            return object.json
        return super().default(object)
```

This code is used in chunk 50a.

For the `__setup_properties` method, we want it to set up private attributes and read-only properties for them. For each keyword in `kwargs`, we add the private attribute using `setattr(self, ...)` and the corresponding property to the class itself using `setattr(type(self), ...)`. (Note that we only add the property if it doesn't already exist.) We check the names, if the attributes already match the pattern for a private attribute name, we don't 'privatize' it again.

```
55c <set up read-only properties 55c>≡
for attribute in kwargs:
    # private attributes are named on the form _class__attribute
    priv_attr_prefix = f"_{type(self).__name__}__"
    if priv_attr_prefix in attribute:
        priv_attr_name = attribute
        property_name = attribute.replace(priv_attr_prefix, "")
    else:
        priv_attr_name = priv_attr_prefix + attribute
        property_name = attribute

    setattr(self, priv_attr_name, kwargs[attribute])
    if not hasattr(type(self), property_name):
        setattr(type(self), property_name,
            property(operator.attrgetter(priv_attr_name)))
```

This code is used in chunk 54.

### 9.2.3 LADOK remote data base class: `LadokRemoteData`

The objects that can be modified can also be updated. They can be updated locally, which must be pushed to LADOK; they can be changed remotely, which must be pulled from LADOK. These objects must also keep a LADOK session internally (`self.ladok`).

```
56a <classes 52> +=
class LadokRemoteData(LadokData):
    """Base class for remote LADOK data"""
    def __init__(self, /, **kwargs):
        super().__init__(**kwargs)
        if "_LadokRemoteData__ladok" in kwargs:
            self.make_properties(**kwargs)
        else:
            self.__ladok = kwargs.pop("ladok")

    @property
    def ladok(self):
        return self.__ladok

    def pull(self):
        """Pull updates for object from LADOK"""
        raise NotImplementedError("This object doesn't support pulling from LADOK")

    def push(self):
        """Push changes made to the object to LADOK"""
        raise NotImplementedError("This object doesn't support pushing to LADOK")
```

This code is used in chunk 50a.

The LADOK session object provides some methods for searching for data, e.g., students. These methods will return instances of `LadokData` or `LadokRemoteData`.

### 9.2.4 Cached methods

Since the objects that can be updated can update themselves (`LadokRemoteData`), we can cache the factories to speed up interaction with LADOK. Since Python uses references for objects, a cached object will always be up-to-date if the program has made changes to it. This way we don't have to interact with the LADOK servers for every request, but only when necessary.

We will have a shared cache for all methods.

```
56b <LadokSession constructor body 56b> +=
    self.cache = {}
```

This code is used in chunk 52.

Then we can make the method caching by the following code.

```
1 @cachetools.cachedmethod(
2     operator.attrgetter("cache"),
3     key=functools.partial(cachetools.keys.hashkey, "method"))
4 def method(self, *args):
5     pass
```

However, this construction cannot handle non-hashable objects (e.g., dictionaries and lists) as arguments. But the JSON representation of objects should be possible to make hashable.



## Chapter 10

# Helper functions

We have several helper functions that are useful throughout.

### 10.1 Filter on keys

Many data methods will filter objects based on attributes. We provide a function that takes a list of objects and a dictionary. Each key in the dictionary corresponds to an attribute for the objects. The value corresponding to the key, is checked for matching.

We will provide the following function, `filter_on_keys`, which does exactly that. This implementation runs through the (remaining) items once per keyword, meaning it's conjunctive — all key-values must match the attribute values of the objects.

We use the function `compare_values` to compare the values, we'll get back to that function below.

```
58 <functions 58>≡
def filter_on_keys(items, /, **kwargs):
    """
    Input:
    - items is a list of objects.
    - kwargs is a dictionary where keys match the attributes of the objects in
      items.

    Output:
    - Only objects where *all* key-value pairs match for the corresponding
      attributes.
    - If values are strings, the value from kwargs is interpreted as a regular
      expression.

    Example:
    student.first_name = "Student"
    student.last_name = "Studentdotter"

    filter_on_keys([student], first_name="Student")
    gives [student]
    filter_on_keys([student], first_name="Student", last_name="Studentsson")
```

```

    gives []
    """
    for key in kwargs:
        items = filter(
            lambda x: compare_values(operator.attrgetter(key)(x), kwargs[key]),
            items)
    return list(items)

```

This definition is continued in chunks 59–61 and 68b.

This code is used in chunk 50a.

We test this function with the following tests.

59a

```

<test functions 53a>+≡
def test_filter_on_keys():
    class Object:
        pass

    student1 = Object()
    student1.first_name = "Student"
    student1.last_name = "Studentsdotter"
    student2 = Object()
    student2.first_name = "Student"
    student2.last_name = "Studentsson"

    students = [student1, student2]
    assert ladok3.filter_on_keys(students, first_name="Student") == students
    assert ladok3.filter_on_keys(students,
        first_name="Student", last_name="Studentsdotter") == [student1]
    assert ladok3.filter_on_keys(students,
        last_name="Students(dotter|son)") == students

```

This code is used in chunk 50b.

To achieve disjunctive behaviour, we must run `filter_on_keys` once per keyword. However, that causes problems if an item matches on more than one key. The following function solves that problem by not checking an item against more keys once it has matched one key.

59b

```

<functions 58>+≡
def filter_on_any_key(items, /, **kwargs):
    """
    Input:
    - items is a list of objects.
    - kwargs is a dictionary where keys match the attributes of the objects in
      items.

    Output:
    - Only objects where *any* key-value pairs match for the corresponding
      attributes.
    - If values are strings, the value from kwargs is interpreted as a regular
      expression.

    Example:
    student.first_name = "Student"

```

```

student.last_name = "Studentsdotter"

filter_on_keys([student], first_name="Student")
    gives [student]
filter_on_keys([student], first_name="Student", last_name="Studentsson")
    gives [student]
"""
matching_items = []
for item in items:
    for key in kwargs:
        if compare_values(operator.attrgetter(key)(item), kwargs[key]):
            matching_items.append(item)
            break

return matching_items

```

This code is used in chunk 50a.

We test this function with the following tests.

```

60a <test functions 53a> +=
def test_filter_on_any_key():
    class Object:
        pass

    student1 = Object()
    student1.first_name = "Student"
    student1.last_name = "Studentsdotter"
    student2 = Object()
    student2.first_name = "Student"
    student2.last_name = "Studentsson"

    students = [student1, student2]
    assert ladok3.filter_on_any_key(students,
        first_name="Student", last_name="Studentsdotter") == students

```

This code is used in chunk 50b.

The function `compare_values` is how we compare the values. The reason we don't simply replace it with the `==` operator is that for strings, we actually want to use regular expressions for matching. The downside of this is that we might accidentally get substring matches when we expect exact matches. E.g., `F` will match both `F` and `Fx` unless we specify `^F$`.

```

60b <functions 58> +=
def compare_values(val1, val2):
    """
    Compares val1 and val2:
    - if val1 and val2 both are strings, then val2 is interpreted as a regular
      expression.
    - otherwise we use ==
    """
    if isinstance(val1, str) and isinstance(val2, str):
        return re.search(val2, val1)

```

```
return val1 == val2
```

This code is used in chunk 50a.

We test this function with the following tests.

```
61a <test functions 53a>+≡
def test_compare_values():
    assert ladok3.compare_values("Studentsdotter", "^Student")
    assert ladok3.compare_values("Studentsdotter", "dotter")
    assert not ladok3.compare_values("Studentsdotter", "son")
    assert ladok3.compare_values(1, 1)
    assert not ladok3.compare_values(1, 2)
```

This code is used in chunk 50b.

## 10.2 Extracting translations

In many cases, LADOK provides several translations. They do that in the form of this JSON structure:

```
1 {
2   "Benamning": [
3     {
4       "Sprakkod": "sv",
5       "Text": "Laborationer",
6       "Link": []
7     },
8     {
9       "Sprakkod": "en",
10      "Text": "Programming Assignments",
11      "Link": []
12    }
13  ]
14 }
```

We provide the function `get_translation` to get the Text based on a specified Sprakkod.

```
61b <functions 58>+≡
def get_translation(lang_code, list_of_translations):
    for translation in list_of_translations:
        if translation["Sprakkod"] == lang_code:
            return translation["Text"]
    raise KeyError(f"no translation for language {lang_code}")
```

This code is used in chunk 50a.

## Chapter 11

# Grading scales

LADOK has various grading scales. Whenever we deal with results, we must use them and their identifiers. We provide classes that wraps LADOK's grading scales: `GradeScale` and `Grade`. We also provide a method, `get_grade_scales`, which returns a list of `GradeScale` objects.

### 11.1 The `get_grade_scales` method

We start with the method that returns the grading-scales objects. This method interacts with LADOK, so we want to cache its responses. We also want to be able to filter the responses, we do this by keyword arguments.

```
62 <LadokSession data methods 62>≡
    @cachetools.cachedmethod(
        operator.attrgetter("cache"),
        key=functools.partial(cachetools.keys.hashkey, "grade_scale"))
    def get_grade_scales(self, /, **kwargs):
        """Return a list of (un)filtered grade scales"""
        if len(kwargs) == 0:
            return [GradeScale(**scale_data)
                    for scale_data in self.grade_scales_JSON()]

        return filter_on_keys(self.get_grade_scales(), **kwargs)
```

This definition is continued in chunks 67 and 74.

This code is used in chunk 52.

The `grade_scales_JSON` method is part of the LADOK API and is documented in Section 16.1.

### 11.2 The `GradeScale` and `Grade` classes

We need a class for grade scales. This object should be read only and we never need to update it, so we can base it on `LadokData`. `kwargs` will have the following format:

```
1 {
2   "Benamning": {
3     "sv": "Engradig skala f\u00f6r deltagande",
```

```

4     "en": "One-grade scale for participation only"
5 },
6 "Beskrivning": {},
7 "Betygsgrader": [
8     {
9         "Benamning": {
10             "sv": "Deltagit",
11             "en": "Participated"
12         },
13         "Dolt": false,
14         "GiltigSomSlutbetyg": true,
15         "ID": "102041",
16         "Kod": "D",
17         "Ordningsnummer": 1,
18         "link": []
19     }
20 ],
21 "Dolt": true,
22 "Giltighetsperiod": {
23     "link": []
24 },
25 "ID": "102040",
26 "Kod": "DT",
27 "LarosateID": -1,
28 "link": []
29 }

```

This makes the follow class design suitable.

```

63 <classes 52>+≡
class GradeScale(LadokData):
    """A grade scale"""
    def __init__(self, /, **kwargs):
        super().__init__(**kwargs)

    if "_GradeScale__id" in kwargs:
        self.make_properties(**kwargs)
    else:
        self.__id = int(kwargs.pop("ID"))
        self.__code = kwargs.pop("Kod")
        self.__name = kwargs.pop("Benamning")["sv"]
        self.__grades = [Grade(**grade_data)
                          for grade_data in kwargs.pop("Betygsgrader")]

    @property
    def id(self):
        return self.__id

    @property
    def code(self):
        return self.__code

```

```

@property
def name(self):
    return self.__name

def grades(self, /, **kwargs):
    """Returns grades filtered on keyword"""
    return filter_on_keys(self.__grades, **kwargs)

def __contains__(self, grade):
    <test if grade is in grading scale 65a>

def __iter__(self):
    <iterate over grades in grading scale 65b>

```

This code is used in chunk 50a.

Then we need a class for the grades themselves. We construct a grade from the LADOK JSON data. We also implement easy comparison so that we can search for the string 'A' instead of the Grade object for the A grade.

```

64 <classes 52> +=
class Grade(LadokData):
    """An individual grade part of a grade scale"""
    def __init__(self, /, **json_data):
        """Constructor taking a dictionary (JSON-like) structure"""
        if "_Grade__id" in json_data:
            self.make_properties(**json_data)
        else:
            self.__id = int(json_data.pop("ID"))
            self.__code = json_data.pop("Kod")
            self.__accepted = json_data.pop("GiltigSomSlutbetyg")

    @property
    def id(self):
        return self.__id

    @property
    def code(self):
        return self.__code

    def __str__(self):
        return self.code

    @property
    def accepted(self):
        return self.__accepted

    def __eq__(self, other):
        if isinstance(other, Grade):
            return self.__dict__ == other.__dict__
        elif isinstance(other, str):

```

```
        return self.code == other
    else:
        raise NotImplementedError(f"can't test equality with {type(other)}")
```

This code is used in chunk 50a.

**Checking if a grade is in a grading scale** We can now easily implement the check if a grade is in a grading scale.

65a *<test if grade is in grading scale 65a>*≡  
 return grade in self.\_\_grades

This code is used in chunk 63.

This works even if grade is a string, thanks to how `__eq__` is implemented in the Grade class.

Similarly, we can iterate over the grades in the grading scale.

65b *<iterate over grades in grading scale 65b>*≡  
 return iter(self.\_\_grades)

This code is used in chunk 63.



## Chapter 12

# Students

This chapter treats how we can work with student data. We can get student data from LADOK using the `LadokSession` class. We first create the `ladok` object, an instance of a LADOK session.

```
1 import ladok3
2 import os
3
4 ladok = ladok3.LadokSession("KTH",
5                             vars={
6                                 "username": os.environ["KTH_LOGIN"],
```

This is the same as in Chapter 9.

Next we want to access data of a student. We can refer to the student by personnummer or the unique LADOK ID.

```
8         },
9         test_environment=True) # for experiments
10
11 me = ladok.get_student("8506097891")
12 me2 = ladok.get_student("de709f81-a867-11e7-8dbf-78e86dc2470c")
13
```

This gives us objects of the `Student` class. The objects `me` and `me2` both refer to the same person, so the outputs should be the same.

We can see which course instances the student is registered on (throughout history).

```
16 print(f"{me.ladok_id} == {me2.ladok_id}")
17 print()
```

We can select a particular course and we can get the results for that course in the same way.

```
19 for course in me.courses():
20     print(f"{course.code} {course.name}")
21
22 course = me.courses(code="DD2395")[0]
23
```

```

24 print(f"{course.code} results:")
25 for result in course.results():
26     s = f"{course.code}"
27     if result.component:
28         s += f" {result.component}"
29     s += f" {result.grade}"

```

We can check if the result is attested or not. If it's not attested, we can change it.

```

32     print(s)
33 print()
34
35 student = ladok.get_student("1234561234")
36 datintro = student.courses(code="DD1301")[0]
37
38 print(f"{student.personnummer} {student.first_name} {student.last_name}")
39
40 for result in datintro.results():
41     print(f"{result.component} {result.grade} ({result.date})", end="")
42     if not result.attested:
43         print("*")
44     else:
45         print()
46
47 print("Changing grades")
48
49 try:
50     lab1 = datintro.results(component="LAB1")[0]
51     lab1.set_grade("P", "2022-11-18")

```

## 12.1 Getting students from LADOK

Perhaps the main data that we want to access is that of a student. We provide two ways to identify the student. The personal identity number (Swedish *personnummer*) and the unique LADOK identifier. These are so different in format that we can distinguish one from the other. However, we can delegate this job to the Student class.

```

67 <LadokSession data methods 62> +=
    @cachetools.cachedmethod(
        operator.attrgetter("cache"),
        key=functools.partial(cachetools.keys.hashkey, "get_student"))
    def get_student(self, id):
        """Get a student by unique ID, returns a Student object"""
        # note that self is the required LadokSession object
        return Student(ladok=self, id=id)

```

This code is used in chunk 52.

## 12.2 The Student class

We can create a Student object from an identifier and a LadokSession object. Then the Student object can fetch data from LADOK and update any changes.

We can determine if an identifier is a personnummer or LADOK ID. Based on either of those unique identifiers we can fetch the rest of the data using the LADOK session `self.ladok`.

68a *<classes 52>+≡*

```
class Student(LadokRemoteData):
    """Class representing a student and related data"""
    def __init__(self, /, **kwargs):
        """Requires ladok (a LadokSession object),
        id (either a personnummer or LADOK ID)"""
        super().__init__(**kwargs)
        id = kwargs.pop("id")
        self.__personnummer = format_personnummer(id)
        if not self.__personnummer:
            self.__ladok_id = id
        else:
            self.__ladok_id = None

    def pull(self):
        """pull student data from LADOK"""
        <pull all attributes from LADOK 70a>

<student attribute methods 69>
```

This code is used in chunk 50a.

We use the function `format_personnummer` to format a personnummer according to LADOK's requirements. This function returns `None` if it's not a personnummer, in which case we assume that it is a LADOK ID in the code above.

68b *<functions 58>+≡*

```
def format_personnummer(person_nr_raw):
    """Returns None or a LADOK-formated person nr"""
    pnrregex = re.compile(r"^(\d\d)?(\d\d)(\d\d\d\d\d)[+|-]?(\w\w\w\w)$")
    pnr = pnrregex.match(person_nr_raw)
    if pnr:
        now = datetime.datetime.now()
        if pnr.group(1) == None: # first digits 19 or 20 missing
            if now.year - 2000 >= int(pnr.group(2)) + 5: # must be > 5 years old
                return "20" + pnr.group(2) + pnr.group(3) + pnr.group(4)
            else:
                return "19" + pnr.group(2) + pnr.group(3) + pnr.group(4)
        else:
            return pnr.group(1) + pnr.group(2) + pnr.group(3) + pnr.group(4)
    else:
        return None
```

This code is used in chunk 50a.

Note that we must match the start and end in the regex, otherwise we sometimes match parts of LADOK IDs as personnummer.

### 12.3 Students' personal attributes

The student's personal attributes are the following. We use the helper method `__get_personal_attributes` which pulls all personal attributes, since LADOK returns all of these in one call.

```

69 <student attribute methods 69>≡
    def __get_personal_attributes(self):
        """Helper method that fetches personal attributes"""
        <pull student attributes from LADOK 70b>

    @property
    def ladok_id(self):
        """Return the student's LADOK ID"""
        try:
            if self.__ladok_id:
                return self.__ladok_id
        except:
            pass
        self.__get_personal_attributes()
        return self.__ladok_id

    @property
    def personnummer(self):
        """Return the student's personnummer"""
        try:
            if self.__personnummer:
                return self.__personnummer
        except:
            pass
        self.__get_personal_attributes()
        return self.__personnummer

    @property
    def first_name(self):
        """Return the student's first name"""
        try:
            return self.__first_name
        except:
            self.__get_personal_attributes()
            return self.__first_name

    @property
    def last_name(self):
        """Return the student's last name"""
        try:
            return self.__last_name
        except:
            self.__get_personal_attributes()
            return self.__last_name

```

```

def __str__(self):
    return f"{self.personnummer} {self.first_name} {self.last_name}"

@property
def alive(self):
    """Return whether student is alive or not"""
    try:
        return self.__alive
    except:
        self.__get_personal_attributes()
    return self.__alive

```

This definition is continued in chunks 70c and 72b.

This code is used in chunk 68a.

Then we can call that method to update all attributes.

70a *<pull all attributes from LADOK 70a>*≡  
`self.__get_personal_attributes()`

This definition is continued in chunk 71a.

This code is used in chunk 68a.

When we pull the student attributes from LADOK, we can use either of the two IDs: `self.personnummer` and `self.ladok_id`. (However, we avoid using the properties above in this code, since we don't want to recursively trigger the fetch ad absurdum.) Depending on which attribute is set, we pull the data differently.

70b *<pull student attributes from LADOK 70b>*≡  
`if self.__ladok_id:`  
 `record = self.ladok.get_student_data_by_uid_JSON(self.__ladok_id)`  
`elif self.__personnummer:`  
 `record = self.ladok.get_student_data_JSON(self.__personnummer)`  
`else:`  
 `raise AttributeError("neither personnummer, nor LADOK ID set")`  
  
`self.__ladok_id = record['Uid']`  
`self.__personnummer = record['Personnummer'] # twelve digits only`  
`self.__first_name = record['Fornamn']`  
`self.__last_name = record['Efternamn']`  
`self.__alive = not record['Avliden']`

This code is used in chunk 69.

## 12.4 Students' study-related attributes

The study related attributes are courses and course results. Similarly to above, we use the `__get_study_attributes` helper method to populate all study-related attributes that LADOK returns in one request.

70c *<student attribute methods 69>*+≡  
`def __get_study_attributes(self):`  
 `"""Helper method to fetch study related attributes"""`  
 `<create a list of the student's course objects 71b>`  
  
`def courses(self, /, **kwargs):`

```

"""
Returns a list of courses that the student is registered on.
Filtered based on keywords, see ladok3.filter_on_keys for details.
"""
try:
    courses = self.__courses
except:
    self.__get_study_attributes()
    courses = self.__courses

return filter_on_keys(courses, **kwargs)

```

This code is used in chunk 68a.

Then we can call the last method when we want to pull all attributes too (using the pull method).

71a *<pull all attributes from LADOK 70a>+≡*  
`self.__get_study_attributes()`

This code is used in chunk 68a.

To create a list of the student's course registrations, we use the `registrations_JSON` API method.

71b *<create a list of the student's course objects 71b>≡*  
`self.__courses = []`

```

for course in self.ladok.registrations_JSON(self.ladok_id):
    if not course['Nuvarande'] or \
        'Utbildningskod' not in course['Utbildningsinformation']:
        continue

self.__courses.append(CourseRegistration(
    ladok=self.ladok,
    student=self,
    **course["Utbildningsinformation"]))

```

This code is used in chunk 70c.

## 12.5 Is the student suspended?

We also want to know if a student is suspended or not. We can get a list of suspensions for a student. This list looks like this:

```

1  [
2    {"Anteckning": "VJ-2024-...",
3     "Giltighetsperiod": {"Slutdatum": "2024-12-03",
4                          "Startdatum": "2024-09-25", "link": []},
5     "LarosateID": 29,
6     "OrsakID": 101450,
7     "SenastAndradAv": "someone@kth.se",
8     "SenastSparad": "2024-09-24T16:45:56.941",
9     "StudentUID": "...",
10    "Uid": "...",

```

```

11     "link": [{"method": "GET",
12               "uri": "https://api.ladok.se:443/studentinformation/internal/avstangning/...",
13               "mediaType": "application/vnd.ladok+xml",
14               "rel": "self"}]
15 }
16 ]

```

Let's make a class for this.

```

72a <classes 52> +=
class Suspension(LadokData):
    """A suspension"""
    def __init__(self, /, **kwargs):
        super().__init__(**kwargs)
        self.__note = kwargs.pop("Anteckning")
        self.__validity = (
            datetime.date.fromisoformat(kwargs["Giltighetsperiod"]["Startdatum"]),
            datetime.date.fromisoformat(kwargs["Giltighetsperiod"]["Slutdatum"])
        )

    @property
    def note(self):
        """
        The note of the suspension. This is usually a case number.
        """
        return self.__note

    @property
    def validity(self):
        """
        A tuple (start, end) of the validity period of the suspension.
        """
        return self.__validity

    @property
    def is_current(self):
        """
        Is True if the suspension is currently valid.
        """
        return self.validity[0] <= datetime.date.today() <= self.validity[1]

    def __str__(self):
        return f"{self.validity[0]}-{self.validity[1]}"

```

This code is used in chunk 50a.

We never cache this result since we always want the most up-to-date version.

```

72b <student attribute methods 69> +=
@property
def suspensions(self):
    """
    The list of the students' suspensions.

```

```
"""
suspensions = self.ladok.get_student_suspensions_JSON(
    self.ladok_id)["Avstangning"]
return [Suspension(**suspension) for suspension in suspensions]
```

This code is used in chunk [68a](#).



## Chapter 13

# Courses

We can use the course-related classes as follows.

```
1  #!/usr/bin/python3
2  # -*- coding: utf-8 -*-
3  # -*- mode: python; python-indent-offset: 4 -*-
4  import ladok3
5  import os
6
7  ladok = ladok3.LadokSession("KTH",
8                             vars={"username": os.environ["KTH_LOGIN"],
9                                   "password": os.environ["KTH_PASSWD"]},
10                             test_environment=True) # for experiments
11
12  prgiX = ladok.search_course_rounds(code="DD1315")
13
14  for prgi in prgiX:
15      print(f"{prgi.code} {prgi.start}--{prgi.end}")
16  print()
17
18  prgi = prgiX[0]
19  print(f"{prgi.code} {prgi.start}--{prgi.end}")
20  print(f"round: {prgi.round_id}")
21  print(f"round code: {prgi.round_code}")
22  print(f"instance: {prgi.instance_id}")
23  print(f"education: {prgi.education_id}")
24  print(f"{prgi.code} components:")
25  for component in prgi.components():
26      print(f"{component.code}: {component.instance_id}")
```

### 13.1 Course rounds

We can search for courses like this. The result consists of a list of CourseRound objects.

```
74  <LadokSession data methods 62> +=
    @cachetools.cachedmethod(
```

```

    operator.attrgetter("cache"),
    key=functools.partial(cachetools.keys.hashkey, "search_courses"))
def search_course_rounds(self, /, **kwargs):
    """Query LADOK about course rounds, possible keys:
    code, round_code, name
    """
    results = self.search_course_rounds_JSON(**kwargs)
    return [CourseRound(ladok=self, **result) for result in results]

```

This code is used in chunk 52.

The response consists of this JSON data:

```

1  {
2  "FinansieringsformID": 101050,
3  "Slutdatum": "2025-01-13",
4  "Startdatum": "2024-08-26",
5  "StudielokaliseringID": 135195,
6  "StudietaktID": 6,
7  "TillfallesKod": "51345",
8  "Uid": "500c3e9f-8f71-11ee-b4f1-bdc8f0e04f23",
9  "UndervisningsformID": 1,
10 "Utbildningsinstans": {
11   "Avvecklad": false,
12   "Benamning": [
13     {
14       "Sprakkod": "sv",
15       "Text": "Programmeringsteknik"
16     },
17     {
18       "Sprakkod": "en",
19       "Text": "Programming Techniques"
20     }
21   ],
22   "Enhet": "HP",
23   "GallerUtbildningUtanAngivenOmfattning": false,
24   "Omfattning": 7.5,
25   "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
26   "ResultatPaKursVidAttesteringAvModul": false,
27   "Uid": "70d5fdb1-2db7-11ec-bb06-8c8c04c8482a",
28   "UtbildningUID": "70d5fdb9-2db7-11ec-bb06-8c8c04c8482a",
29   "Utbildningskod": "DD1317",
30   "Versionsnummer": 1
31 }
32 }

```

We have two classes that are relevant here, `CourseInstance` and `CourseRound`. The `CourseInstance` corresponds to the data in `Utbildningsinstans` above. And the `CourseRound` is the data 'wrapping around' that of the `CourseInstance`. Thus, we will make `CourseRound` a specialization of `CourseInstance`. This makes sense as it contains additional data, such as start and end date. This class takes care of those and then defers the rest to the `CourseInstance` class (by calling its constructor).

```

76a <classes 52>+≡
class CourseInstance(LadokRemoteData):
    """Represents a course instance. Must be constructed from at least
    ladok (a LadokSession object),
    UtbildningsinstansUID (an instance_id from LADOK),
    optionally a data dictionary from LADOK"""
    <CourseInstance methods 77a>

class CourseRound(CourseInstance):
    """Represents a course round"""
    def __init__(self, /, **kwargs):
        """
        Must be constructed from at least:
        Uid, TillfallesKod, Startdatum, Slutdatum
        """
        self.__round_id = kwargs.pop("Uid")
        self.__round_code = kwargs.pop("TillfallesKod")

        self.__start = datetime.date.fromisoformat(kwargs.pop("Startdatum"))
        self.__end = datetime.date.fromisoformat(kwargs.pop("Slutdatum"))

        <prepare kwargs and call CourseInstance constructor 76b>

    @property
    def round_id(self):
        return self.__round_id

    @property
    def round_code(self):
        return self.__round_code

    @property
    def start(self):
        return self.__start

    @property
    def end(self):
        return self.__end

    <CourseRound data methods 83>

```

This code is used in chunk 50a.

The CourseInstance constructor expects only the Utbildningsinstans part of the data. However, the Uid should be renamed UtbildningsinstansUID. We must also pass on the ladok object.

```

76b <prepare kwargs and call CourseInstance constructor 76b>≡
instance_data = kwargs.pop("Utbildningsinstans")
instance_data["UtbildningsinstansUID"] = instance_data.pop("Uid")
super().__init__(ladok=kwargs.pop("ladok"), **instance_data)

```

This code is used in chunk 76a.

## 13.2 Course instances

We have the course instance as the base class. This is essentially an ‘instance of a course syllabus’. We know from above that it inherits from `LadokRemoteData` and that it must be initialized with the keywords `ladok` (for its parent) and `UtbildningsinstansUID` (for itself) and optionally some data.

77a *⟨CourseInstance methods 77a⟩*≡

```
def __init__(self, /, **kwargs):
    self.__instance_id = kwargs.pop("UtbildningsinstansUID")
    super().__init__(**kwargs) # sets self.ladok
```

*⟨CourseInstance constructor body 79a⟩*

This definition is continued in chunks 79b and 80d.

This code is used in chunk 76a.

We can fetch the data from LADOK as follows. Note that we need to use the `round_id` from the `CourseRound` object. This works since we never have a `CourseInstance` object on its own, it’s always parent of a `CourseRound` object. (And that makes this kind of ugly from an OOP perspective.)

77b *⟨fetch CourseInstance data from LADOK 77b⟩*≡

```
data = self.ladok.course_round_components_JSON(self.round_id)
```

This code is used in chunk 79b.

Then data will be populated with the following values:

```
1 {
2   "AntalRegistrerade": 0,
3   "Benamning": {
4     "sv": "Programmeringsteknik och Matlab",
5     "en": "Programming Techniques and Matlab"
6   },
7   "BetygsskalaID": 131657,
8   "Enhet": "HP",
9   "GallerUtbildningUtanAngivenOmfattning": false,
10  "IngaendeMoment": [
11    {
12      "Benamning": {
13        "sv": "Laborationer",
14        "en": "Programming Assignments"
15      },
16      "BetygsskalaID": 131656,
17      "Enhet": "HP",
18      "GallerUtbildningUtanAngivenOmfattning": false,
19      "KravPaProjekttitel": false,
20      "Omfattning": 1.5,
21      "ResultatrapporteringMojlig": true,
22      "UtbildningUID": "38a66848-73d8-11e8-afa7-8e408e694e54",
23      "UtbildningsinstansUID": "38a6416f-73d8-11e8-b4e0-063f9afb40e3",
24      "Utbildningskod": "LAB1"
25    },
26    {
```

```

27     "Benamning": {
28         "sv": "Laborationer",
29         "en": "Programming Assignments"
30     },
31     "BetygsskalaID": 131656,
32     "Enhet": "HP",
33     "GallerUtbildningUtanAngivenOmfattning": false,
34     "KravPaProjekttitel": false,
35     "Omfattning": 1.5,
36     "ResultatrapporteringMojlig": true,
37     "UtbildningUID": "38ald44d-73d8-11e8-afa7-8e408e694e54",
38     "UtbildningsinstansUID": "38a1867d-73d8-11e8-b4e0-063f9afb40e3",
39     "Utbildningskod": "LAB2"
40 },
41 {
42     "Benamning": {
43         "sv": "Laborationer",
44         "en": "Programming Assignments"
45     },
46     "BetygsskalaID": 131657,
47     "Enhet": "HP",
48     "GallerUtbildningUtanAngivenOmfattning": false,
49     "KravPaProjekttitel": false,
50     "Omfattning": 3.0,
51     "ResultatrapporteringMojlig": true,
52     "UtbildningUID": "389b1e62-73d8-11e8-afa7-8e408e694e54",
53     "UtbildningsinstansUID": "389b1dda-73d8-11e8-b4e0-063f9afb40e3",
54     "Utbildningskod": "LAB3"
55 },
56 {
57     "Benamning": {
58         "sv": "Laborationer",
59         "en": "Programming Assignments"
60     },
61     "BetygsskalaID": 131656,
62     "Enhet": "HP",
63     "GallerUtbildningUtanAngivenOmfattning": false,
64     "KravPaProjekttitel": false,
65     "Omfattning": 1.5,
66     "ResultatrapporteringMojlig": true,
67     "UtbildningUID": "387c99a9-73d8-11e8-afa7-8e408e694e54",
68     "UtbildningsinstansUID": "387c7248-73d8-11e8-b4e0-063f9afb40e3",
69     "Utbildningskod": "MAT1"
70 }
71 ],
72 "KravPaProjekttitel": false,
73 "Kurstillfalleskod": "51872",
74 "Omfattning": 7.5,
75 "ResultatrapporteringMojlig": true,
76 "Slutdatum": "2022-01-17 ",

```

```

77 "Startdatum": "2021-08-30 ",
78 "Studietaktsbenamning": {
79     "sv": "Kvartsfart",
80     "en": "One-quarter-time"
81 },
82 "Takt": 25,
83 "Undervisningsformbenamning": {
84     "sv": "Normal",
85     "en": "Normal teaching"
86 },
87 "UtbildningUID": "38ab2393-73d8-11e8-afa7-8e408e694e54",
88 "UtbildningsinstansUID": "9f30cc02-d6b5-11e8-8fd5-cf9d2c5c41ba",
89 "Utbildningskod": "DD1315",
90 "Versionsnummer": 2
91 }

```

Now that we have all data in `data`, we can assign its values to the private attributes. We note, however, that some course instances lack both `Versionsnummer` and `Omfattning`. It seems like faux courses are created to document when students go on Exchanges. These faux courses have a name and code, but no credits or version of syllabus. Consequently they don't have any grading scales either.

Our approach will be to try to assign the attributes using `kwargs`, and if that fails, we will fetch the data (pull from LADOK). If that pull fails with missing data, then we will assume that it's one of these faux courses.

```

79a <CourseInstance constructor body 79a>≡
    try:
        self.__assign_attr(kwargs)
    except:
        self.__pull_attributes()

```

This code is used in chunk 77a.

```

79b <CourseInstance methods 77a>+≡
    def __assign_attr(self, data):
        <assign CourseInstance data to private attributes 80b>

    def __pull_attributes(self):
        <fetch CourseInstance data from LADOK 77b>
        try:
            self.__assign_attr(data)
        except:
            self.__assign_faux(data)

    def pull(self):
        self.__pull_attributes()

    def __assign_faux(self, data):
        <assign faux CourseInstance data to private attributes 80c>

```

This code is used in chunk 76a.

By trial-and-error, it seems like the faux courses has none of the attributes that the real courses have. However, we try our best.

**80a** *⟨assign common CourseInstance data to private attributes 80a⟩≡*  
`self.__components = []`  
*⟨add course components to self.\_\_components 81a⟩*

This code is used in chunk **80**.

**80b** *⟨assign CourseInstance data to private attributes 80b⟩≡*  
*⟨assign common CourseInstance data to private attributes 80a⟩*

```
self.__name = data.pop("Benamning")
self.__code = data.pop("Utbildningskod")

self.__credits = data.pop("Omfattning")
self.__unit = data.pop("Enhet")

self.__version = data.pop("Versionsnummer")

self.__education_id = data.pop("UtbildningUID")

self.__grade_scale = self.ladok.get_grade_scales(
    id=data.pop("BetygsskalaID"))
```

This code is used in chunk **79b**.

**80c** *⟨assign faux CourseInstance data to private attributes 80c⟩≡*  
*⟨assign common CourseInstance data to private attributes 80a⟩*

```
self.__name = data.pop("Benamning", None)
self.__code = data.pop("Utbildningskod", None)

self.__credits = data.pop("Omfattning", None)
self.__unit = data.pop("Enhet", None)

self.__version = data.pop("Versionsnummer", None)

self.__education_id = data.pop("UtbildningUID", None)

try:
    self.__grade_scale = self.ladok.get_grade_scales(
        id=data.pop("BetygsskalaID"))
except KeyError:
    self.__grade_scale = None
```

This code is used in chunk **79b**.

Finally, we want to have properties to access the private attributes.

**80d** *⟨CourseInstance methods 77a⟩+≡*  
`@property`  
`def instance_id(self):`  
 `return self.__instance_id`  
  
`@property`

```

def education_id(self):
    return self.__education_id

@property
def code(self):
    return self.__code

@property
def name(self):
    return self.__name["en"]

@property
def version(self):
    return self.__version

@property
def grade_scale(self):
    return self.__grade_scale

@property
def credits(self):
    return self.__credits

@property
def unit(self):
    return self.__unit

def components(self, /, **kwargs):
    """Returns the list of components, filtered on keywords"""
    return filter_on_keys(self.__components, **kwargs)

```

This code is used in chunk 76a.

### 13.2.1 Course components

We need to add the courses components to the course instance. That is things like LAB1 or EXA1 that make up the course in LADOK.

```

81a <add course components to self.__components 81a>≡
    if "IngaendeMoment" in data:
        self.__components += [CourseComponent(
            ladok=self.ladok, course=self,
            **component) for component in data["IngaendeMoment"]]

```

This definition is continued in chunk 81b.

This code is used in chunk 80a.

We also add the course itself as a component. This is to handle the grade on the course itself. Once all the components have a grade, the course itself will get a grade. This component represents that grade. It will get the course code as its code.

```

81b <add course components to self.__components 81a>+≡
    try:

```



```

course_component_data = data.copy()
course_component_data["ladok"] = self.ladok
self.__components.append(CourseComponent(course=self,
                                         **course_component_data))

```

```

except KeyError:
    pass

```

This code is used in chunk 80a.

### 13.3 Course components

The CourseComponent class will make the attributes available. We specify the most interesting ones and let the LadokData constructor turn the rest into properties as well, so that they are available for the curious.

Turns out that some course components don't have any credits. This is probably a consequence of being a component in a course with no credits, e.g., one of those faux courses to register exchange studies.

82 *<classes 52>+≡*

```

class CourseComponent(LadokData):
    """Represents a course component of a course registration"""
    def __init__(self, /, **kwargs):
        super().__init__(**kwargs)

        self.__course = kwargs.pop("course")

        if "UtbildningsinstansUID" in kwargs:
            self.__instance_id = kwargs.pop("UtbildningsinstansUID")
        else:
            self.__instance_id = kwargs.pop("Uid")

        self.__education_id = kwargs.pop("UtbildningUID")

        self.__code = kwargs.pop("Utbildningskod")
        description = kwargs.pop("Benamning")
        if isinstance(description, dict):
            self.__description = description["sv"]
        else:
            self.__description = description

        self.__credits = kwargs.pop("Omfattning", None)
        self.__unit = kwargs.pop("Enhet", None)

        ladok = kwargs.pop("ladok")
        grade_scale_id = kwargs.pop("BetygsskalaID")
        self.__grade_scale = ladok.get_grade_scales(id=grade_scale_id)[0]

    @property
    def course(self):
        return self.__course

```

```

@property
def instance_id(self):
    return self.__instance_id

@property
def education_id(self):
    return self.__education_id

@property
def code(self):
    """Returns the name of the component (as in syllabus)"""
    return self.__code

@property
def description(self):
    """Returns description of component (as in syllabus)"""
    return self.__description

@property
def unit(self):
    """Returns the unit for the credits"""
    return self.__unit

@property
def credits(self):
    """Returns the number of credits"""
    return self.__credits

@property
def grade_scale(self):
    return self.__grade_scale

def __str__(self):
    return self.code

def __eq__(self, other):
    if isinstance(other, str):
        return self.code == other
    return self.__dict__ == other.__dict__

```

This code is used in chunk 50a.

We have the latter method, `__eq__`, so that we can filter on keys and compare with strings.

### 13.4 Results for a course round

We can access the results of all the students during a course round. We do this through the method `results`, which takes keyword arguments to possibly filter the results.

83 `<CourseRound data methods 83>≡`

```
def results(self, /, **kwargs):
    """Returns all students' results on the course"""
    try:
        self.__results
    except:
        self.__fetch_results()

    return filter_on_keys(self.__results, **kwargs)
```

This definition is continued in chunk 84.

This code is used in chunk 76a.

To fetch the results from LADOK, we must do the following query.

84a *⟨CourseRound data methods 83⟩+≡*

```
def __fetch_results(self):
    raise NotImplementedError(
        f"{type(self).__name__}.__fetch_results not implemented")
```

This code is used in chunk 76a.

### 13.5 Participants for a course round

We want to get a list of participants for a course round, i.e., a list of Student objects.

84b *⟨CourseRound data methods 83⟩+≡*

```
def participants(self, /, **kwargs):
    """Returns a Student object for each participant in the course."""
    try:
        self.__participants
    except:
        self.__fetch_participants()

    return filter_on_keys(self.__participants, **kwargs)
```

This code is used in chunk 76a.

When we fetch the participants, we don't create new Student objects. We use the `get_student` method of the LADOK session object to fetch objects from the cache if they already exist.

84c *⟨CourseRound data methods 83⟩+≡*

```
def __fetch_participants(self):
    self.__participants = []
    for student in self.ladok.participants_JSON(self.round_id):
        self.__participants.append(
            self.ladok.get_student(student["Student"]["Uid"]))
```

This code is used in chunk 76a.

## Chapter 14

# Course objects related to students

### 14.1 Course registrations and a student's results

Students register for a course. The `CourseRegistration` class represents this data from LADOK. This is the object that must be used to get results for a student. This object keeps more info than the course instance.

We note that some registrations lack the 'Utbildningstillfalleskod' attribute. This happens on 'custom courses' like Erasmus exchanges. If that's the case, we use the value `None` in its place.

```
85 <classes 52> +=  
class CourseRegistration(CourseInstance):  
    """Represents a student's participation in a course instance"""  
    def __init__(self, /, **kwargs):  
        self.__student = kwargs.pop("student")  
  
        # ett Ladok-ID för kursomgången  
        self.__round_id = kwargs.pop("UtbildningstillfalleUID")  
        self.__round_code = kwargs.pop("Utbildningstillfalleskod", None)  
  
        dates = kwargs.pop("Studieperiod")  
        self.__start = datetime.date.fromisoformat(dates["Startdatum"])  
        self.__end = datetime.date.fromisoformat(dates["Slutdatum"])  
  
        super().__init__(**kwargs)  
  
    @property  
    def round_id(self):  
        """Returns LADOK ID for the course round (kursomgång)"""  
        return self.__round_id  
  
    @property  
    def round_code(self):  
        """Returns the human-readable round code (tillfalleskod)"""  
        return self.__round_code  
  
    @property
```

```

def start(self):
    return self.__start

@property
def end(self):
    return self.__end

def __str__(self):
    return f"{self.code} {self.round_code or ''} ({self.start}-{self.end})"

def __repr__(self):
    return f"{self.code}:{self.round_code or ''}:{self.start}-{self.end}"

def results(self, /, **kwargs):
    """Returns the student's results on the course, filtered on keywords"""
    try:
        return filter_on_keys(self.__results, **kwargs)
    except:
        self.__fill_results()
        return filter_on_keys(self.__results, **kwargs)

def __fill_results(self):
    """Helper method to fetch results from LADOK"""
    <pull existing CourseResult objects from LADOK 86>
    <add new CourseResult objects for missing components 87b>

def push(self):
    """Pushes any new results"""
    for result in self.results():
        result.push()

```

This code is used in chunk 50a.

We can pull these from LADOK as well. We construct CourseResult objects using a CourseRegistration object. From the response we get from LADOK, we construct CourseResult objects that deal with the details. (It's a bit unclear why Kursversioner is a list, so far it has always worked to take the first.)

```

86 <pull existing CourseResult objects from LADOK 86>≡
    response = self.ladok.student_results_JSON(
        self.__student.ladok_id, self.education_id
    )["Kursversioner"][0]

    self.__results = []

    for result in response["VersionensModuler"]:
        try:
            self.__results.append(CourseResult(ladok=self.ladok,
                                                components=self.components(),
                                                student=self.__student,
                                                **result))

        except TypeError:

```

pass

This definition is continued in chunk 87a.

This code is used in chunk 85.

As with the components, the course grade itself is a special case. That data is not in VersionensModuler, but in VersionensKurs. But we can do the same with it, just as we could with the components. (And this works since it's a component in self.components().)

```
87a <pull existing CourseResult objects from LADOK 86>+≡
    try:
        self.__results.append(CourseResult(ladok=self.ladok,
                                           components=self.components(),
                                           student=self.__student,
                                           **response["VersionensKurs"]))

    except TypeError:
        pass
```

This code is used in chunk 85.

Now we can see which components from self.components are missing from self.\_\_results and just add empty results for those.

```
87b <add new CourseResult objects for missing components 87b>≡
    for component in self.components():
        if not list(filter_on_keys(self.__results, component=component.code)):
            self.__results.append(
                CourseResult(
                    ladok=self.ladok,
                    component=component,
                    student=self.__student))
```

This code is used in chunk 85.

## 14.2 Course results

The CourseResult objects have the following form. We have two cases: the result exists in LADOK and the result doesn't exist in LADOK. The difference is in how results are pushed to LADOK, i.e., the implementation of the push method.

```
87c <classes 52>+≡
class CourseResult(LadokRemoteData):
    """Represents a result on a course module"""
    def __init__(self, /, **kwargs):
        """To construct this object we must give existing data, i.e.
        Arbetsunderlag or SenastAttesteradeResultat directly from LADOK."""
        super().__init__(**kwargs)

        self.__student = kwargs.pop("student")

        self.__attested = False
        if "component" in kwargs:
            self.__component = kwargs.pop("component")
            self.__populate_attributes()
        elif "components" in kwargs and "ResultatPaUtbildning" in kwargs:
```

```

        components = kwargs.pop("components")

        results = kwargs.pop("ResultatPaUtbildning")

        if "Arbetsunderlag" in results:
            data = results["Arbetsunderlag"]
        elif "SenastAttesteradeResultat" in results:
            self.__attested = True
            data = results["SenastAttesteradeResultat"]
        else:
            data = kwargs

        self.__populate_attributes(**data, components=components)
    else:
        raise TypeError("not enough keys given to construct object")

def __populate_attributes(self, /, **data):
    if not data:
        <populate CourseResult attributes for empty result 90a>
    else:
        <populate CourseResult attributes from data 89>

@property
def component(self):
    """Returns the component the results is for"""
    return self.__component

@property
def grade_scale(self):
    """Returns the grade scale for the component"""
    return self.__grade_scale

@property
def grade(self):
    """Returns the grade set for the component"""
    return self.__grade

def set_grade(self, grade, date):
    """Sets a new grade and date for the component"""
    if self.attested:
        raise AttributeError("can't change already attested grade")

    <set the grade for CourseResult 90b>

    self.__modified = True
    self.push()

def finalize(self, graders=[], notify=False):
    """Finalizes the set grade"""
    if self.modified:

```

```

        self.push()

        <finalize the grade for CourseResult 91c>

    @property
    def modified(self):
        """Returns True if there are unpushed changes"""
        return self.__modified

    @property
    def date(self):
        """Returns the date of the grade"""
        return self.__date

    @property
    def attested(self):
        """Returns True if the grade has been attested in LADOK"""
        return self.__attested

    def __str__(self):
        return f"{self.component} {self.grade} " \
            f"{self.date}{'*' if not self.attested else ''}"

    def push(self):
        if self.__uid:
            <push the existing CourseResult grade data to LADOK 91a>
        else:
            <push the new CourseResult grade data to LADOK 91b>
        self.__modified = False

```

This code is used in chunk 50a.

If we get the data from LADOK, then we can fill in all the attributes.

```

89 <populate CourseResult attributes from data 89>≡
    self.__uid = data.pop("Uid", None)
    self.__instance_id = data.pop("UtbildningsinstansUID")
    self.__results_id = data.pop("ResultatUID", None)
    self.__study_results_id = data.pop("StudieresultatUID", None)

    try:
        grade = data.pop("Betygsgrad", None)
        grade_scale_id = data.pop("BetygsskalaID")
    except KeyError:
        grade_scale_id = int(data["Betygsskala"]["ID"])

    self.__date = data.pop("Examinationsdatum", None)
    self.__grade_scale = self.ladok.get_grade_scales(id=grade_scale_id)[0]
    if grade:
        self.__grade = self.__grade_scale.grades(id=grade)[0]
    else:
        self.__grade = None

```



```

if "components" in data:
    components = data.pop("components")
    component_list = filter_on_keys(components, instance_id=self.__instance_id)
    self.__component = component_list[0] if component_list \
        else None

self.__last_modified = data.pop("SenasteResultatandring", None)
self.__modified = False

```

This code is used in chunk 87c.

However, if this is a completely new result, it doesn't exist in LADOK. Then we lack quite a few of the attributes.

90a *<populate CourseResult attributes for empty result 90a>*≡

```

self.__uid = None
self.__instance_id = self.__component.instance_id

```

```

self.__date = None
self.__grade_scale = self.__component.grade_scale
self.__grade = None

```

```

self.__modified = False
self.__last_modified = None

```

This code is used in chunk 87c.

### 14.2.1 Setting the grade

We can accept the grade either as a grade object or as a string. We must check both values for correctness before we update either of the attributes — otherwise we might end up in an inconsistent state.

90b *<set the grade for CourseResult 90b>*≡

```

if isinstance(grade, Grade) and grade not in self.grade_scale.grades():
    raise TypeError(f"The grade {grade} is not in"
        f"the scale {self.grade_scale.code}")
elif isinstance(grade, str):
    try:
        grade = self.grade_scale.grades(code=grade)[0]
    except:
        raise TypeError(
            f"The grade {grade} is not in the scale {self.grade_scale.code}")
else:
    raise TypeError(f"Can't use type {type(grade)} for grade")

if isinstance(date, str):
    date = datetime.date.fromisoformat(date)
elif not isinstance(date, datetime.date):
    raise TypeError(f"Type {type(date)} not supported for date")

self.__grade = grade
self.__date = date

```

This code is used in chunk 87c.

### 14.2.2 Working with existing results

To push an updated result to LADOK, we do the following.

91a *<push the existing CourseResult grade data to LADOK 91a>*≡

```

try:
    response = self.ladok.update_result_JSON(
        self.__uid, self.grade.id, self.date.isoformat(), self.__last_modified
    )
except Exception as err:
    raise Exception(
        f"couldn't update {self.component.code} to {self.grade} ({self.date})"
        f" to LADOK: {err}"
    )

self.__populate_attributes(**response)

```

This code is used in chunk 87c.

### 14.2.3 Adding new results

We treat new results differently. Since we don't update an already existing item, we must add a new result to LADOK. Particularly, we must add something to the student's study results.

91b *<push the new CourseResult grade data to LADOK 91b>*≡

```

try:
    response = self.ladok.create_result_JSON(
        self.__student.ladok_id,
        self.__component.course.instance_id,
        self.__component.instance_id,
        self.grade.id, self.date.isoformat()
    )
except Exception as err:
    raise Exception("Couldn't register "
        f"{self.component} {self.grade} {self.date}: {err}")

self.__populate_attributes(**response)

```

This code is used in chunk 87c.

### 14.2.4 Finalizing a result

When we finalize the result, we must know who reported the result.

91c *<finalize the grade for CourseResult 91c>*≡

```

reporter_id = self.ladok.user_info_JSON()["AnvandareUID"]

if notify:
    response = self.ladok.finalize_result_JSON(
        self.__results_id, self.__last_modified, reporter_id, reporter_id,
        others=graders
    )

```

```
    )
else:
    response = self.ladok.finalize_result_JSON(
        self.__results_id, self.__last_modified, reporter_id,
        others=graders
    )

    self.__populate_attributes(**response)
```

This code is used in chunk 87c.

## **Part IV**

# **API calls**

## Chapter 15

# Overview of helper functions and methods

We will now document some possible API calls to LADOK. We also document the tests of these functions to illustrate their use.

### 15.1 Example outputs and test code for the API

We will provide both example outputs and test code. The test code is the test cases we want to be able to run with pytest later. We will design the test functions in such a way that we can reuse them to show the example outputs from the API requests.

We will use the following to test the API methods.

```
94 <test api.py 94>≡
import json
import ladok3
import ladok3.cli
import os

ladok = ladok3.LadokSession(*ladok3.cli.load_credentials(),
                             test_environment=True) # for experiments

student_uid = "de709f81-a867-11e7-8dbf-78e86dc2470c"
dasak_instance_id = "39c56d6a-73d8-11e8-b4e0-063f9afb40e3"
dasak_education_id = "39cf7fb4-73d8-11e8-afa7-8e408e694e54"
dasak_round_id = "79a8cb1b-73da-11e8-b4e0-063f9afb40e3"
LAB1_uid = "39ca27fe-73d8-11e8-afa7-8e408e694e54"
LAB1_instance_id = "39ca2861-73d8-11e8-b4e0-063f9afb40e3"
KTH_org_id = "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
```

<test functions 99b>

Root chunk (not used in this document).

We will then add test\_X() functions in the <test functions 99b> code block that will perform the tests. These test functions will also show how to use the functions. Also we will include example output from the function calls in the tests. This is useful for development and when LADOK changes anything in the API.

## 15.2 HTTP queries to LADOK

We will make all queries to LADOK over HTTP as they provide a REST API. This means that we must keep track of some headers and whether we use the test or production system.

### 15.2.1 Data about the LADOK session

The data that we must keep track of is which URL to use, i.e., which system to access: the production system or test system. To run against the test environment, change the base URL to

<https://www.test.ladok.se><sup>1</sup>

<sup>1</sup>According to <https://ladok.se/drift-och-support/produktionsmiljo-for-nya-ladok>.

```
95a <LadokSession constructor body 95a>≡
    self.base_url = "https://www.start.ladok.se" if not test_environment \
        else "https://www.test.ladok.se"
    self.base_gui_url = self.base_url + "/gui"
    self.base_gui_proxy_url = self.base_gui_url + "/proxy"
```

This definition is continued in chunks 95b and 97a.  
Root chunk (not used in this document).

We also set the headers that we will accept.

```
95b <LadokSession constructor body 95a>+≡
    self.headers = { 'Accept' : 'application/vnd.ladok-resultat+json, \
        application/vnd.ladok-kataloginformation+json, \
        application/vnd.ladok-studentinformation+json, \
        application/vnd.ladok-studiedeltagande+json, \
        application/vnd.ladok-utbildningsinformation+json, \
        application/vnd.ladok-examen+json, application/vnd.ladok-extintegration+json, \
        application/vnd.ladok-uppfoljning+json, application/vnd.ladok-extra+json, \
        application/json, text/plain' }
```

### 15.2.2 GET, PUT and POST queries

To make things easier, we will add four methods: `get_query`, `put_query`, `post_query` and `del_query`, which are shortcuts to make GET, PUT, POST and DEL queries to LADOK.

We note that we must record the time of the last GET request to track the freshness of the XSRF token. The other requests track that by the use of the XSRF token itself. We'll get back to this in Section 15.2.3.

```
95c <LadokSession data methods 95c>≡
    def get_query(self, path, content_type="application/vnd.ladok-resultat+json"):
        """Returns GET query response for path on the LADOK server"""
        headers = self.headers.copy()
        headers["Content-Type"] = content_type

        <record time of request 97b>

    return self.session.get(
        url=self.base_gui_proxy_url + path,
```

```

        headers=headers)

def put_query(self, path, put_data,
    content_type="application/vnd.ladok-resultat+json"):
    """Returns PUT query response for path on the LADOK server"""
    headers = self.headers.copy()
    headers["Content-Type"] = content_type
    headers["X-XSRF-TOKEN"] = self.xsrf_token
    headers["Referer"] = self.base_gui_url

    return self.session.put(
        url=self.base_gui_proxy_url + path,
        json=put_data,
        headers=headers)

def post_query(self, path, post_data,
    content_type="application/vnd.ladok-resultat+json"):
    """Returns POST query response for path on the LADOK server"""
    headers = self.headers.copy()
    headers["Content-Type"] = content_type
    headers["X-XSRF-TOKEN"] = self.xsrf_token
    headers["Referer"] = self.base_gui_url

    return self.session.post(
        url=self.base_gui_proxy_url + path,
        json=post_data,
        headers=headers)

def del_query(self, path):
    """Returns GET query response for path on the LADOK server"""
    headers = self.headers.copy()
    headers["X-XSRF-TOKEN"] = self.xsrf_token

    return self.session.delete(
        url=self.base_gui_proxy_url + path,
        headers=headers)

```

This definition is continued in chunks [96](#), [99a](#), [118–21](#), [311a](#), [315a](#), [331a](#), [334–36](#), [379–81](#), [603a](#), [606](#), [609](#), [611a](#), [619](#), [621–29](#), [631a](#), [644a](#), [729a](#), [730a](#), [738a](#), [855a](#), [948a](#), [1025a](#), [1079a](#), [1081a](#), [1084](#), [1087a](#), [1219a](#), [1221a](#), [1265a](#), [1295a](#), [1323a](#), [1330a](#), [1331a](#), [1338a](#), [1341a](#), [1355a](#), [1369a](#), [1495](#), [1500a](#), and [1501a](#).  
 Root chunk (not used in this document).

### 15.2.3 The XSRF token

We note that the PUT, POST and DEL queries require an XSRF token. They all get it through `self.xsrf_token`. We provide a property for that. LADOK sets the XSRF token when we make our first request. If we haven't made any request, we don't have one. Also, if too long time passes between requests, the existing XSRF token will be invalidated by LADOK.

[96](#) `<LadokSession data methods 95c>+≡`  
`@property`

```
def xsrf_token(self):
    <ensure the XSRF token is fresh 97c>
```

```
    cookies = self.session.cookies.get_dict()
    return cookies["XSRF-TOKEN"]
```

Now, we must ensure there is a fresh XSRF token. There are two cases:

- (1) If we don't have an XSRF token, this means that we must log in to get one. Since we use weblogin, we'll simply perform a GET request, i.e., one that doesn't require an XSRF token.
- (2) If we have one, it might be expired due to a timeout. In this case, we must log in again to get a new one.

This means that we want to keep track of when the last request happened, so we can determine if our XSRF token is fresh or not.

```
97a <LadokSession constructor body 95a> +=
    self.__access_time = None
    self.__timeout = datetime.timedelta(minutes=15)
```

```
97b <record time of request 97b> =
    self.__access_time = datetime.datetime.now()
```

This code is used in chunks 95c and 97c.

We note here that we assume that whenever the XSRF token is requested, a PUT, POST or DEL request will soon follow. Hence, we can update the time of the last request whenever the XSRF token is read.

```
97c <ensure the XSRF token is fresh 97c> =
    if not self.__access_time \
        or datetime.datetime.now()-self.__access_time > self.__timeout:
        self.user_info_JSON() # trigger login
    else:
        <record time of request 97b>
```

This code is used in chunk 96.

### 15.3 Cleaning data for printing

We sometimes want to print the data, for instance, example output in this document. For this reason we introduce some cleaning functions. These recursively transcends the JSON structure removing the data that should be removed.

```
97d <functions 97d> =
    def clean_data(json_obj):
        remove_links(json_obj)
        pseudonymize(json_obj)
        return json_obj
```

This definition is continued in chunk 98.  
Root chunk (not used in this document).



The `remove_links` function removes the link key–value pairs. The link values contains URLs for all requests that data are based on.

98a `<functions 97d>+≡`

```
def remove_links(json_obj):
    """Recursively removes all "link" keys and values"""
    if isinstance(json_obj, dict):
        if "link" in json_obj:
            json_obj.pop("link")
        for key, value in json_obj.items():
            remove_links(value)
    elif isinstance(json_obj, list):
        for item in json_obj:
            remove_links(item)
```

The `pseudonymize` function replaces names and personnummer with dummy entries.

98b `<functions 97d>+≡`

```
def pseudonymize(json_obj):
    """Recursively pseudonymizes a JSON data record"""
    if isinstance(json_obj, dict):
        if "Fornamn" in json_obj:
            json_obj["Fornamn"] = "Student"
        if "Efternamn" in json_obj:
            json_obj["Efternamn"] = "Studentzadeh"
        if "Personnummer" in json_obj:
            json_obj["Personnummer"] = "191234561234"
        if "Epostadress" in json_obj:
            json_obj["Epostadress"] = "user@domain.se"
        if "Anvandarnamn" in json_obj:
            json_obj["Anvandarnamn"] = "user@domain.se"
        if "Utdelningsadress" in json_obj:
            json_obj["Utdelningsadress"] = "Stora vägen 1"
        if "Postnummer" in json_obj:
            json_obj["Postnummer"] = "12345"
        if "Postort" in json_obj:
            json_obj["Postort"] = "Byn"
        if "Telefonnummer" in json_obj:
            json_obj["Telefonnummer"] = "0701234567"
        for value in json_obj.values():
            pseudonymize(value)
    elif isinstance(json_obj, list):
        for item in json_obj:
            pseudonymize(item)
```

## Chapter 16

# Grade-related API calls

### 16.1 grade\_scales\_JSON

To request the grading scales from LADOK, we request all of them and return a list of JSON data objects containing the grading scale data.

```
99a <LadokSession data methods 95c> +=  
    def grade_scales_JSON(self):  
        response = self.get_query(  
            "/kataloginformation/internal/grunddata/betygsskala",  
            content_type="application/vnd.ladok-kataloginformation+json;charset=UTF-8")  
  
        if response.status_code == requests.codes.ok:  
            return response.json()["Betygsskala"]  
        raise Exception(f"can't fetch grading scales: {response.text}")
```

We add the following test. If we can convert the return value to JSON, it's probably correct. (No this isn't the best of tests.)

```
99b <test functions 99b> +=  
    def test_grade_scales_JSON():  
        assert ladok.grade_scales_JSON()
```

This definition is continued in chunks 119–22, 311b, 315b, 331b, 334b, 336a, 337, 380–82, 603b, 607, 610, 611b, 620–28, 630, 631b, 644b, 729b, 730b, 738b, 855b, 948b, 1025b, 1079b, 1081b, 1085, 1087b, 1219b, 1221b, 1265b, 1295b, 1323b, 1330b, 1331b, 1338b, 1341b, 1355b, 1369b, 1496, 1500b, and 1501b.

This code is used in chunk 94.

The output looks like this.

```
1  [  
2  {  
3      "Benamning": {  
4          "sv": "Engradig skala för deltagande",  
5          "en": "One-grade scale for participation only"  
6      },  
7      "Beskrivning": {},  
8      "Betygsgrader": [  
9          {  
10             "Benamning": {  
11                 "sv": "Deltagit",  
12                 "en": "Participated"
```

```
13     },
14     "Dolt": false,
15     "GiltigSomSlutbetyg": true,
16     "ID": "102041",
17     "Kod": "D",
18     "Ordningsnummer": 1
19   }
20 ],
21 "Dolt": true,
22 "Giltighetsperiod": {},
23 "ID": "102040",
24 "Kod": "DT",
25 "LarosateID": -1
26 },
27 {
28   "Benamning": {
29     "sv": "Engradig skala",
30     "en": "One-grade scale"
31   },
32   "Beskrivning": {},
33   "Betygsgrader": [
34     {
35       "Benamning": {
36         "sv": "Godkänd",
37         "en": "Pass"
38       },
39       "Dolt": false,
40       "GiltigSomSlutbetyg": true,
41       "ID": "1907",
42       "Kod": "G",
43       "Ordningsnummer": 2
44     }
45   ],
46   "Dolt": true,
47   "Giltighetsperiod": {},
48   "ID": "1",
49   "Kod": "FOG",
50   "LarosateID": -1
51 },
52 {
53   "Benamning": {
54     "sv": "Fyrgradig skala, sifferbetyg",
55     "en": "Four-grade scale, digits"
56   },
57   "Beskrivning": {},
58   "Betygsgrader": [
59     {
60       "Benamning": {
61         "sv": "Mycket väl godkänd",
62         "en": "Pass with distinction"
```

```
63     },
64     "Dolt": false,
65     "GiltigSomSlutbetyg": true,
66     "ID": "102036",
67     "Kod": "5",
68     "Ordningsnummer": 1
69   },
70   {
71     "Benamning": {
72       "sv": "Väl godkänd",
73       "en": "Pass with credit"
74     },
75     "Dolt": false,
76     "GiltigSomSlutbetyg": true,
77     "ID": "102037",
78     "Kod": "4",
79     "Ordningsnummer": 2
80   },
81   {
82     "Benamning": {
83       "sv": "Godkänd",
84       "en": "Pass"
85     },
86     "Dolt": false,
87     "GiltigSomSlutbetyg": true,
88     "ID": "102038",
89     "Kod": "3",
90     "Ordningsnummer": 3
91   },
92   {
93     "Benamning": {
94       "sv": "Underkänd",
95       "en": "Fail"
96     },
97     "Dolt": false,
98     "GiltigSomSlutbetyg": false,
99     "ID": "102039",
100    "Kod": "U",
101    "Ordningsnummer": 4
102  }
103 ],
104 "Dolt": true,
105 "Giltighetsperiod": {},
106 "ID": "102035",
107 "Kod": "TH",
108 "LarosateID": -1
109 },
110 {
111   "Benamning": {
112     "sv": "Tvågradig skala",
```

```
113     "en": "Two-grade scale"
114 },
115 "Beskrivning": {},
116 "Betygsgrader": [
117   {
118     "Benamning": {
119       "sv": "Godkänd",
120       "en": "Pass"
121     },
122     "Dolt": false,
123     "GiltigSomSlutbetyg": true,
124     "ID": "2302",
125     "Kod": "G",
126     "Ordningsnummer": 1
127   },
128   {
129     "Benamning": {
130       "sv": "Underkänd",
131       "en": "Fail"
132     },
133     "Dolt": false,
134     "GiltigSomSlutbetyg": false,
135     "ID": "2303",
136     "Kod": "U",
137     "Ordningsnummer": 2
138   }
139 ],
140 "Dolt": true,
141 "Giltighetsperiod": {},
142 "ID": "2",
143 "Kod": "UG",
144 "LarosateID": -1
145 },
146 {
147   "Benamning": {
148     "sv": "Fyrgradig skala, bokstavs-betyg",
149     "en": "Four-grade scale, letters"
150   },
151   "Beskrivning": {},
152   "Betygsgrader": [
153     {
154       "Benamning": {
155         "sv": "Med beröm godkänd",
156         "en": "Pass with distinction"
157       },
158       "Dolt": false,
159       "GiltigSomSlutbetyg": true,
160       "ID": "102031",
161       "Kod": "AB",
162       "Ordningsnummer": 1
```

```

163     },
164     {
165         "Benamning": {
166             "sv": "Icke utan beröm godkänd",
167             "en": "Pass with credit"
168         },
169         "Dolt": false,
170         "GiltigSomSlutbetyg": true,
171         "ID": "102032",
172         "Kod": "BA",
173         "Ordningsnummer": 2
174     },
175     {
176         "Benamning": {
177             "sv": "Godkänd",
178             "en": "Pass"
179         },
180         "Dolt": false,
181         "GiltigSomSlutbetyg": true,
182         "ID": "102033",
183         "Kod": "B",
184         "Ordningsnummer": 3
185     },
186     {
187         "Benamning": {
188             "sv": "Underkänd",
189             "en": "Fail"
190         },
191         "Dolt": false,
192         "GiltigSomSlutbetyg": false,
193         "ID": "102034",
194         "Kod": "U",
195         "Ordningsnummer": 4
196     }
197 ],
198 "Dolt": true,
199 "Giltighetsperiod": {},
200 "ID": "102030",
201 "Kod": "UM",
202 "LarosateID": -1
203 },
204 {
205     "Benamning": {
206         "sv": "Tregradig skala",
207         "en": "Three-grade scale"
208     },
209     "Beskrivning": {},
210     "Betygsgrader": [
211         {
212             "Benamning": {

```

```

213         "sv": "Väl godkänd",
214         "en": "Pass with distinction"
215     },
216     "Dolt": false,
217     "GiltigSomSlutbetyg": true,
218     "ID": "101313",
219     "Kod": "VG",
220     "Ordningsnummer": 1
221 },
222 {
223     "Benamning": {
224         "sv": "Godkänd",
225         "en": "Pass"
226     },
227     "Dolt": false,
228     "GiltigSomSlutbetyg": true,
229     "ID": "101314",
230     "Kod": "G",
231     "Ordningsnummer": 2
232 },
233 {
234     "Benamning": {
235         "sv": "Underkänd",
236         "en": "Fail"
237     },
238     "Dolt": false,
239     "GiltigSomSlutbetyg": false,
240     "ID": "101315",
241     "Kod": "U",
242     "Ordningsnummer": 3
243 }
244 ],
245 "Dolt": false,
246 "Giltighetsperiod": {},
247 "ID": "101312",
248 "Kod": "UV",
249 "LarosateID": -1
250 },
251 {
252     "Benamning": {
253         "sv": "Z_Felaktig",
254         "en": "Three-grade scale"
255     },
256     "Beskrivning": {},
257     "Betygsgrader": [
258         {
259             "Benamning": {
260                 "sv": "Väl godkänd",
261                 "en": "Pass with distinction"
262             },

```

```
263     "Dolt": false,
264     "GiltigSomSlutbetyg": true,
265     "ID": "101311",
266     "Kod": "VG",
267     "Ordningsnummer": 1
268   }
269 ],
270 "Dolt": true,
271 "Giltighetsperiod": {
272   "Slutdatum": "0001-01-01"
273 },
274 "ID": "101310",
275 "Kod": "UVX",
276 "LarosateID": -1
277 },
278 {
279   "Benamning": {
280     "sv": "Sjugradig betygsskala",
281     "en": "Seven point grading scale"
282   },
283   "Beskrivning": {},
284   "Betygsgrader": [
285     {
286       "Benamning": {
287         "sv": "Utmärkt",
288         "en": "Excellent"
289       },
290       "Dolt": false,
291       "GiltigSomSlutbetyg": true,
292       "ID": "131661",
293       "Kod": "A",
294       "Ordningsnummer": 1
295     },
296     {
297       "Benamning": {
298         "sv": "Mycket bra",
299         "en": "Very Good"
300       },
301       "Dolt": false,
302       "GiltigSomSlutbetyg": true,
303       "ID": "131667",
304       "Kod": "B",
305       "Ordningsnummer": 2
306     },
307     {
308       "Benamning": {
309         "sv": "Bra",
310         "en": "Good"
311       },
312       "Dolt": false,
```



```
313     "GiltigSomSlutbetyg": true,
314     "ID": "131673",
315     "Kod": "C",
316     "Ordningsnummer": 3
317 },
318 {
319     "Benamning": {
320         "sv": "Tillfredsställande",
321         "en": "Satisfactory"
322     },
323     "Dolt": false,
324     "GiltigSomSlutbetyg": true,
325     "ID": "131679",
326     "Kod": "D",
327     "Ordningsnummer": 4
328 },
329 {
330     "Benamning": {
331         "sv": "Tillräcklig",
332         "en": "Sufficient"
333     },
334     "Dolt": false,
335     "GiltigSomSlutbetyg": true,
336     "ID": "131691",
337     "Kod": "E",
338     "Ordningsnummer": 5
339 },
340 {
341     "Benamning": {
342         "sv": "Underkänd",
343         "en": "Not satisfactory"
344     },
345     "Dolt": false,
346     "GiltigSomSlutbetyg": false,
347     "ID": "131696",
348     "Kod": "FX",
349     "Ordningsnummer": 6
350 },
351 {
352     "Benamning": {
353         "sv": "Underkänd",
354         "en": "Failed"
355     },
356     "Dolt": false,
357     "GiltigSomSlutbetyg": false,
358     "ID": "131697",
359     "Kod": "F",
360     "Ordningsnummer": 7
361 }
362 ],
```

```
363     "Dolt": false,
364     "Giltighetsperiod": {
365         "Startdatum": "2007-07-01"
366     },
367     "ID": "131657",
368     "Kod": "AF",
369     "LarosateID": 29
370 },
371 {
372     "Benamning": {
373         "sv": "GD",
374         "en": "GD"
375     },
376     "Beskrivning": {},
377     "Betygsgrader": [
378         {
379             "Benamning": {
380                 "sv": "Godkänd",
381                 "en": "Pass"
382             },
383             "Dolt": false,
384             "GiltigSomSlutbetyg": true,
385             "ID": "131680",
386             "Kod": "G",
387             "Ordningsnummer": 1
388         },
389         {
390             "Benamning": {
391                 "sv": "Deltagit",
392                 "en": "Attended"
393             },
394             "Dolt": false,
395             "GiltigSomSlutbetyg": true,
396             "ID": "131688",
397             "Kod": "D",
398             "Ordningsnummer": 2
399         },
400         {
401             "Benamning": {
402                 "sv": "Underkänd",
403                 "en": "Not satisfactory"
404             },
405             "Dolt": false,
406             "GiltigSomSlutbetyg": false,
407             "ID": "131689",
408             "Kod": "U",
409             "Ordningsnummer": 3
410         }
411     ],
412     "Dolt": true,
```

```
413     "Giltighetsperiod": {},
414     "ID": "131650",
415     "Kod": "GD",
416     "LarosateID": 29
417 },
418 {
419     "Benamning": {
420         "sv": "MH",
421         "en": "MH"
422     },
423     "Beskrivning": {},
424     "Betygsgrader": [
425         {
426             "Benamning": {
427                 "sv": "Fem+",
428                 "en": "Five+"
429             },
430             "Dolt": false,
431             "GiltigSomSlutbetyg": true,
432             "ID": "131660",
433             "Kod": "55",
434             "Ordningsnummer": 1
435         },
436         {
437             "Benamning": {
438                 "sv": "Fem",
439                 "en": "Five"
440             },
441             "Dolt": false,
442             "GiltigSomSlutbetyg": true,
443             "ID": "131664",
444             "Kod": "50",
445             "Ordningsnummer": 2
446         },
447         {
448             "Benamning": {
449                 "sv": "Fyra+",
450                 "en": "Four+"
451             },
452             "Dolt": false,
453             "GiltigSomSlutbetyg": true,
454             "ID": "131674",
455             "Kod": "45",
456             "Ordningsnummer": 3
457         },
458         {
459             "Benamning": {
460                 "sv": "Fyra",
461                 "en": "Four"
462             },
463         },
```

```
463     "Dolt": false,
464     "GiltigSomSlutbetyg": true,
465     "ID": "131678",
466     "Kod": "40",
467     "Ordningsnummer": 4
468 },
469 {
470     "Benamning": {
471         "sv": "Fem++",
472         "en": "Five++"
473     },
474     "Dolt": false,
475     "GiltigSomSlutbetyg": true,
476     "ID": "131692",
477     "Kod": "60",
478     "Ordningsnummer": 5
479 },
480 {
481     "Benamning": {
482         "sv": "Tre+",
483         "en": "Three+"
484     },
485     "Dolt": false,
486     "GiltigSomSlutbetyg": true,
487     "ID": "131693",
488     "Kod": "35",
489     "Ordningsnummer": 6
490 },
491 {
492     "Benamning": {
493         "sv": "Tre",
494         "en": "Three"
495     },
496     "Dolt": false,
497     "GiltigSomSlutbetyg": true,
498     "ID": "131694",
499     "Kod": "30",
500     "Ordningsnummer": 7
501 },
502 {
503     "Benamning": {
504         "sv": "Underkänd",
505         "en": "Not satisfactory"
506     },
507     "Dolt": false,
508     "GiltigSomSlutbetyg": false,
509     "ID": "131695",
510     "Kod": "U",
511     "Ordningsnummer": 8
512 }
```

```
513     ],
514     "Dolt": true,
515     "Giltighetsperiod": {},
516     "ID": "131651",
517     "Kod": "MH",
518     "LarosateID": 29
519   },
520   {
521     "Benamning": {
522       "sv": "Okänd betygsskala",
523       "en": "Unknown grading scale"
524     },
525     "Beskrivning": {},
526     "Betygsgrader": [
527       {
528         "Benamning": {
529           "sv": "Underkänd",
530           "en": "Not satisfactory"
531         },
532         "Dolt": false,
533         "GiltigSomSlutbetyg": false,
534         "ID": "131672",
535         "Kod": "FX",
536         "Ordningsnummer": 1
537       }
538     ],
539     "Dolt": true,
540     "Giltighetsperiod": {
541       "Slutdatum": "2018-06-19"
542     },
543     "ID": "131654",
544     "Kod": "OKÄND",
545     "LarosateID": 29
546   },
547   {
548     "Benamning": {
549       "sv": "Tvågradig betygsskala",
550       "en": "Two point grading scale"
551     },
552     "Beskrivning": {},
553     "Betygsgrader": [
554       {
555         "Benamning": {
556           "sv": "Godkänd",
557           "en": "Pass"
558         },
559         "Dolt": false,
560         "GiltigSomSlutbetyg": true,
561         "ID": "131658",
562         "Kod": "P",
```

```
563     "Ordningsnummer": 1
564   },
565   {
566     "Benamning": {
567       "sv": "Underkänd",
568       "en": "Failed"
569     },
570     "Dolt": false,
571     "GiltigSomSlutbetyg": false,
572     "ID": "131663",
573     "Kod": "F",
574     "Ordningsnummer": 2
575   }
576 ],
577 "Dolt": false,
578 "Giltighetsperiod": {},
579 "ID": "131656",
580 "Kod": "PF",
581 "LarosateID": 29
582 },
583 {
584   "Benamning": {
585     "sv": "SS",
586     "en": "SS"
587   },
588   "Beskrivning": {},
589   "Betygsgrader": [
590     {
591       "Benamning": {
592         "sv": "Sex",
593         "en": "Six"
594       },
595       "Dolt": false,
596       "GiltigSomSlutbetyg": true,
597       "ID": "131665",
598       "Kod": "6",
599       "Ordningsnummer": 1
600     }
601   ],
602   "Dolt": true,
603   "Giltighetsperiod": {},
604   "ID": "131653",
605   "Kod": "SS",
606   "LarosateID": 29
607 },
608 {
609   "Benamning": {
610     "sv": "TH",
611     "en": "TH"
612   },
```

```
613     "Beskrivning": {},
614     "Betygsgrader": [
615       {
616         "Benamning": {
617           "sv": "Fem",
618           "en": "Five"
619         },
620         "Dolt": false,
621         "GiltigSomSlutbetyg": true,
622         "ID": "131675",
623         "Kod": "5",
624         "Ordningsnummer": 1
625       },
626       {
627         "Benamning": {
628           "sv": "Fyra",
629           "en": "Four"
630         },
631         "Dolt": false,
632         "GiltigSomSlutbetyg": true,
633         "ID": "131677",
634         "Kod": "4",
635         "Ordningsnummer": 2
636       },
637       {
638         "Benamning": {
639           "sv": "Tre",
640           "en": "Three"
641         },
642         "Dolt": false,
643         "GiltigSomSlutbetyg": true,
644         "ID": "131682",
645         "Kod": "3",
646         "Ordningsnummer": 3
647       },
648       {
649         "Benamning": {
650           "sv": "Underkänd",
651           "en": "Not satisfactory"
652         },
653         "Dolt": false,
654         "GiltigSomSlutbetyg": false,
655         "ID": "131690",
656         "Kod": "U",
657         "Ordningsnummer": 4
658       }
659     ],
660     "Dolt": true,
661     "Giltighetsperiod": {
662       "Slutdatum": "2018-06-19"
```

```
663     },
664     "ID": "131669",
665     "Kod": "TH",
666     "LarosateID": 29
667   },
668   {
669     "Benamning": {
670       "sv": "TP",
671       "en": "TP"
672     },
673     "Beskrivning": {},
674     "Betygsgrader": [
675       {
676         "Benamning": {
677           "sv": "Fem",
678           "en": "Five"
679         },
680         "Dolt": false,
681         "GiltigSomSlutbetyg": true,
682         "ID": "131666",
683         "Kod": "5",
684         "Ordningsnummer": 1
685       },
686       {
687         "Benamning": {
688           "sv": "Fyra",
689           "en": "Four"
690         },
691         "Dolt": false,
692         "GiltigSomSlutbetyg": true,
693         "ID": "131698",
694         "Kod": "4",
695         "Ordningsnummer": 2
696       },
697       {
698         "Benamning": {
699           "sv": "Tre",
700           "en": "Three"
701         },
702         "Dolt": false,
703         "GiltigSomSlutbetyg": true,
704         "ID": "131699",
705         "Kod": "3",
706         "Ordningsnummer": 3
707       },
708       {
709         "Benamning": {
710           "sv": "Godkänd",
711           "en": "Pass"
712         },
```



```

713     "Dolt": false,
714     "GiltigSomSlutbetyg": true,
715     "ID": "131700",
716     "Kod": "G",
717     "Ordningsnummer": 4
718 },
719 {
720     "Benamning": {
721         "sv": "Deltagit",
722         "en": "Attended"
723     },
724     "Dolt": false,
725     "GiltigSomSlutbetyg": true,
726     "ID": "131701",
727     "Kod": "D",
728     "Ordningsnummer": 5
729 },
730 {
731     "Benamning": {
732         "sv": "Underkänd",
733         "en": "Not satisfactory"
734     },
735     "Dolt": false,
736     "GiltigSomSlutbetyg": false,
737     "ID": "131702",
738     "Kod": "U",
739     "Ordningsnummer": 6
740 }
741 ],
742 "Dolt": true,
743 "Giltighetsperiod": {},
744 "ID": "131652",
745 "Kod": "TP",
746 "LarosateID": 29
747 },
748 {
749     "Benamning": {
750         "sv": "UV",
751         "en": "UV"
752     },
753     "Beskrivning": {},
754     "Betygsgrader": [
755         {
756             "Benamning": {
757                 "sv": "Väl godkänd",
758                 "en": "Pass with Distinction"
759             },
760             "Dolt": false,
761             "GiltigSomSlutbetyg": true,
762             "ID": "131670",

```

```
763     "Kod": "VG",
764     "Ordningsnummer": 1
765   },
766   {
767     "Benamning": {
768       "sv": "Godkänd",
769       "en": "Pass"
770     },
771     "Dolt": false,
772     "GiltigSomSlutbetyg": true,
773     "ID": "131671",
774     "Kod": "G",
775     "Ordningsnummer": 2
776   },
777   {
778     "Benamning": {
779       "sv": "Underkänd",
780       "en": "Not satisfactory"
781     },
782     "Dolt": false,
783     "GiltigSomSlutbetyg": false,
784     "ID": "131676",
785     "Kod": "U",
786     "Ordningsnummer": 3
787   }
788 ],
789 "Dolt": true,
790 "Giltighetsperiod": {
791   "Slutdatum": "2018-06-19"
792 },
793 "ID": "131668",
794 "Kod": "UV",
795 "LarosateID": 29
796 },
797 {
798   "Benamning": {
799     "sv": "XX",
800     "en": "XX"
801   },
802   "Beskrivning": {},
803   "Betygsgrader": [
804     {
805       "Benamning": {
806         "sv": "Sju",
807         "en": "Seven"
808       },
809       "Dolt": false,
810       "GiltigSomSlutbetyg": true,
811       "ID": "131659",
812       "Kod": "7",
```

```
813     "Ordningsnummer": 1
814 },
815 {
816     "Benamning": {
817         "sv": "Sex",
818         "en": "Six"
819     },
820     "Dolt": false,
821     "GiltigSomSlutbetyg": true,
822     "ID": "131662",
823     "Kod": "6",
824     "Ordningsnummer": 2
825 },
826 {
827     "Benamning": {
828         "sv": "Fem",
829         "en": "Five"
830     },
831     "Dolt": false,
832     "GiltigSomSlutbetyg": true,
833     "ID": "131681",
834     "Kod": "5",
835     "Ordningsnummer": 3
836 },
837 {
838     "Benamning": {
839         "sv": "Fyra",
840         "en": "Four"
841     },
842     "Dolt": false,
843     "GiltigSomSlutbetyg": true,
844     "ID": "131683",
845     "Kod": "4",
846     "Ordningsnummer": 4
847 },
848 {
849     "Benamning": {
850         "sv": "Tre",
851         "en": "Tree"
852     },
853     "Dolt": false,
854     "GiltigSomSlutbetyg": true,
855     "ID": "131684",
856     "Kod": "3",
857     "Ordningsnummer": 5
858 },
859 {
860     "Benamning": {
861         "sv": "Godkänd",
862         "en": "Pass"
```

```
863     },
864     "Dolt": false,
865     "GiltigSomSlutbetyg": true,
866     "ID": "131685",
867     "Kod": "G",
868     "Ordningsnummer": 6
869   },
870   {
871     "Benamning": {
872       "sv": "Deltagit",
873       "en": "Attended"
874     },
875     "Dolt": false,
876     "GiltigSomSlutbetyg": true,
877     "ID": "131686",
878     "Kod": "D",
879     "Ordningsnummer": 7
880   },
881   {
882     "Benamning": {
883       "sv": "Underkänd",
884       "en": "Not satisfactory"
885     },
886     "Dolt": false,
887     "GiltigSomSlutbetyg": false,
888     "ID": "131687",
889     "Kod": "U",
890     "Ordningsnummer": 8
891   }
892 ],
893 "Dolt": true,
894 "Giltighetsperiod": {},
895 "ID": "131655",
896 "Kod": "XX",
897 "LarosateID": 29
898 }
899 ]
```

## Chapter 17

# Student-related API calls

Here we have collected API-calls related to students.

### 17.1 get\_student\_data\_JSON and get\_student\_data\_by\_uid\_JSON

This method fetches the basic information about a student based on personnummer. To pull the data based on personnummer we must actually form a search query. (This code is a merge of a slight adaptation of the code by Baltatzis and that of Chip.)

```
118 <LadokSession data methods 95c>+≡
#####
#
# get_student_data_JSON
#
# person_nr          - personnummer, flera format accepteras enligt regex:
#                      (\d\d)?(\d\d)(\d\d\d\d)[+\-]?(\w\w\w\w)
#
# lang               - language code 'en' or 'sv', defaults to 'sv'
#
# RETURNERAR en dictionary med för- och efternamn and more
def get_student_data_JSON(self, person_nr_raw, lang = 'sv'):
    person_nr = format_personnummer(person_nr_raw)

    if not person_nr: raise Exception('Invalid person nr ' + person_nr_raw)

    response = self.session.get(
        url=self.base_gui_proxy_url +
        "/studentinformation/internal/student/filtrera"
        f"?personnummer={person_nr}"
        "&limit=2&page=1"
        "&orderby=EFTERNAMN_ASC&orderby=FORNAMN_ASC"
        "&orderby=PERSONNUMMER_ASC",
        headers=self.headers)

    if response.status_code == requests.codes.ok:
        record = response.json()["Resultat"]
```

```

else:
    raise ValueError(
        f"can't find student based on personnummer {person_nr}: "
        f"bad response: {response.text}")

if len(record) != 1:
    raise ValueError(
        f"can't find student based on personnummer {person_nr}: "
        f"not a unique match: {record}")

return record[0]

```

To test this function, we do the following.

```

119a <test functions 99b>+≡
def test_get_student_data_JSON():
    assert ladok.get_student_data_JSON("8506097891")

```

This code is used in chunk 94.

We also have the corresponding for LADOK's UID, which fetches the record directly.

```

119b <LadokSession data methods 95c>+≡
#####
#
# get_student_data_by_uid_JSON
#
# uid                - Ladok ID
#
# RETURNERAR en dictionary med för- och efternamn and more
def get_student_data_by_uid_JSON(self, uid):
    response = self.get_query(
        f"/studentinformation/internal/student/{uid}",
        content_type="application/vnd.ladok-studentinformation+json;charset=UTF-8")

    if response.status_code == requests.codes.ok:
        return response.json()
    raise AttributeError(f"can't fetch student attributes by LADOK ID {uid}")

```

To test this function, we do the following.

```

119c <test functions 99b>+≡
def test_get_student_data_by_uid_JSON():
    assert ladok.get_student_data_by_uid_JSON(student_uid)

```

This code is used in chunk 94.

The result is the same for both method.

```

1 {
2   "Avliden": false,
3   "Efternamn": "Studentzadeh",
4   "ExterntUID": "0b95cffc-3ba4-405f-b8d6-5edf2e014420",
5   "FelVidEtableringExternt": false,
6   "Fodelsedata": "1985-06-09",
7   "FolkbokforingsbevakningTill0chMed": "2025-12-31",

```

```

8  "Fornamn": "Student",
9  "KonID": 2,
10 "Personnummer": "191234561234",
11 "SenastAndradAv": "system@ladokintern",
12 "SenastSparad": "2025-02-09T21:01:11.139",
13 "Uid": "de709f81-a867-11e7-8dbf-78e86dc2470c"
14 }

```

## 17.2 get\_student\_contact\_data\_JSON

We want to get the contact info for a student from LADOK. This data includes email, postal address and phone number. It also includes when they were last updated.

```

120a <LadokSession data methods 95c>+≡
def get_student_contact_data_JSON(self, student_id):
    """Returns contact data for student with student_id, returns JSON"""
    response = self.get_query(
        f"/studentinformation/internal/student/{student_id}/kontaktuppgifter",
        "application/vnd.ladok-studentinformation+json")

    if response.status_code == requests.codes.ok:
        return response.json()
    raise Exception("can't get contact data for "
        f"student {student_id}: {response.text}")

```

We test this function.

```

120b <test functions 99b>+≡
def test_get_student_contact_data_JSON():
    assert ladok.get_student_contact_data_JSON(student_uid)

```

This code is used in chunk 94.

The output is as follows.

```

1  {
2  "Epostadress": "user@domain.se",
3  "EpostadressSenastAndrad": "2018-06-19T17:42:23.441",
4  "LarosateID": -1,
5  "Postadresser": [
6  {
7      "PostadressTyp": "FOLKBOKFORINGSADDRESS",
8      "Utdelningsadress": "Stora vägen 1",
9      "Postnummer": "12345",
10     "Postort": "Byn",
11     "Land": "Sverige",
12     "SenastAndrad": "2018-09-21T14:20:24.679"
13  }
14  ],
15  "SenastAndradAv": "informationskonverterare@kth",
16  "SenastSparad": "2018-06-19T17:42:23.457",
17  "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
18  "Telefonnummer": "0701234567",

```

```

19  "TelefonnummerSenastAndrad": "2018-06-19T17:42:23.441",
20  "Uid": "2ad333ce-a894-11e7-8f03-147ba8e44f36"
21  }

```

### 17.3 get\_student\_suspensions\_JSON

We want to check if any student is suspended from studies. We can get a list of all suspension periods from LADOK.

```

121a  <LadokSession data methods 95c>+≡
      def get_student_suspensions_JSON(self, student_id):
          """
          Returns suspensions from studies for student with student_id,
          returns JSON
          """
          response = self.get_query(
              f"/studentinformation/internal/avstangning/student/{student_id}",
              "application/vnd.ladok-studentinformation+json")

          if response.status_code == requests.codes.ok:
              return response.json()
          raise Exception("can't get suspensions for "
                          f"student {student_id}: {response.text}")

```

We test this function.

```

121b  <test functions 99b>+≡
      def test_get_student_suspensions_JSON():
          assert ladok.get_student_suspensions_JSON(student_uid)

```

This code is used in chunk 94.

The output looks like this.

```

1  {
2  "Avstangning": []
3  }

```

### 17.4 registrations\_JSON

This methods returns *all* registrations for a student, i.e., registrations on courses and programmes.

```

121c  <LadokSession data methods 95c>+≡
      def registrations_JSON(self, student_id):
          """Return all registrations for student with ID student_id."""
          response = self.get_query(
              "/studiedeltagande/internal/tillfallesdeltagande/kurstillfallesdeltagande"
              f"/student/{student_id}",
              "application/vnd.ladok-studiedeltagande+json")

          if response.status_code == requests.codes.ok:
              return response.json()["Tillfallesdeltaganden"]
          raise Exception("can't get registrations for "
                          f"student {student_id}: {response.text}")

```



We provide the following test.

```
122 <test functions 99b>+≡
def test_registrations_JSON():
    results = ladok.registrations_JSON(student_uid)
    assert json.dumps(results, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1  [
2  {
3      "Aterbud": false,
4      "Avklarad": false,
5      "HarTillgodoraknande": false,
6      "LarosateID": 29,
7      "Nuvarande": true,
8      "Paborjad": true,
9      "Perioddeltaganden": [
10     {
11         "Anpassat": false,
12         "Omfattningsvarde": "0.0",
13         "Periodbenamningar": {},
14         "PerioddeltagandeUID": "e2bbf16e-73db-11e8-b9fd-0a821ba7448e",
15         "Periodindex": 1,
16         "Registreringsperiod": {
17             "Slutdatum": "2014-12-31",
18             "Startdatum": "2014-07-21"
19         },
20         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
21         "UtbildningsPeriodFran": "2014-07-21",
22         "UtbildningsPeriodTill": "2014-12-31"
23     },
24     {
25         "Anpassat": false,
26         "Omfattningsvarde": "0.0",
27         "Periodbenamningar": {},
28         "PerioddeltagandeUID": "e2bbf16f-73db-11e8-b9fd-0a821ba7448e",
29         "Periodindex": 2,
30         "Registreringsperiod": {
31             "Slutdatum": "2015-06-30",
32             "Startdatum": "2015-01-01"
33         },
34         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
35         "UtbildningsPeriodFran": "2015-01-01",
36         "UtbildningsPeriodTill": "2015-06-30"
37     },
38     {
39         "Anpassat": false,
40         "Omfattningsvarde": "0.0",
41         "Periodbenamningar": {},
42         "PerioddeltagandeUID": "e2bbf170-73db-11e8-b9fd-0a821ba7448e",
```

```
43     "Periodindex": 3,  
44     "Registreringsperiod": {  
45         "Slutdatum": "2015-12-31",  
46         "Startdatum": "2015-07-01"  
47     },  
48     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",  
49     "UtbildningsPeriodFran": "2015-07-01",  
50     "UtbildningsPeriodTill": "2015-12-31"  
51 },  
52 {  
53     "Anpassat": false,  
54     "Omfattningsvarde": "0.0",  
55     "Periodbenamningar": {},  
56     "PeriodeltagandeUID": "e2bbf171-73db-11e8-b9fd-0a821ba7448e",  
57     "Periodindex": 4,  
58     "Registreringsperiod": {  
59         "Slutdatum": "2016-06-30",  
60         "Startdatum": "2016-01-01"  
61     },  
62     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",  
63     "UtbildningsPeriodFran": "2016-01-01",  
64     "UtbildningsPeriodTill": "2016-06-30"  
65 },  
66 {  
67     "Anpassat": false,  
68     "Omfattningsvarde": "0.0",  
69     "Periodbenamningar": {},  
70     "PeriodeltagandeUID": "e2bbf172-73db-11e8-b9fd-0a821ba7448e",  
71     "Periodindex": 5,  
72     "Registreringsperiod": {  
73         "Slutdatum": "2016-12-31",  
74         "Startdatum": "2016-07-01"  
75     },  
76     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",  
77     "UtbildningsPeriodFran": "2016-07-01",  
78     "UtbildningsPeriodTill": "2016-12-31"  
79 },  
80 {  
81     "Anpassat": false,  
82     "Omfattningsvarde": "0.0",  
83     "Periodbenamningar": {},  
84     "PeriodeltagandeUID": "e2bbf173-73db-11e8-b9fd-0a821ba7448e",  
85     "Periodindex": 6,  
86     "Registreringsperiod": {  
87         "Slutdatum": "2017-06-30",  
88         "Startdatum": "2017-01-01"  
89     },  
90     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",  
91     "UtbildningsPeriodFran": "2017-01-01",  
92     "UtbildningsPeriodTill": "2017-06-30"
```

```
93     },
94     {
95       "Anpassat": false,
96       "Omfattningsvarde": "0.0",
97       "Periodbenamningar": {},
98       "PeriodeltagandeUID": "e2bbf174-73db-11e8-b9fd-0a821ba7448e",
99       "Periodindex": 7,
100      "Registreringsperiod": {
101        "Slutdatum": "2017-12-31",
102        "Startdatum": "2017-07-01"
103      },
104      "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
105      "UtbildningsPeriodFran": "2017-07-01",
106      "UtbildningsPeriodTill": "2017-12-31"
107    },
108    {
109      "Anpassat": false,
110      "Omfattningsvarde": "0.0",
111      "Periodbenamningar": {},
112      "PeriodeltagandeUID": "e2bbf175-73db-11e8-b9fd-0a821ba7448e",
113      "Periodindex": 8,
114      "Registreringsperiod": {
115        "Slutdatum": "2018-06-30",
116        "Startdatum": "2018-01-01"
117      },
118      "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
119      "UtbildningsPeriodFran": "2018-01-01",
120      "UtbildningsPeriodTill": "2018-06-30"
121    },
122    {
123      "Anpassat": false,
124      "Omfattningsvarde": "0.0",
125      "Periodbenamningar": {},
126      "PeriodeltagandeUID": "1f617c1b-bfdd-11e8-8049-fd7fef4b484c",
127      "Periodindex": 9,
128      "Registreringsperiod": {
129        "Slutdatum": "2018-12-31",
130        "Startdatum": "2018-07-01"
131      },
132      "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
133      "UtbildningsPeriodFran": "2018-07-01",
134      "UtbildningsPeriodTill": "2018-12-31"
135    },
136    {
137      "Anpassat": false,
138      "Omfattningsvarde": "0.0",
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142      "Registreringsperiod": {
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145     },
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147     "UtbildningsPeriodFran": "2019-01-01",
148     "UtbildningsPeriodTill": "2019-06-30"
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153     "Periodbenamningar": {},
154     "PeriodeltagandeUID": "a0976dac-b515-11e9-a427-41cc12dd4dc3",
155     "Periodindex": 11,
156     "Registreringsperiod": {
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158         "Startdatum": "2019-07-01"
159     },
160     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
161     "UtbildningsPeriodFran": "2019-07-01",
162     "UtbildningsPeriodTill": "2019-12-31"
163 },
164 {
165     "Anpassat": false,
166     "Omfattningsvarde": "0.0",
167     "Periodbenamningar": {},
168     "PeriodeltagandeUID": "f9598cf9-3158-11ea-88ee-aa17e0384779",
169     "Periodindex": 12,
170     "Registreringsperiod": {
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172         "Startdatum": "2020-01-01"
173     },
174     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
175     "UtbildningsPeriodFran": "2020-01-01",
176     "UtbildningsPeriodTill": "2020-06-30"
177 }
178 ],
179 "Sparrad": false,
180 "Studiestrukturreferens": "8d2faf86-73d9-11e8-b9fd-0a821ba7448e,null",
181 "SummeradGodkandOmfattning": "0.0",
182 "SummeradHeltTillgodoraknadOmfattning": "0.0",
183 "SummeradTillgodoraknadOmfattning": "0.0",
184 "TillstandKurs": {
185     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.registrerad",
186     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
187     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
188     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.paborjad"
189 },
190 "Uid": "e2ba1cad-73db-11e8-b9fd-0a821ba7448e",
191 "Utbildningsinformation": {
192     "AntalPerioder": 12,

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193     "Benamning": {
194         "sv": "Doktorsavhandling",
195         "en": "Doctoral thesis"
196     },
197     "Enhetskod": "HP",
198     "LarosateID": 29,
199     "PeriodIOrdning": "0",
200     "Perioder": [
201         {
202             "Index": 1,
203             "Omfattningsvarde": "0.0",
204             "Slutdatum": "2014-12-31",
205             "Startdatum": "2014-07-21",
206             "Uid": "89a69d8d-73db-11e8-afa7-8e408e694e54"
207         },
208         {
209             "Index": 2,
210             "Omfattningsvarde": "0.0",
211             "Slutdatum": "2015-06-30",
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213             "Uid": "89a69d8e-73db-11e8-afa7-8e408e694e54"
214         },
215         {
216             "Index": 3,
217             "Omfattningsvarde": "0.0",
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221         },
222         {
223             "Index": 4,
224             "Omfattningsvarde": "0.0",
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227             "Uid": "89a69d90-73db-11e8-afa7-8e408e694e54"
228         },
229         {
230             "Index": 5,
231             "Omfattningsvarde": "0.0",
232             "Slutdatum": "2016-12-31",
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234             "Uid": "89a69d91-73db-11e8-afa7-8e408e694e54"
235         },
236         {
237             "Index": 6,
238             "Omfattningsvarde": "0.0",
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242         },
243     ],
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248         "Uid": "89a69d93-73db-11e8-afa7-8e408e694e54"
249     },
250     {
251         "Index": 8,
252         "Omfattningsvarde": "0.0",
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254         "Startdatum": "2018-01-01",
255         "Uid": "89a69d94-73db-11e8-afa7-8e408e694e54"
256     },
257     {
258         "Index": 9,
259         "Omfattningsvarde": "0.0",
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261         "Startdatum": "2018-07-01",
262         "Uid": "1f28dff3-bfdd-11e8-8180-6b9d2e0d4d07"
263     },
264     {
265         "Index": 10,
266         "Omfattningsvarde": "0.0",
267         "Slutdatum": "2019-06-30",
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269         "Uid": "1f28dff4-bfdd-11e8-8180-6b9d2e0d4d07"
270     },
271     {
272         "Index": 11,
273         "Omfattningsvarde": "0.0",
274         "Slutdatum": "2019-12-31",
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276         "Uid": "9fb60ee3-b515-11e9-9999-748409b84dd2"
277     },
278     {
279         "Index": 12,
280         "Omfattningsvarde": "0.0",
281         "Slutdatum": "2020-06-30",
282         "Startdatum": "2020-01-01",
283         "Uid": "f82ad0dd-3158-11ea-a989-1ea254964e91"
284     }
285 ],
286 "StudieordningID": "1",
287 "Studieperiod": {
288     "Slutdatum": "2020-06-30",
289     "Startdatum": "2014-07-21"
290 },
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293     "UtbildningstillfalleUID": "89a64ff3-73db-11e8-b4e0-063f9afb40e3",
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296             "sv": "Tillfälle för forskningsarbete",
297             "en": "Research project instance"
298         },
299         "Giltighetsperiod": {},
300         "Grundtyp": "KURS",
301         "ID": 101953,
302         "Kod": "2007VFTF",
303         "RegelverkForUtbildningstyp": {
304             "Regelvarden": [
305                 {
306                     "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
307                     "Varde": "true"
308                 },
309                 {
310                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
311                     "Varde": "grupp.for.utsokning.forskarniva"
312                 },
313                 {
314                     "Regelnamn": "commons.domain.regel.individuell",
315                     "Varde": "true"
316                 },
317                 {
318                     "Regelnamn": "commons.domain.regel.studieperiod.kan.laggas.till",
319                     "Varde": "true"
320                 }
321             ]
322         },
323         "Sjalvstandig": false
324     },
325     "Utbildningstyp": {
326         "Benamningar": {
327             "sv": "Forskningsarbete (utan angiven omfattning)",
328             "en": "Research project (scope not specified)"
329         },
330         "Giltighetsperiod": {},
331         "Grundtyp": "KURS",
332         "ID": 110915,
333         "Kod": "2007VFU0",
334         "RegelverkForUtbildningstyp": {
335             "Regelvarden": [
336                 {
337                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
338                     "Varde": "grupp.for.utsokning.forskarniva"
339                 },
340                 {
341                     "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
342                     "Varde": "true"

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343         },
344         {
345             "Regelnamn": "commons.domain.regel.ej.angiven.omfattning",
346             "Varde": "true"
347         }
348     ],
349     },
350     "Sjalvstandig": true
351 },
352 "Utbildningsversion": 1
353 }
354 },
355 {
356     "Aterbud": false,
357     "Avklarad": true,
358     "Godkannandedatum": "2015-07-03",
359     "HarTillgodoraknande": false,
360     "LarosateID": 29,
361     "Nuvarande": true,
362     "Paborjad": true,
363     "Perioddeltaganden": [
364         {
365             "Anpassat": false,
366             "Omfattningsvarde": "7.5",
367             "Periodbenamningar": {},
368             "PerioddeltagandeUID": "6a75aa0e-73de-11e8-b9fd-0a821ba7448e",
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370             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
371             "UtbildningsPeriodFran": "2015-07-01",
372             "UtbildningsPeriodTill": "2015-12-31"
373         }
374     ],
375     "Sparrad": false,
376     "Studiestrukturreferens": "8d2faf86-73d9-11e8-b9fd-0a821ba7448e,null",
377     "SummeradGodkandOmfattning": "7.5",
378     "SummeradHeltTillgodoraknadOmfattning": "0.0",
379     "SummeradTillgodoraknadOmfattning": "0.0",
380     "TillstandKurs": {
381         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
382         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
383         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
384         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
385     },
386     "UId": "6a75aa0d-73de-11e8-b9fd-0a821ba7448e",
387     "Utbildningsinformation": {
388         "AntalPerioder": 1,
389         "Benamning": {
390             "sv": "Forskning: teori, metod, praktik",
391             "en": "Research: Theory, Method, Practice"
392         }
393     }
394 }

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394     "LarosateID": 29,
395     "Omfattningsvarde": "7.5",
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400             "Omfattningsvarde": "7.5",
401             "Slutdatum": "2015-12-31",
402             "Startdatum": "2015-07-01",
403             "Uid": "5b33f7fb-73d9-11e8-afa7-8e408e694e54"
404         }
405     ],
406     "StudieordningID": "1",
407     "Studieperiod": {
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409         "Startdatum": "2015-07-01"
410     },
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412     "UtbildningensOmfattningsvarde": "7.5",
413     "UtbildningsinstansUID": "98f19781-73d8-11e8-b4e0-063f9afb40e3",
414     "Utbildningskod": "FDD3001",
415     "UtbildningstillfalleUID": "5b33d0e3-73d9-11e8-b4e0-063f9afb40e3",
416     "Utbildningstillfalleskod": "KT-065EC",
417     "Utbildningstillfallestyp": {
418         "Benamningar": {
419             "sv": "Kurstillfälle, forskarnivå",
420             "en": "Course instance, Third-cycle"
421         },
422         "Giltighetsperiod": {},
423         "Grundtyp": "KURS",
424         "ID": 101955,
425         "Kod": "2007FKTF",
426         "RegelverkForUtbildningstyp": {
427             "Regelvarde": [
428                 {
429                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
430                     "Varde": "grupp.for.utsokning.forskarniva"
431                 },
432                 {
433                     "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
434                     "Varde": "true"
435                 }
436             ]
437         },
438         "Sjalvstandig": false
439     },
440     "Utbildningstyp": {
441         "Benamningar": {
442             "sv": "Kurs, forskarnivå",

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443     "en": "Course, Third-cycle"
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445   "Giltighetsperiod": {},
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447   "ID": 101954,
448   "Kod": "2007FKURS",
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453         "Varde": "grupp.for.utsokning.forskarniva"
454       },
455       {
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457         "Varde": "true"
458       },
459       {
460         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
461         "Varde": "true"
462       },
463       {
464         "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
465         "Varde": "true"
466       }
467     ]
468   },
469   "Sjalvstandig": true
470 },
471 "Utbildningsversion": 1
472 }
473 },
474 {
475   "Aterbud": false,
476   "Avklarad": true,
477   "Godkannandedatum": "2015-08-05",
478   "HarTillgodoraknande": false,
479   "LarosateID": 29,
480   "Nuvarande": true,
481   "Paborjad": true,
482   "Perioddeltaganden": [
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484       "Anpassat": false,
485       "Omfattningsvarde": "3.5",
486       "Periodbenamningar": {},
487       "PerioddeltagandeUID": "1a48f70b-73e3-11e8-b9fd-0a821ba7448e",
488       "Periodindex": 1,
489       "Registreringsperiod": {
490         "Slutdatum": "2015-12-31",
491         "Startdatum": "2015-07-01"
492       }
493     }
494   ]
495 }

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493     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
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495     "UtbildningsPeriodTill": "2015-12-31"
496 }
497 ],
498 "Sparrad": false,
499 "Studiestrukturreferens": "8d2faf86-73d9-11e8-b9fd-0a821ba7448e,null",
500 "SummeradGodkandOmfattning": "3.5",
501 "SummeradHeltTillgodoraknadOmfattning": "0.0",
502 "SummeradTillgodoraknadOmfattning": "0.0",
503 "TillstandKurs": {
504     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
505     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
506     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
507     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
508 },
509 "Uid": "1a43040f-73e3-11e8-b9fd-0a821ba7448e",
510 "Utbildningsinformation": {
511     "AntalPerioder": 1,
512     "Benamning": {
513         "sv": "EP2810 Koncentrerat projekt i nätverkssystem",
514         "en": "EP2810 Short Project in Network Systems"
515     },
516     "Enhetskod": "HP",
517     "LarosateID": 29,
518     "Omfattningsvarde": "3.5",
519     "PeriodIOrdning": "0",
520     "Perioder": [
521         {
522             "Index": 1,
523             "Omfattningsvarde": "3.5",
524             "Slutdatum": "2015-12-31",
525             "Startdatum": "2015-07-01",
526             "Uid": "94ce0143-73df-11e8-afa7-8e408e694e54"
527         }
528     ],
529     "StudieordningID": "1",
530     "Studieperiod": {
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532         "Startdatum": "2015-07-01"
533     },
534     "UtbildningUID": "94cdb337-73df-11e8-b4e0-063f9afb40e3",
535     "UtbildningsOmfattningsvarde": "3.5",
536     "UtbildningsinstansUID": "94cdd1a-73df-11e8-afa7-8e408e694e54",
537     "UtbildningstillfalleUID": "94cdb33a-73df-11e8-b4e0-063f9afb40e3",
538     "Utbildningstillfallestyp": {
539         "Benamningar": {
540             "sv": "Tillfälle för individuellt åtagande, forskarnivå",
541             "en": "Individual load instance, Third-cycle"
542         }
543     },

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545     "ID": 101951,
546     "Kod": "2007FATTF",
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551           "Varde": "grupp.for.utsokning.forskarniva"
552         },
553         {
554           "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
555           "Varde": "true"
556         },
557         {
558           "Regelnamn": "commons.domain.regel.individuell",
559           "Varde": "true"
560         }
561       ]
562     },
563     "Sjalvstandig": false
564   },
565   "Utbildningstyp": {
566     "Benamningar": {
567       "sv": "Individuellt åtagande, forskarnivå",
568       "en": "Individual load, Third-cycle"
569     },
570     "Giltighetsperiod": {},
571     "Grundtyp": "KURS",
572     "ID": 101950,
573     "Kod": "2007FAT",
574     "RegelverkForUtbildningstyp": {
575       "Regelvarden": [
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577           "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
578           "Varde": "true"
579         },
580         {
581           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
582           "Varde": "grupp.for.utsokning.forskarniva"
583         },
584         {
585           "Regelnamn": "commons.domain.regel.individuell",
586           "Varde": "true"
587         },
588         {
589           "Regelnamn": "commons.domain.regel.versionshanteras",
590           "Varde": "false"
591         }
592       ]
593     }
594   ]
595 }
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593     },
594     "Själavstandig": true
595   },
596   "Utbildningsversion": 1
597 }
598 },
599 {
600   "Aterbud": false,
601   "Avklarad": true,
602   "Godkannandedatum": "2006-10-25",
603   "HarTillgodoraknande": false,
604   "LarosateID": 29,
605   "Nuvarande": true,
606   "Paborjad": true,
607   "Perioddeltaganden": [
608     {
609       "Anpassat": false,
610       "Omfattningsvarde": "7.5",
611       "Periodbenamningar": {},
612       "PerioddeltagandeUID": "98716cbd-73f2-11e8-b9fd-0a821ba7448e",
613       "Periodindex": 1,
614       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
615       "UtbildningsPeriodFran": "2006-08-30",
616       "UtbildningsPeriodTill": "2007-01-16"
617     }
618   ],
619   "Sparrad": false,
620   "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
621   "SummeradGodkandOmfattning": "7.5",
622   "SummeradHeltTillgodoraknadOmfattning": "0.0",
623   "SummeradTillgodoraknadOmfattning": "0.0",
624   "TillstandKurs": {
625     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
626     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
627     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
628     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
629   },
630   "UId": "987145ab-73f2-11e8-b9fd-0a821ba7448e",
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649     }
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662         "Startdatum": "1917-10-19"
663     },
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675         "en": "Full-time"
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677     "Takt": 100
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682         "en": "Normal teaching"
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701         "Kod": "1993GKTF",
702         "RegelverkForUtbildningstyp": {
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711                 }
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765   ],
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774     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
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785     "FinansieringsformID": 101050,
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788     "PeriodIOrdning": "0",
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791         "Index": 1,
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797 ],
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824   "Takt": 100
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921     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
922     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
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1005             }
1006         ]
1007     },
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1009 },
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1078       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
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1133             "en": "Full-time"
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1140             "en": "Normal teaching"
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1160     "RegelverkForUtbildningstyp": {
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1169             }
1170         ]
1171     },
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1173 },
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1178     },
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1191                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1192             }

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1277             "sv": "Helfart",
1278             "en": "Full-time"
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1281     },
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1285             "en": "Distance learning"
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1300   },
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1304   "Kod": "1993GKTF",
1305   "RegelverkForUtbildningstyp": {
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1313         "Varde": "true"
1314       }
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1323   },
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1340         "Varde": "20"
1341       }
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1368   ],
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1376     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
1377     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.paborjad"
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1379   "Uid": "98b7c41e-73f2-11e8-b9fd-0a821ba7448e",
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1738       "UtbildningsPeriodFran": "2007-01-17",
1739       "UtbildningsPeriodTill": "2007-05-28"
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1746 "SummeradTillgodoraknadOmfattning": "0.0",
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1751   "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
1752 },
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1758     "en": "Science, Technology and Learning I, incl Teaching Practice"
1759   },
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1761   "FinansieringsformID": 101050,
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1800     "Takt": 100
1801 },
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1816 "Utbildningstillfallestyp": {
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1819         "en": "Course instance, Undergraduate"
1820     },
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1823     "ID": 101374,
1824     "Kod": "1993GKTF",
1825     "RegelverkForUtbildningstyp": {
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1829                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1830             },
1831             {
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1833                 "Varde": "true"
1834             }
1835         ]
1836     },
1837     "Sjalvstandig": false
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1842         "en": "Course, Undergraduate"

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1852                 "Varde": "true"
1853             },
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1856                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1857             },
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1860                 "Varde": "20"
1861             }
1862         ]
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1867 }
1868 },
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1873     "HarTillgodoraknande": false,
1874     "LarosateID": 29,
1875     "Nuvarande": true,
1876     "Paborjad": true,
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1886             "UtbildningsPeriodTill": "2008-01-11"
1887         }
1888     ],
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1951         "sv": "Normal",
1952         "en": "Normal teaching"
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1977             },
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2224     "Nuvarande": true,
2225     "Paborjad": true,
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2281                 "Startdatum": "1917-10-19"
2282             },
2283             "ID": 131778,
2284             "Kod": "0180"
2285         },
2286         "StudieordningID": "1",
2287         "Studieperiod": {
2288             "Slutdatum": "2009-01-10",
2289             "Startdatum": "2008-08-29"
2290         },
2291         "Studietakt": {
2292             "Benamning": {

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2293     "sv": "Helfart",
2294     "en": "Full-time"
2295 },
2296     "Takt": 100
2297 },
2298     "Undervisningsform": {
2299         "Benamningar": {
2300             "sv": "Normal",
2301             "en": "Normal teaching"
2302         },
2303         "Giltighetsperiod": {},
2304         "ID": 1
2305     },
2306     "UtbildningUID": "39111148-73d8-11e8-afa7-8e408e694e54",
2307     "UtbildningensOmfattningsvarde": "7.5",
2308     "UtbildningsinstansUID": "38fec21a-73d8-11e8-b4e0-063f9afb40e3",
2309     "Utbildningskod": "DD1361",
2310     "UtbildningstillfalleUID": "781385bf-73da-11e8-b4e0-063f9afb40e3",
2311     "Utbildningstillfalleskod": "51003",
2312     "Utbildningstillfallestyp": {
2313         "Benamningar": {
2314             "sv": "Kurstillfälle",
2315             "en": "Course instance"
2316         },
2317         "Giltighetsperiod": {},
2318         "Grundtyp": "KURS",
2319         "ID": 52,
2320         "Kod": "2007KTF",
2321         "RegelverkForUtbildningstyp": {
2322             "Regelvarde": [
2323                 {
2324                     "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
2325                     "Varde": "varning"
2326                 },
2327                 {
2328                     "Regelnamn": "commons.domain.regel.kan.utannonseras",
2329                     "Varde": "true"
2330                 },
2331                 {
2332                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2333                     "Varde": "true"
2334                 },
2335                 {
2336                     "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2337                     "Varde": "true"
2338                 },
2339                 {
2340                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2341                     "Varde": "grupp.for.utsokning.grundavanceradniva"
2342                 }

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2343     ]
2344   },
2345   "Sjalvstandig": false
2346 },
2347 "Utbildningstyp": {
2348   "Benamningar": {
2349     "sv": "Kurs, grundnivå",
2350     "en": "Course, First-cycle"
2351   },
2352   "Giltighetsperiod": {},
2353   "Grundtyp": "KURS",
2354   "ID": 22,
2355   "Kod": "2007GKURS",
2356   "RegelverkForUtbildningstyp": {
2357     "Regelvarden": [
2358       {
2359         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2360         "Varde": "true"
2361       },
2362       {
2363         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2364         "Varde": "true"
2365       },
2366       {
2367         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2368         "Varde": "true"
2369       },
2370       {
2371         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
2372         "Varde": "true"
2373       },
2374       {
2375         "Regelnamn": "commons.domain.regel.avbrottsregel",
2376         "Varde": "20"
2377       },
2378       {
2379         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2380         "Varde": "grupp.for.utsokning.grundavanceradniva"
2381       },
2382       {
2383         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2384         "Varde": "true"
2385       }
2386     ]
2387   },
2388   "Sjalvstandig": true
2389 },
2390 "Utbildningsversion": 1
2391 }
2392 },

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2393 {
2394   "Aterbud": false,
2395   "Avklarad": false,
2396   "HarTillgodoraknande": false,
2397   "LarosateID": 29,
2398   "Nuvarande": true,
2399   "Paborjad": true,
2400   "Perioddeltaganden": [
2401     {
2402       "Anpassat": false,
2403       "Omfattningsvarde": "6.0",
2404       "Periodbenamningar": {},
2405       "PerioddeltagandeUID": "99056efc-73f2-11e8-b9fd-0a821ba7448e",
2406       "Periodindex": 1,
2407       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2408       "UtbildningsPeriodFran": "2010-08-27",
2409       "UtbildningsPeriodTill": "2011-01-07"
2410     }
2411   ],
2412   "Sparrad": false,
2413   "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
2414   "SummeradGodkandOmfattning": "0.0",
2415   "SummeradHeltTillgodoraknadOmfattning": "0.0",
2416   "SummeradTillgodoraknadOmfattning": "0.0",
2417   "TillstandKurs": {
2418     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2419     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2420     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
2421     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.paborjad"
2422   },
2423   "Uid": "99056ef6-73f2-11e8-b9fd-0a821ba7448e",
2424   "Utbildningsinformation": {
2425     "AntalPerioder": 1,
2426     "Benamning": {
2427       "sv": "Algoritmer och komplexitet",
2428       "en": "Algorithms and Complexity"
2429     },
2430     "Enhetskod": "HP",
2431     "FinansieringsformID": 101050,
2432     "LarosateID": 29,
2433     "Omfattningsvarde": "6.0",
2434     "PeriodIOrdning": "0",
2435     "Perioder": [
2436       {
2437         "Index": 1,
2438         "Omfattningsvarde": "6.0",
2439         "Slutdatum": "2011-01-07",
2440         "Startdatum": "2010-08-27",
2441         "Uid": "794a574e-73da-11e8-afa7-8e408e694e54"
2442       }

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2443     },
2444     "Studielokalisering": {
2445       "sv": "Stockholm",
2446       "en": "Stockholm"
2447     },
2448     "Studielokaliseringrepresentation": {
2449       "Benamningar": {
2450         "sv": "Stockholm",
2451         "en": "Stockholm"
2452       },
2453       "Giltighetsperiod": {
2454         "Slutdatum": "2019-01-14",
2455         "Startdatum": "1917-10-19"
2456       },
2457       "ID": 131778,
2458       "Kod": "0180"
2459     },
2460     "StudieordningID": "1",
2461     "Studieperiod": {
2462       "Slutdatum": "2011-01-07",
2463       "Startdatum": "2010-08-27"
2464     },
2465     "Studietakt": {
2466       "Benamning": {
2467         "sv": "Helfart",
2468         "en": "Full-time"
2469       },
2470       "Takt": 100
2471     },
2472     "Undervisningsform": {
2473       "Benamningar": {
2474         "sv": "Normal",
2475         "en": "Normal teaching"
2476       },
2477       "Giltighetsperiod": {},
2478       "ID": 1
2479     },
2480     "UtbildningUID": "398be710-73d8-11e8-afa7-8e408e694e54",
2481     "UtbildningensOmfattningsvarde": "6.0",
2482     "UtbildningsinstansUID": "3981d461-73d8-11e8-b4e0-063f9afb40e3",
2483     "Utbildningskod": "DD2354",
2484     "UtbildningstillfalleUID": "794a09c3-73da-11e8-b4e0-063f9afb40e3",
2485     "Utbildningstillfalleskod": "X0104",
2486     "Utbildningstillfallestyp": {
2487       "Benamningar": {
2488         "sv": "Kurstillfälle",
2489         "en": "Course instance"
2490       },
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2492       "Grundtyp": "KURS",

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2494     "Kod": "2007KTF",  
2495     "RegelverkForUtbildningstyp": {  
2496         "Regelvarden": [  
2497             {  
2498                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",  
2499                 "Varde": "varning"  
2500             },  
2501             {  
2502                 "Regelnamn": "commons.domain.regel.kan.utannonseras",  
2503                 "Varde": "true"  
2504             },  
2505             {  
2506                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",  
2507                 "Varde": "true"  
2508             },  
2509             {  
2510                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",  
2511                 "Varde": "true"  
2512             },  
2513             {  
2514                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",  
2515                 "Varde": "grupp.for.utsokning.grundavanceradniva"  
2516             }  
2517         ]  
2518     },  
2519     "Sjalvstandig": false  
2520 },  
2521 "Utbildningstyp": {  
2522     "Benamningar": {  
2523         "sv": "Kurs, avancerad nivå",  
2524         "en": "Course, Second-cycle"  
2525     },  
2526     "Giltighetsperiod": {},  
2527     "Grundtyp": "KURS",  
2528     "ID": 24,  
2529     "Kod": "2007AKURS",  
2530     "RegelverkForUtbildningstyp": {  
2531         "Regelvarden": [  
2532             {  
2533                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",  
2534                 "Varde": "true"  
2535             },  
2536             {  
2537                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",  
2538                 "Varde": "grupp.for.utsokning.grundavanceradniva"  
2539             },  
2540             {  
2541                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",  
2542                 "Varde": "true"
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2543     },
2544     {
2545       "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2546       "Varde": "true"
2547     },
2548     {
2549       "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2550       "Varde": "true"
2551     },
2552     {
2553       "Regelnamn": "commons.domain.regel.avbrottsregel",
2554       "Varde": "20"
2555     },
2556     {
2557       "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2558       "Varde": "true"
2559     }
2560   ],
2561   },
2562   "Sjalvstandig": true
2563 },
2564 "Utbildningsversion": 1
2565 }
2566 },
2567 {
2568   "Aterbud": false,
2569   "Avklarad": true,
2570   "Godkannandedatum": "2008-04-04",
2571   "HarTillgodoraknande": false,
2572   "LarosateID": 29,
2573   "Nuvarande": true,
2574   "Paborjad": true,
2575   "Perioddeltaganden": [
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2577       "Anpassat": false,
2578       "Omfattningsvarde": "7.5",
2579       "Periodbenamningar": {},
2580       "PerioddeltagandeUID": "9916d48e-73f2-11e8-b9fd-0a821ba7448e",
2581       "Periodindex": 1,
2582       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2583       "UtbildningsPeriodFran": "2008-01-14",
2584       "UtbildningsPeriodTill": "2008-05-26"
2585     }
2586   ],
2587   "Sparrad": false,
2588   "Studiestruktureferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
2589   "SummeradGodkandOmfattning": "7.5",
2590   "SummeradHeltTillgodoraknadOmfattning": "0.0",
2591   "SummeradTillgodoraknadOmfattning": "0.0",
2592   "TillstandKurs": {

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2594     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
2595     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
2596     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
2597 },
2598 "Uid": "9916866c-73f2-11e8-b9fd-0a821ba7448e",
2599 "Utbildningsinformation": {
2600     "AntalPerioder": 1,
2601     "Benamning": {
2602         "sv": "Maskinnära programmering och datorarkitektur",
2603         "en": "Low Level Programming and Computer Architecture"
2604     },
2605     "Enhetskod": "HP",
2606     "FinansieringsformID": 101050,
2607     "LarosateID": 29,
2608     "Omfattningsvarde": "7.5",
2609     "PeriodIOrdning": "0",
2610     "Perioder": [
2611         {
2612             "Index": 1,
2613             "Omfattningsvarde": "7.5",
2614             "Slutdatum": "2008-05-26",
2615             "Startdatum": "2008-01-14",
2616             "Uid": "795d6a06-73da-11e8-afa7-8e408e694e54"
2617         }
2618     ],
2619     "Studielokalisering": {
2620         "sv": "Stockholm",
2621         "en": "Stockholm"
2622     },
2623     "Studielokaliseringrepresentation": {
2624         "Benamningar": {
2625             "sv": "Stockholm",
2626             "en": "Stockholm"
2627         },
2628         "Giltighetsperiod": {
2629             "Slutdatum": "2019-01-14",
2630             "Startdatum": "1917-10-19"
2631         },
2632         "ID": 131778,
2633         "Kod": "0180"
2634     },
2635     "StudieordningID": "1",
2636     "Studieperiod": {
2637         "Slutdatum": "2008-05-26",
2638         "Startdatum": "2008-01-14"
2639     },
2640     "Studietakt": {
2641         "Benamning": {
2642             "sv": "Helfart",
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2643     "en": "Full-time"
2644   },
2645   "Takt": 100
2646 },
2647 "Undervisningsform": {
2648   "Benamningar": {
2649     "sv": "Normal",
2650     "en": "Normal teaching"
2651   },
2652   "Giltighetsperiod": {},
2653   "ID": 1
2654 },
2655 "UtbildningUID": "39aba39c-73d8-11e8-afa7-8e408e694e54",
2656 "UtbildningensOmfattningsvarde": "7.5",
2657 "UtbildningsinstansUID": "399d99ec-73d8-11e8-b4e0-063f9afb40e3",
2658 "Utbildningskod": "DD2377",
2659 "UtbildningstillfalleUID": "795cf5a4-73da-11e8-b4e0-063f9afb40e3",
2660 "Utbildningstillfalleskod": "DD030",
2661 "Utbildningstillfallestyp": {
2662   "Benamningar": {
2663     "sv": "Kurstillfälle",
2664     "en": "Course instance"
2665   },
2666   "Giltighetsperiod": {},
2667   "Grundtyp": "KURS",
2668   "ID": 52,
2669   "Kod": "2007KTF",
2670   "RegelverkForUtbildningstyp": {
2671     "Regelvarden": [
2672       {
2673         "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
2674         "Varde": "varning"
2675       },
2676       {
2677         "Regelnamn": "commons.domain.regel.kan.utannonseras",
2678         "Varde": "true"
2679       },
2680       {
2681         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2682         "Varde": "true"
2683       },
2684       {
2685         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2686         "Varde": "true"
2687       },
2688       {
2689         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2690         "Varde": "grupp.for.utsokning.grundavanceradniva"
2691       }
2692     ]

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2693     },
2694     "Sjalvstandig": false
2695 },
2696 "Utbildningstyp": {
2697   "Benamningar": {
2698     "sv": "Kurs, avancerad nivå",
2699     "en": "Course, Second-cycle"
2700   },
2701   "Giltighetsperiod": {},
2702   "Grundtyp": "KURS",
2703   "ID": 24,
2704   "Kod": "2007AKURS",
2705   "RegelverkForUtbildningstyp": {
2706     "Regelvarden": [
2707       {
2708         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2709         "Varde": "true"
2710       },
2711       {
2712         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2713         "Varde": "grupp.for.utsokning.grundavanceradniva"
2714       },
2715       {
2716         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
2717         "Varde": "true"
2718       },
2719       {
2720         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2721         "Varde": "true"
2722       },
2723       {
2724         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2725         "Varde": "true"
2726       },
2727       {
2728         "Regelnamn": "commons.domain.regel.avbrottsregel",
2729         "Varde": "20"
2730       },
2731       {
2732         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2733         "Varde": "true"
2734       }
2735     ]
2736   },
2737   "Sjalvstandig": true
2738 },
2739 "Utbildningsversion": 1
2740 }
2741 },
2742 {

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2743     "Aterbud": false,
2744     "Avklarad": false,
2745     "HarTillgodoraknande": false,
2746     "LarosateID": 29,
2747     "Nuvarande": true,
2748     "Paborjad": true,
2749     "Perioddeltaganden": [
2750       {
2751         "Anpassat": false,
2752         "Omfattningsvarde": "6.0",
2753         "Periodbenamningar": {},
2754         "PerioddeltagandeUID": "991f5f8f-73f2-11e8-b9fd-0a821ba7448e",
2755         "Periodindex": 1,
2756         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2757         "UtbildningsPeriodFran": "2009-08-28",
2758         "UtbildningsPeriodTill": "2009-10-25"
2759       }
2760     ],
2761     "Sparrad": false,
2762     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
2763     "SummeradGodkandOmfattning": "0.0",
2764     "SummeradHeltTillgodoraknadOmfattning": "0.0",
2765     "SummeradTillgodoraknadOmfattning": "0.0",
2766     "TillstandKurs": {
2767       "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2768       "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2769       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
2770       "Utbildning": "studiedeltagande.domain.tillstandsdefinition.paborjad"
2771     },
2772     "Uid": "991f387c-73f2-11e8-b9fd-0a821ba7448e",
2773     "Utbildningsinformation": {
2774       "AntalPerioder": 1,
2775       "Benamning": {
2776         "sv": "Artificiell intelligens",
2777         "en": "Artificial Intelligence"
2778       },
2779       "Enhetskod": "HP",
2780       "FinansieringsformID": 101050,
2781       "LarosateID": 29,
2782       "Omfattningsvarde": "6.0",
2783       "PeriodIOrdning": "0",
2784       "Perioder": [
2785         {
2786           "Index": 1,
2787           "Omfattningsvarde": "6.0",
2788           "Slutdatum": "2009-10-25",
2789           "Startdatum": "2009-08-28",
2790           "Uid": "796161c6-73da-11e8-afa7-8e408e694e54"
2791         }
2792       ]

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2793     "Studielokalisering": {
2794         "sv": "Stockholm",
2795         "en": "Stockholm"
2796     },
2797     "Studielokaliseringrepresentation": {
2798         "Benamningar": {
2799             "sv": "Stockholm",
2800             "en": "Stockholm"
2801         },
2802         "Giltighetsperiod": {
2803             "Slutdatum": "2019-01-14",
2804             "Startdatum": "1917-10-19"
2805         },
2806         "ID": 131778,
2807         "Kod": "0180"
2808     },
2809     "StudieordningID": "1",
2810     "Studieperiod": {
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2812         "Startdatum": "2009-08-28"
2813     },
2814     "Studietakt": {
2815         "Benamning": {
2816             "sv": "Helfart",
2817             "en": "Full-time"
2818         },
2819         "Takt": 100
2820     },
2821     "Undervisningsform": {
2822         "Benamningar": {
2823             "sv": "Normal",
2824             "en": "Normal teaching"
2825         },
2826         "Giltighetsperiod": {},
2827         "ID": 1
2828     },
2829     "UtbildningUID": "39b65181-73d8-11e8-afa7-8e408e694e54",
2830     "UtbildningensOmfattningsvarde": "6.0",
2831     "UtbildningsinstansUID": "39a36652-73d8-11e8-b4e0-063f9afb40e3",
2832     "Utbildningskod": "DD2380",
2833     "UtbildningstillfalleUID": "79613b68-73da-11e8-b4e0-063f9afb40e3",
2834     "Utbildningstillfalleskod": "70325",
2835     "Utbildningstillfallestyp": {
2836         "Benamningar": {
2837             "sv": "Kurstillfälle",
2838             "en": "Course instance"
2839         },
2840         "Giltighetsperiod": {},
2841         "Grundtyp": "KURS",
2842         "ID": 52,

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2844     "RegelverkForUtbildningstyp": {
2845       "Regelvarden": [
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2848           "Varde": "varning"
2849         },
2850         {
2851           "Regelnamn": "commons.domain.regel.kan.utannonseras",
2852           "Varde": "true"
2853         },
2854         {
2855           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2856           "Varde": "true"
2857         },
2858         {
2859           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2860           "Varde": "true"
2861         },
2862         {
2863           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2864           "Varde": "grupp.for.utsokning.grundavanceradniva"
2865         }
2866       ]
2867     },
2868     "Sjalvstandig": false
2869   },
2870   "Utbildningstyp": {
2871     "Benamningar": {
2872       "sv": "Kurs, avancerad nivå",
2873       "en": "Course, Second-cycle"
2874     },
2875     "Giltighetsperiod": {},
2876     "Grundtyp": "KURS",
2877     "ID": 24,
2878     "Kod": "2007AKURS",
2879     "RegelverkForUtbildningstyp": {
2880       "Regelvarden": [
2881         {
2882           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2883           "Varde": "true"
2884         },
2885         {
2886           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2887           "Varde": "grupp.for.utsokning.grundavanceradniva"
2888         },
2889         {
2890           "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
2891           "Varde": "true"
2892         }
2893       ]
2894     }
2895   }
2896 }
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2893         {
2894             "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2895             "Varde": "true"
2896         },
2897         {
2898             "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2899             "Varde": "true"
2900         },
2901         {
2902             "Regelnamn": "commons.domain.regel.avbrottsregel",
2903             "Varde": "20"
2904         },
2905         {
2906             "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
2907             "Varde": "true"
2908         }
2909     ],
2910     "Sjalvstandig": true
2911 },
2912     "Utbildningsversion": 1
2913 },
2914 {
2915     "Aterbud": false,
2916     "Avklarad": true,
2917     "Godkannandedatum": "2010-06-16",
2918     "HarTillgodoraknande": false,
2919     "LarosateID": 29,
2920     "Nuvarande": true,
2921     "Paborjad": true,
2922     "Perioddeltaganden": [
2923         {
2924             "Anpassat": false,
2925             "Omfattningsvarde": "6.0",
2926             "Periodbenamningar": {},
2927             "PerioddeltagandeUID": "9933f96c-73f2-11e8-b9fd-0a821ba7448e",
2928             "Periodindex": 1,
2929             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
2930             "UtbildningsPeriodFran": "2010-03-22",
2931             "UtbildningsPeriodTill": "2010-05-29"
2932         }
2933     ],
2934     "Sparrad": false,
2935     "Studiestruktureferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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2937     "SummeradHeltTillgodoraknadOmfattning": "0.0",
2938     "SummeradTillgodoraknadOmfattning": "0.0",
2939     "TillstandKurs": {
2940         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",

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2943     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
2944     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
2945     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
2946 },
2947 "Uid": "9933d259-73f2-11e8-b9fd-0a821ba7448e",
2948 "Utbildningsinformation": {
2949     "AntalPerioder": 1,
2950     "Benamning": {
2951         "sv": "Programutvecklingsteknik",
2952         "en": "Software Engineering"
2953     },
2954     "Enhetskod": "HP",
2955     "FinansieringsformID": 101050,
2956     "LarosateID": 29,
2957     "Omfattningsvarde": "6.0",
2958     "PeriodIOrdning": "0",
2959     "Perioder": [
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2961             "Index": 1,
2962             "Omfattningsvarde": "6.0",
2963             "Slutdatum": "2010-05-29",
2964             "Startdatum": "2010-03-22",
2965             "Uid": "79727980-73da-11e8-afa7-8e408e694e54"
2966         }
2967     ],
2968     "Studielokalisering": {
2969         "sv": "Stockholm",
2970         "en": "Stockholm"
2971     },
2972     "Studielokaliseringrepresentation": {
2973         "Benamningar": {
2974             "sv": "Stockholm",
2975             "en": "Stockholm"
2976         },
2977         "Giltighetsperiod": {
2978             "Slutdatum": "2019-01-14",
2979             "Startdatum": "1917-10-19"
2980         },
2981         "ID": 131778,
2982         "Kod": "0180"
2983     },
2984     "StudieordningID": "1",
2985     "Studieperiod": {
2986         "Slutdatum": "2010-05-29",
2987         "Startdatum": "2010-03-22"
2988     },
2989     "Studietakt": {
2990         "Benamning": {
2991             "sv": "Halvfart",
2992             "en": "Half-time"
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2993     },
2994     "Takt": 50
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2996 "Undervisningsform": {
2997     "Benamningar": {
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3000     },
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3002     "ID": 1
3003 },
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3005 "UtbildningensOmfattningsvarde": "6.0",
3006 "UtbildningsinstansUID": "39ca9d4d-73d8-11e8-afa7-8e408e694e54",
3007 "Utbildningskod": "DD2385",
3008 "UtbildningstillfalleUID": "7972045d-73da-11e8-b4e0-063f9afb40e3",
3009 "Utbildningstillfalleskod": "80167",
3010 "Utbildningstillfallestyp": {
3011     "Benamningar": {
3012         "sv": "Kurstillfälle",
3013         "en": "Course instance"
3014     },
3015     "Giltighetsperiod": {},
3016     "Grundtyp": "KURS",
3017     "ID": 52,
3018     "Kod": "2007KTF",
3019     "RegelverkForUtbildningstyp": {
3020         "Regelvarden": [
3021             {
3022                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
3023                 "Varde": "varning"
3024             },
3025             {
3026                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
3027                 "Varde": "true"
3028             },
3029             {
3030                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3031                 "Varde": "true"
3032             },
3033             {
3034                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3035                 "Varde": "true"
3036             },
3037             {
3038                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3039                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3040             }
3041         ]
3042     },

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3045 "Utbildningstyp": {
3046   "Benamningar": {
3047     "sv": "Kurs, avancerad nivå",
3048     "en": "Course, Second-cycle"
3049   },
3050   "Giltighetsperiod": {},
3051   "Grundtyp": "KURS",
3052   "ID": 24,
3053   "Kod": "2007AKURS",
3054   "RegelverkForUtbildningstyp": {
3055     "Regelvarden": [
3056       {
3057         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
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3062         "Varde": "grupp.for.utsokning.grundavanceradniva"
3063       },
3064       {
3065         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
3066         "Varde": "true"
3067       },
3068       {
3069         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3070         "Varde": "true"
3071       },
3072       {
3073         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3074         "Varde": "true"
3075       },
3076       {
3077         "Regelnamn": "commons.domain.regel.avbrottsregel",
3078         "Varde": "20"
3079       },
3080       {
3081         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3082         "Varde": "true"
3083       }
3084     ]
3085   },
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3087 },
3088 "Utbildningsversion": 2
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3090 },
3091 {
3092   "Aterbud": false,
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3095     "HarTillgodoraknande": false,
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3098     "Paborjad": true,
3099     "Perioddeltaganden": [
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3101         "Anpassat": false,
3102         "Omfattningsvarde": "6.0",
3103         "Periodbenamningar": {},
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3105         "Periodindex": 1,
3106         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
3107         "UtbildningsPeriodFran": "2010-01-18",
3108         "UtbildningsPeriodTill": "2010-03-21"
3109       }
3110     ],
3111     "Sparrad": false,
3112     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
3113     "SummeradGodkandOmfattning": "6.0",
3114     "SummeradHeltTillgodoraknadOmfattning": "0.0",
3115     "SummeradTillgodoraknadOmfattning": "0.0",
3116     "TillstandKurs": {
3117       "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3118       "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3119       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
3120       "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
3121     },
3122     "Uid": "99402e3c-73f2-11e8-b9fd-0a821ba7448e",
3123     "Utbildningsinformation": {
3124       "AntalPerioder": 1,
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3126         "sv": "Datasäkerhet",
3127         "en": "Computer Security"
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3129       "Enhetskod": "HP",
3130       "FinansieringsformID": 101050,
3131       "LarosateID": 29,
3132       "Omfattningsvarde": "6.0",
3133       "PeriodIOrdning": "0",
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3136           "Index": 1,
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3140           "Uid": "79a9402f-73da-11e8-afa7-8e408e694e54"
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3142       ]

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3145         "en": "Stockholm"
3146     },
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3150             "en": "Stockholm"
3151         },
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3154             "Startdatum": "1917-10-19"
3155         },
3156         "ID": 131778,
3157         "Kod": "0180"
3158     },
3159     "StudieordningID": "1",
3160     "Studieperiod": {
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3162         "Startdatum": "2010-01-18"
3163     },
3164     "Studietakt": {
3165         "Benamning": {
3166             "sv": "Helfart",
3167             "en": "Full-time"
3168         },
3169         "Takt": 100
3170     },
3171     "Undervisningsform": {
3172         "Benamningar": {
3173             "sv": "Normal",
3174             "en": "Normal teaching"
3175         },
3176         "Giltighetsperiod": {},
3177         "ID": 1
3178     },
3179     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
3180     "UtbildningensOmfattningsvarde": "6.0",
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3182     "Utbildningskod": "DD2395",
3183     "UtbildningstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
3184     "Utbildningstillfalleskod": "81099",
3185     "Utbildningstillfallestyp": {
3186         "Benamningar": {
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3188             "en": "Course instance"
3189         },
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3191         "Grundtyp": "KURS",
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3194     "RegelverkForUtbildningstyp": {
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3200         {
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3202           "Varde": "true"
3203         },
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3206           "Varde": "true"
3207         },
3208         {
3209           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3210           "Varde": "true"
3211         },
3212         {
3213           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3214           "Varde": "grupp.for.utsokning.grundavanceradniva"
3215         }
3216       ]
3217     },
3218     "Sjalvstandig": false
3219   },
3220   "Utbildningstyp": {
3221     "Benamningar": {
3222       "sv": "Kurs, avancerad nivå",
3223       "en": "Course, Second-cycle"
3224     },
3225     "Giltighetsperiod": {},
3226     "Grundtyp": "KURS",
3227     "ID": 24,
3228     "Kod": "2007AKURS",
3229     "RegelverkForUtbildningstyp": {
3230       "Regelvarden": [
3231         {
3232           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3233           "Varde": "true"
3234         },
3235         {
3236           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3237           "Varde": "grupp.for.utsokning.grundavanceradniva"
3238         },
3239         {
3240           "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
3241           "Varde": "true"
3242         }

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3243         {
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3245             "Varde": "true"
3246         },
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3248             "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3249             "Varde": "true"
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3251         {
3252             "Regelnamn": "commons.domain.regel.avbrottsregel",
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3254         },
3255         {
3256             "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3257             "Varde": "true"
3258         }
3259     ],
3260     },
3261     "Sjalvstandig": true
3262 },
3263     "Utbildningsversion": 1
3264 }
3265 },
3266 {
3267     "Aterbud": false,
3268     "Avklarad": true,
3269     "Godkannandedatum": "2010-10-28",
3270     "HarTillgodoraknande": false,
3271     "LarosateID": 29,
3272     "Nuvarande": true,
3273     "Paborjad": true,
3274     "Perioddeltaganden": [
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3282             "UtbildningsPeriodFran": "2010-08-27",
3283             "UtbildningsPeriodTill": "2010-10-24"
3284         }
3285     ],
3286     "Sparrad": false,
3287     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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3289     "SummeradHeltTillgodoraknadOmfattning": "0.0",
3290     "SummeradTillgodoraknadOmfattning": "0.0",
3291     "TillstandKurs": {
3292         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",

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3293     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3294     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
3295     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
3296 },
3297 "UId": "9951ba4e-73f2-11e8-b9fd-0a821ba7448e",
3298 "Utbildningsinformation": {
3299     "AntalPerioder": 1,
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3301         "sv": "Maskininlärning",
3302         "en": "Machine Learning"
3303     },
3304     "Enhetskod": "HP",
3305     "FinansieringsformID": 101050,
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3315             "UId": "7a2e9d97-73da-11e8-afa7-8e408e694e54"
3316         }
3317     ],
3318     "Studielokalisering": {
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3320         "en": "Stockholm"
3321     },
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3324             "sv": "Stockholm",
3325             "en": "Stockholm"
3326         },
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3329             "Startdatum": "1917-10-19"
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3331         "ID": 131778,
3332         "Kod": "0180"
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3335     "Studieperiod": {
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3337         "Startdatum": "2010-08-27"
3338     },
3339     "Studietakt": {
3340         "Benamning": {
3341             "sv": "Helfart",
3342             "en": "Full-time"
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3343     },
3344     "Takt": 100
3345 },
3346 "Undervisningsform": {
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3352     "ID": 1
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3355 "UtbildningensOmfattningsvarde": "6.0",
3356 "UtbildningsinstansUID": "3a2a972f-73d8-11e8-afa7-8e408e694e54",
3357 "Utbildningskod": "DD2431",
3358 "UtbildningstillfalleUID": "7a2e4e9d-73da-11e8-b4e0-063f9afb40e3",
3359 "Utbildningstillfalleskod": "90313",
3360 "Utbildningstillfallestyp": {
3361     "Benamningar": {
3362         "sv": "Kurstillfälle",
3363         "en": "Course instance"
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3366     "Grundtyp": "KURS",
3367     "ID": 52,
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3373                 "Varde": "varning"
3374             },
3375             {
3376                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
3377                 "Varde": "true"
3378             },
3379             {
3380                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3381                 "Varde": "true"
3382             },
3383             {
3384                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3385                 "Varde": "true"
3386             },
3387             {
3388                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3389                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3390             }
3391         ]
3392     },

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3393     "Sjalvstandig": false
3394 },
3395 "Utbildningstyp": {
3396   "Benamningar": {
3397     "sv": "Kurs, avancerad nivå",
3398     "en": "Course, Second-cycle"
3399   },
3400   "Giltighetsperiod": {},
3401   "Grundtyp": "KURS",
3402   "ID": 24,
3403   "Kod": "2007AKURS",
3404   "RegelverkForUtbildningstyp": {
3405     "Regelvarden": [
3406       {
3407         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3408         "Varde": "true"
3409       },
3410       {
3411         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3412         "Varde": "grupp.for.utsokning.grundavanceradniva"
3413       },
3414       {
3415         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
3416         "Varde": "true"
3417       },
3418       {
3419         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3420         "Varde": "true"
3421       },
3422       {
3423         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3424         "Varde": "true"
3425       },
3426       {
3427         "Regelnamn": "commons.domain.regel.avbrottsregel",
3428         "Varde": "20"
3429       },
3430       {
3431         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3432         "Varde": "true"
3433       }
3434     ]
3435   },
3436   "Sjalvstandig": true
3437 },
3438 "Utbildningsversion": 2
3439 }
3440 },
3441 {
3442   "Aterbud": false,
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3443     "Avklarad": true,
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3445     "HarTillgodoraknande": false,
3446     "LarosateID": 29,
3447     "Nuvarande": true,
3448     "Paborjad": true,
3449     "Perioddeltaganden": [
3450       {
3451         "Anpassat": false,
3452         "Omfattningsvarde": "7.5",
3453         "Periodbenamningar": {},
3454         "PerioddeltagandeUID": "995cb6b0-73f2-11e8-b9fd-0a821ba7448e",
3455         "Periodindex": 1,
3456         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
3457         "UtbildningsPeriodFran": "2010-01-18",
3458         "UtbildningsPeriodTill": "2010-03-21"
3459       }
3460     ],
3461     "Sparrad": false,
3462     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
3463     "SummeradGodkandOmfattning": "7.5",
3464     "SummeradHeltTillgodoraknadOmfattning": "0.0",
3465     "SummeradTillgodoraknadOmfattning": "0.0",
3466     "TillstandKurs": {
3467       "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3468       "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3469       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
3470       "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
3471     },
3472     "Uid": "995cb6af-73f2-11e8-b9fd-0a821ba7448e",
3473     "Utbildningsinformation": {
3474       "AntalPerioder": 1,
3475       "Benamning": {
3476         "sv": "Kryptografins grunder",
3477         "en": "Foundations of Cryptography"
3478       },
3479       "Enhetskod": "HP",
3480       "FinansieringsformID": 101050,
3481       "LarosateID": 29,
3482       "Omfattningsvarde": "7.5",
3483       "PeriodIOrdning": "0",
3484       "Perioder": [
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3486           "Index": 1,
3487           "Omfattningsvarde": "7.5",
3488           "Slutdatum": "2010-03-21",
3489           "Startdatum": "2010-01-18",
3490           "Uid": "7a86ced1-73da-11e8-afa7-8e408e694e54"
3491         }
3492       ],

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3493     "Studielokalisering": {
3494         "sv": "Stockholm",
3495         "en": "Stockholm"
3496     },
3497     "Studielokaliseringrepresentation": {
3498         "Benamningar": {
3499             "sv": "Stockholm",
3500             "en": "Stockholm"
3501         },
3502         "Giltighetsperiod": {
3503             "Slutdatum": "2019-01-14",
3504             "Startdatum": "1917-10-19"
3505         },
3506         "ID": 131778,
3507         "Kod": "0180"
3508     },
3509     "StudieordningID": "1",
3510     "Studieperiod": {
3511         "Slutdatum": "2010-03-21",
3512         "Startdatum": "2010-01-18"
3513     },
3514     "Studietakt": {
3515         "Benamning": {
3516             "sv": "Helfart",
3517             "en": "Full-time"
3518         },
3519         "Takt": 100
3520     },
3521     "Undervisningsform": {
3522         "Benamningar": {
3523             "sv": "Normal",
3524             "en": "Normal teaching"
3525         },
3526         "Giltighetsperiod": {},
3527         "ID": 1
3528     },
3529     "UtbildningUID": "3a45c0c8-73d8-11e8-afa7-8e408e694e54",
3530     "UtbildningensOmfattningsvarde": "7.5",
3531     "UtbildningsinstansUID": "3a3ff422-73d8-11e8-b4e0-063f9afb40e3",
3532     "Utbildningskod": "DD2448",
3533     "UtbildningstillfalleUID": "7a865a37-73da-11e8-b4e0-063f9afb40e3",
3534     "Utbildningstillfalleskod": "81084",
3535     "Utbildningstillfallestyp": {
3536         "Benamningar": {
3537             "sv": "Kurstillfälle",
3538             "en": "Course instance"
3539         },
3540         "Giltighetsperiod": {},
3541         "Grundtyp": "KURS",
3542         "ID": 52,

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3548           "Varde": "varning"
3549         },
3550         {
3551           "Regelnamn": "commons.domain.regel.kan.utannonseras",
3552           "Varde": "true"
3553         },
3554         {
3555           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3556           "Varde": "true"
3557         },
3558         {
3559           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3560           "Varde": "true"
3561         },
3562         {
3563           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3564           "Varde": "grupp.for.utsokning.grundavanceradniva"
3565         }
3566       ]
3567     },
3568     "Sjalvstandig": false
3569   },
3570   "Utbildningstyp": {
3571     "Benamningar": {
3572       "sv": "Kurs, avancerad nivå",
3573       "en": "Course, Second-cycle"
3574     },
3575     "Giltighetsperiod": {},
3576     "Grundtyp": "KURS",
3577     "ID": 24,
3578     "Kod": "2007AKURS",
3579     "RegelverkForUtbildningstyp": {
3580       "Regelvarden": [
3581         {
3582           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3583           "Varde": "true"
3584         },
3585         {
3586           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3587           "Varde": "grupp.for.utsokning.grundavanceradniva"
3588         },
3589         {
3590           "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
3591           "Varde": "true"
3592         }

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3593     {
3594         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3595         "Varde": "true"
3596     },
3597     {
3598         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3599         "Varde": "true"
3600     },
3601     {
3602         "Regelnamn": "commons.domain.regel.avbrottsregel",
3603         "Varde": "20"
3604     },
3605     {
3606         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3607         "Varde": "true"
3608     }
3609 ],
3610 },
3611 "Sjalvstandig": true
3612 },
3613 "Utbildningsversion": 1
3614 }
3615 },
3616 {
3617     "Aterbud": false,
3618     "Avklarad": true,
3619     "Godkannandedatum": "2009-06-15",
3620     "HarTillgodoraknande": false,
3621     "LarosateID": 29,
3622     "Nuvarande": true,
3623     "Paborjad": true,
3624     "Perioddeltaganden": [
3625         {
3626             "Anpassat": false,
3627             "Omfattningsvarde": "7.5",
3628             "Periodbenamningar": {},
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3630             "Periodindex": 1,
3631             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
3632             "UtbildningsPeriodFran": "2009-01-12",
3633             "UtbildningsPeriodTill": "2009-05-27"
3634         }
3635     ],
3636     "Sparrad": false,
3637     "Studiestruktureferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
3638     "SummeradGodkandOmfattning": "7.5",
3639     "SummeradHeltTillgodoraknadOmfattning": "0.0",
3640     "SummeradTillgodoraknadOmfattning": "0.0",
3641     "TillstandKurs": {
3642         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",

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3643     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3644     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
3645     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
3646 },
3647 "Uid": "9964a599-73f2-11e8-b9fd-0a821ba7448e",
3648 "Utbildningsinformation": {
3649     "AntalPerioder": 1,
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3652         "en": "Communication and Media"
3653     },
3654     "Enhetskod": "HP",
3655     "FinansieringsformID": 101050,
3656     "LarosateID": 29,
3657     "Omfattningsvarde": "7.5",
3658     "PeriodIOrdning": "0",
3659     "Perioder": [
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3661             "Index": 1,
3662             "Omfattningsvarde": "7.5",
3663             "Slutdatum": "2009-05-27",
3664             "Startdatum": "2009-01-12",
3665             "Uid": "7b83ccf4-73da-11e8-afa7-8e408e694e54"
3666         }
3667     ],
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3670         "en": "Stockholm"
3671     },
3672     "Studielokaliseringrepresentation": {
3673         "Benamningar": {
3674             "sv": "Stockholm",
3675             "en": "Stockholm"
3676         },
3677         "Giltighetsperiod": {
3678             "Slutdatum": "2019-01-14",
3679             "Startdatum": "1917-10-19"
3680         },
3681         "ID": 131778,
3682         "Kod": "0180"
3683     },
3684     "StudieordningID": "1",
3685     "Studieperiod": {
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3687         "Startdatum": "2009-01-12"
3688     },
3689     "Studietakt": {
3690         "Benamning": {
3691             "sv": "Helfart",
3692             "en": "Full-time"
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3693     },
3694     "Takt": 100
3695 },
3696 "Undervisningsform": {
3697     "Benamningar": {
3698         "sv": "Normal",
3699         "en": "Normal teaching"
3700     },
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3702     "ID": 1
3703 },
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3705 "UtbildningensOmfattningsvarde": "7.5",
3706 "UtbildningsinstansUID": "3b1b5fcb-73d8-11e8-afa7-8e408e694e54",
3707 "Utbildningskod": "DH1601",
3708 "UtbildningstillfalleUID": "7b837e74-73da-11e8-b4e0-063f9afb40e3",
3709 "Utbildningstillfalleskod": "60323",
3710 "Utbildningstillfallestyp": {
3711     "Benamningar": {
3712         "sv": "Kurstillfälle",
3713         "en": "Course instance"
3714     },
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3716     "Grundtyp": "KURS",
3717     "ID": 52,
3718     "Kod": "2007KTF",
3719     "RegelverkForUtbildningstyp": {
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3721             {
3722                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
3723                 "Varde": "varning"
3724             },
3725             {
3726                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
3727                 "Varde": "true"
3728             },
3729             {
3730                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3731                 "Varde": "true"
3732             },
3733             {
3734                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3735                 "Varde": "true"
3736             },
3737             {
3738                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3739                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3740             }
3741         ]
3742     },

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3743     "Sjalvstandig": false
3744 },
3745 "Utbildningstyp": {
3746   "Benamningar": {
3747     "sv": "Kurs, grundnivå",
3748     "en": "Course, First-cycle"
3749   },
3750   "Giltighetsperiod": {},
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3752   "ID": 22,
3753   "Kod": "2007GKURS",
3754   "RegelverkForUtbildningstyp": {
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3756       {
3757         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3758         "Varde": "true"
3759       },
3760       {
3761         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3762         "Varde": "true"
3763       },
3764       {
3765         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3766         "Varde": "true"
3767       },
3768       {
3769         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
3770         "Varde": "true"
3771       },
3772       {
3773         "Regelnamn": "commons.domain.regel.avbrottsregel",
3774         "Varde": "20"
3775       },
3776       {
3777         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3778         "Varde": "grupp.for.utsokning.grundavanceradniva"
3779       },
3780       {
3781         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3782         "Varde": "true"
3783       }
3784     ]
3785   },
3786   "Sjalvstandig": true
3787 },
3788 "Utbildningsversion": 2
3789 }
3790 },
3791 {
3792   "Aterbud": false,
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3795     "HarTillgodoraknande": false,
3796     "LarosateID": 29,
3797     "Nuvarande": false,
3798     "Paborjad": true,
3799     "Perioddeltaganden": [
3800       {
3801         "Anpassat": false,
3802         "Omfattningsvarde": "6.0",
3803         "Periodbenamningar": {},
3804         "PerioddeltagandeUID": "996ff03a-73f2-11e8-b9fd-0a821ba7448e",
3805         "Periodindex": 1,
3806         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
3807         "UtbildningsPeriodFran": "2007-08-31",
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3809       }
3810     ],
3811     "Sparrad": false,
3812     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
3813     "SummeradGodkandOmfattning": "6.0",
3814     "SummeradHeltTillgodoraknadOmfattning": "0.0",
3815     "SummeradTillgodoraknadOmfattning": "0.0",
3816     "TillstandKurs": {
3817       "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3818       "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3819       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
3820       "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
3821     },
3822     "UId": "996fa213-73f2-11e8-b9fd-0a821ba7448e",
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3827         "en": "Learning and ICT, Project Course"
3828       },
3829       "Enhetskod": "HP",
3830       "FinansieringsformID": 101050,
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3833       "PeriodIOrdning": "0",
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3838           "Slutdatum": "2008-01-11",
3839           "Startdatum": "2007-08-31",
3840           "UId": "7b8fda64-73da-11e8-afa7-8e408e694e54"
3841         }
3842       ],

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3844         "sv": "Stockholm",
3845         "en": "Stockholm"
3846     },
3847     "Studielokaliseringrepresentation": {
3848         "Benamningar": {
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3850             "en": "Stockholm"
3851         },
3852         "Giltighetsperiod": {
3853             "Slutdatum": "2019-01-14",
3854             "Startdatum": "1917-10-19"
3855         },
3856         "ID": 131778,
3857         "Kod": "0180"
3858     },
3859     "StudieordningID": "1",
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3862         "Startdatum": "2007-08-31"
3863     },
3864     "Studietakt": {
3865         "Benamning": {
3866             "sv": "Helfart",
3867             "en": "Full-time"
3868         },
3869         "Takt": 100
3870     },
3871     "Undervisningsform": {
3872         "Benamningar": {
3873             "sv": "Normal",
3874             "en": "Normal teaching"
3875         },
3876         "Giltighetsperiod": {},
3877         "ID": 1
3878     },
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3881     "UtbildningsinstansUID": "3b0259b8-73d8-11e8-b4e0-063f9afb40e3",
3882     "Utbildningskod": "DH1607",
3883     "UtbildningstillfalleUID": "7b8f8c71-73da-11e8-b4e0-063f9afb40e3",
3884     "Utbildningstillfalleskod": "DH004",
3885     "Utbildningstillfallestyp": {
3886         "Benamningar": {
3887             "sv": "Kurstillfälle",
3888             "en": "Course instance"
3889         },
3890         "Giltighetsperiod": {},
3891         "Grundtyp": "KURS",
3892         "ID": 52,
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3894     "RegelverkForUtbildningstyp": {
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3899         },
3900         {
3901           "Regelnamn": "commons.domain.regel.kan.utannonseras",
3902           "Varde": "true"
3903         },
3904         {
3905           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3906           "Varde": "true"
3907         },
3908         {
3909           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3910           "Varde": "true"
3911         },
3912         {
3913           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3914           "Varde": "grupp.for.utsokning.grundavanceradniva"
3915         }
3916       ]
3917     },
3918     "Sjalvstandig": false
3919   },
3920   "Utbildningstyp": {
3921     "Benamningar": {
3922       "sv": "Kurs, grundnivå",
3923       "en": "Course, First-cycle"
3924     },
3925     "Giltighetsperiod": {},
3926     "Grundtyp": "KURS",
3927     "ID": 22,
3928     "Kod": "2007GKURS",
3929     "RegelverkForUtbildningstyp": {
3930       "Regelvarden": [
3931         {
3932           "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3933           "Varde": "true"
3934         },
3935         {
3936           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3937           "Varde": "true"
3938         },
3939         {
3940           "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3941           "Varde": "true"
3942         }

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3943     {
3944         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
3945         "Varde": "true"
3946     },
3947     {
3948         "Regelnamn": "commons.domain.regel.avbrottsregel",
3949         "Varde": "20"
3950     },
3951     {
3952         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3953         "Varde": "grupp.for.utsokning.grundavanceradniva"
3954     },
3955     {
3956         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
3957         "Varde": "true"
3958     }
3959 ],
3960 },
3961 "Sjalvstandig": true
3962 },
3963 "Utbildningsversion": 1
3964 }
3965 },
3966 {
3967     "Aterbud": false,
3968     "Avklarad": true,
3969     "ForegaendeTillfallesdeltagandeUID": "996fa213-73f2-11e8-b9fd-0a821ba7448e",
3970     "Godkannandedatum": "2008-12-22",
3971     "HarTillgodoraknande": false,
3972     "LarosateID": 29,
3973     "Nuvarande": true,
3974     "Paborjad": true,
3975     "Perioddeltaganden": [
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3978             "Omfattningsvarde": "6.0",
3979             "Periodbenamningar": {},
3980             "PerioddeltagandeUID": "997bd740-73f2-11e8-b9fd-0a821ba7448e",
3981             "Periodindex": 1,
3982             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.omregistrerad",
3983             "UtbildningsPeriodFran": "2008-08-29",
3984             "UtbildningsPeriodTill": "2009-01-10"
3985         }
3986     ],
3987     "Sparrad": false,
3988     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
3989     "SummeradGodkandOmfattning": "6.0",
3990     "SummeradHeltTillgodoraknadOmfattning": "0.0",
3991     "SummeradTillgodoraknadOmfattning": "0.0",
3992     "TillstandKurs": {

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3993     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3994     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
3995     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
3996     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
3997 },
3998 "UId": "997bd741-73f2-11e8-b9fd-0a821ba7448e",
3999 "Utbildningsinformation": {
4000     "AntalPerioder": 1,
4001     "Benamning": {
4002         "sv": "Lärande och IKT, projektkurs",
4003         "en": "Learning and ICT, Project Course"
4004     },
4005     "Enhetskod": "HP",
4006     "LarosateID": 29,
4007     "Omfattningsvarde": "6.0",
4008     "PeriodIOrdning": "0",
4009     "Perioder": [
4010         {
4011             "Index": 1,
4012             "Omfattningsvarde": "6.0",
4013             "Slutdatum": "2009-01-10",
4014             "Startdatum": "2008-08-29",
4015             "UId": "05472211-73db-11e8-afa7-8e408e694e54"
4016         }
4017     ],
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4019     "Studieperiod": {
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4021         "Startdatum": "2008-08-29"
4022     },
4023     "UtbildningUID": "3b0a48c1-73d8-11e8-afa7-8e408e694e54",
4024     "UtbildningensOmfattningsvarde": "6.0",
4025     "UtbildningsinstansUID": "3b0259b8-73d8-11e8-b4e0-063f9afb40e3",
4026     "Utbildningskod": "DH1607",
4027     "UtbildningstillfalleUID": "054610ad-73db-11e8-b4e0-063f9afb40e3",
4028     "Utbildningstillfalleskod": "KONV-00D0B2",
4029     "Utbildningstillfallestyp": {
4030         "Benamningar": {
4031             "sv": "Kurstillfälle",
4032             "en": "Course instance"
4033         },
4034         "Giltighetsperiod": {},
4035         "Grundtyp": "KURS",
4036         "ID": 52,
4037         "Kod": "2007KTF",
4038         "RegelverkForUtbildningstyp": {
4039             "Regelvarden": [
4040                 {
4041                     "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
4042                     "Varde": "varning"

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4043     },
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4046         "Varde": "true"
4047     },
4048     {
4049         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4050         "Varde": "true"
4051     },
4052     {
4053         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4054         "Varde": "true"
4055     },
4056     {
4057         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4058         "Varde": "grupp.for.utsokning.grundavanceradniva"
4059     }
4060 ]
4061 },
4062 "Sjalvstandig": false
4063 },
4064 "Utbildningstyp": {
4065     "Benamningar": {
4066         "sv": "Kurs, grundnivå",
4067         "en": "Course, First-cycle"
4068     },
4069     "Giltighetsperiod": {},
4070     "Grundtyp": "KURS",
4071     "ID": 22,
4072     "Kod": "2007GKURS",
4073     "RegelverkForUtbildningstyp": {
4074         "Regelvarden": [
4075             {
4076                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
4077                 "Varde": "true"
4078             },
4079             {
4080                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4081                 "Varde": "true"
4082             },
4083             {
4084                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
4085                 "Varde": "true"
4086             },
4087             {
4088                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
4089                 "Varde": "true"
4090             },
4091             {
4092                 "Regelnamn": "commons.domain.regel.avbrottsregel",

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4093         "Varde": "20"
4094     },
4095     {
4096         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4097         "Varde": "grupp.for.utsokning.grundavanceradniva"
4098     },
4099     {
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4101         "Varde": "true"
4102     }
4103 ]
4104 },
4105 "Sjalvstandig": true
4106 },
4107 "Utbildningsversion": 1
4108 }
4109 },
4110 {
4111     "Aterbud": false,
4112     "Avklarad": true,
4113     "Godkannandedatum": "2009-11-23",
4114     "HarTillgodoraknande": false,
4115     "LarosateID": 29,
4116     "Nuvarande": true,
4117     "Paborjad": true,
4118     "Perioddeltaganden": [
4119         {
4120             "Anpassat": false,
4121             "Omfattningsvarde": "6.0",
4122             "Periodbenamningar": {},
4123             "PerioddeltagandeUID": "998748fe-73f2-11e8-b9fd-0a821ba7448e",
4124             "Periodindex": 1,
4125             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
4126             "UtbildningsPeriodFran": "2009-08-28",
4127             "UtbildningsPeriodTill": "2009-11-01"
4128         }
4129     ],
4130     "Sparrad": false,
4131     "Studiestruktureferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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4133     "SummeradHeltTillgodoraknadOmfattning": "0.0",
4134     "SummeradTillgodoraknadOmfattning": "0.0",
4135     "TillstandKurs": {
4136         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
4137         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
4138         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
4139         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
4140     },
4141     "Uid": "9986d3c0-73f2-11e8-b9fd-0a821ba7448e",
4142     "Utbildningsinformation": {

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4143     "AntalPerioder": 1,
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4145       "sv": "Språkteknologi",
4146       "en": "Language Engineering"
4147     },
4148     "Enhetskod": "HP",
4149     "FinansieringsformID": 101050,
4150     "LarosateID": 29,
4151     "Omfattningsvarde": "6.0",
4152     "PeriodIOrdning": "0",
4153     "Perioder": [
4154       {
4155         "Index": 1,
4156         "Omfattningsvarde": "6.0",
4157         "Slutdatum": "2009-11-01",
4158         "Startdatum": "2009-08-28",
4159         "Uid": "7bf94b4f-73da-11e8-afa7-8e408e694e54"
4160       }
4161     ],
4162     "Studielokalisering": {
4163       "sv": "Stockholm",
4164       "en": "Stockholm"
4165     },
4166     "Studielokaliseringrepresentation": {
4167       "Benamningar": {
4168         "sv": "Stockholm",
4169         "en": "Stockholm"
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4171       "Giltighetsperiod": {
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4174       },
4175       "ID": 131778,
4176       "Kod": "0180"
4177     },
4178     "StudieordningID": "1",
4179     "Studieperiod": {
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4181       "Startdatum": "2009-08-28"
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4183     "Studietakt": {
4184       "Benamning": {
4185         "sv": "Halvfart",
4186         "en": "Half-time"
4187       },
4188       "Takt": 50
4189     },
4190     "Undervisningsform": {
4191       "Benamningar": {
4192         "sv": "Normal",
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4193         "en": "Normal teaching"
4194     },
4195     "Giltighetsperiod": {},
4196     "ID": 1
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4199 "UtbildningensOmfattningsvarde": "6.0",
4200 "UtbildningsinstansUID": "3b3529d4-73d8-11e8-b4e0-063f9afb40e3",
4201 "Utbildningskod": "DH2418",
4202 "UtbildningstillfalleUID": "7bf8d63b-73da-11e8-b4e0-063f9afb40e3",
4203 "Utbildningstillfalleskod": "70349",
4204 "Utbildningstillfallestyp": {
4205     "Benamningar": {
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4207         "en": "Course instance"
4208     },
4209     "Giltighetsperiod": {},
4210     "Grundtyp": "KURS",
4211     "ID": 52,
4212     "Kod": "2007KTF",
4213     "RegelverkForUtbildningstyp": {
4214         "Regelvarden": [
4215             {
4216                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
4217                 "Varde": "varning"
4218             },
4219             {
4220                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
4221                 "Varde": "true"
4222             },
4223             {
4224                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4225                 "Varde": "true"
4226             },
4227             {
4228                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4229                 "Varde": "true"
4230             },
4231             {
4232                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4233                 "Varde": "grupp.for.utsokning.grundavanceradniva"
4234             }
4235         ]
4236     },
4237     "Sjalvstandig": false
4238 },
4239 "Utbildningstyp": {
4240     "Benamningar": {
4241         "sv": "Kurs, avancerad nivå",
4242         "en": "Course, Second-cycle"

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4246     "ID": 24,
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4253         },
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4256           "Varde": "grupp.for.utsokning.grundavanceradniva"
4257         },
4258         {
4259           "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
4260           "Varde": "true"
4261         },
4262         {
4263           "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
4264           "Varde": "true"
4265         },
4266         {
4267           "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
4268           "Varde": "true"
4269         },
4270         {
4271           "Regelnamn": "commons.domain.regel.avbrottsregel",
4272           "Varde": "20"
4273         },
4274         {
4275           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4276           "Varde": "true"
4277         }
4278       ]
4279     },
4280     "Sjalvstandig": true
4281   },
4282   "Utbildningsversion": 1
4283 }
4284 },
4285 {
4286   "Aterbud": false,
4287   "Avklarad": true,
4288   "Godkannandedatum": "2010-12-15",
4289   "HarTillgodoraknande": false,
4290   "LarosateID": 29,
4291   "Nuvarande": true,
4292   "Paborjad": true,

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4296         "Omfattningsvarde": "4.5",
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4300         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
4301         "UtbildningsPeriodFran": "2010-08-27",
4302         "UtbildningsPeriodTill": "2010-12-26"
4303     }
4304 ],
4305 "Sparrad": false,
4306 "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
4307 "SummeradGodkandOmfattning": "4.5",
4308 "SummeradHeltTillgodoraknadOmfattning": "0.0",
4309 "SummeradTillgodoraknadOmfattning": "0.0",
4310 "TillstandKurs": {
4311     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
4312     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
4313     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
4314     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
4315 },
4316 "Uid": "99924577-73f2-11e8-b9fd-0a821ba7448e",
4317 "Utbildningsinformation": {
4318     "AntalPerioder": 1,
4319     "Benamning": {
4320         "sv": "Vetenskap, teknik och lärande, del II, inkl VFU",
4321         "en": "Science, Technology and Learning, part II, incl Teaching Practice"
4322     },
4323     "Enhetskod": "HP",
4324     "FinansieringsformID": 101050,
4325     "LarosateID": 29,
4326     "Omfattningsvarde": "4.5",
4327     "PeriodIOrdning": "0",
4328     "Perioder": [
4329     {
4330         "Index": 1,
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4332         "Slutdatum": "2010-12-26",
4333         "Startdatum": "2010-08-27",
4334         "Uid": "7c1f709a-73da-11e8-afa7-8e408e694e54"
4335     }
4336 ],
4337 "Studielokalisering": {
4338     "sv": "Stockholm",
4339     "en": "Stockholm"
4340 },
4341 "Studielokaliseringrepresentation": {
4342     "Benamningar": {

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4343     "sv": "Stockholm",
4344     "en": "Stockholm"
4345 },
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4348     "Startdatum": "1917-10-19"
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4350 "ID": 131778,
4351 "Kod": "0180"
4352 },
4353 "StudieordningID": "1",
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4356     "Startdatum": "2010-08-27"
4357 },
4358 "Studietakt": {
4359     "Benamning": {
4360         "sv": "Kvartsfart",
4361         "en": "One-quarter-time"
4362     },
4363     "Takt": 25
4364 },
4365 "Undervisningsform": {
4366     "Benamningar": {
4367         "sv": "Normal",
4368         "en": "Normal teaching"
4369     },
4370     "Giltighetsperiod": {},
4371     "ID": 1
4372 },
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4374 "UtbildningsOmfattningsvarde": "4.5",
4375 "UtbildningsinstansUID": "3b4d6cf2-73d8-11e8-b4e0-063f9afb40e3",
4376 "Utbildningskod": "DH2605",
4377 "UtbildningstillfalleUID": "7c1d747a-73da-11e8-b4e0-063f9afb40e3",
4378 "Utbildningstillfalleskod": "90329",
4379 "Utbildningstillfallestyp": {
4380     "Benamningar": {
4381         "sv": "Kurstillfälle",
4382         "en": "Course instance"
4383     },
4384     "Giltighetsperiod": {},
4385     "Grundtyp": "KURS",
4386     "ID": 52,
4387     "Kod": "2007KTF",
4388     "RegelverkForUtbildningstyp": {
4389         "Regelvarden": [
4390             {
4391                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
4392                 "Varde": "varning"

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4393     },
4394     {
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4396       "Varde": "true"
4397     },
4398     {
4399       "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4400       "Varde": "true"
4401     },
4402     {
4403       "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4404       "Varde": "true"
4405     },
4406     {
4407       "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4408       "Varde": "grupp.for.utsokning.grundavanceradniva"
4409     }
4410   ]
4411 },
4412 "Sjalvstandig": false
4413 },
4414 "Utbildningstyp": {
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4416     "sv": "Kurs, avancerad nivå",
4417     "en": "Course, Second-cycle"
4418   },
4419   "Giltighetsperiod": {},
4420   "Grundtyp": "KURS",
4421   "ID": 24,
4422   "Kod": "2007AKURS",
4423   "RegelverkForUtbildningstyp": {
4424     "Regelvarden": [
4425       {
4426         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4427         "Varde": "true"
4428       },
4429       {
4430         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4431         "Varde": "grupp.for.utsokning.grundavanceradniva"
4432       },
4433       {
4434         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
4435         "Varde": "true"
4436       },
4437       {
4438         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
4439         "Varde": "true"
4440       },
4441       {
4442         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
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4443         "Varde": "true"
4444     },
4445     {
4446         "Regelnamn": "commons.domain.regel.avbrottsregel",
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4448     },
4449     {
4450         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4451         "Varde": "true"
4452     }
4453 ]
4454 },
4455 "Sjalvstandig": true
4456 },
4457 "Utbildningsversion": 1
4458 }
4459 },
4460 {
4461     "Aterbud": false,
4462     "Avklarad": true,
4463     "Godkannandedatum": "2008-12-10",
4464     "HarTillgodoraknande": false,
4465     "LarosateID": 29,
4466     "Nuvarande": true,
4467     "Paborjad": true,
4468     "Perioddeltaganden": [
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4471             "Omfattningsvarde": "7.5",
4472             "Periodbenamningar": {},
4473             "PerioddeltagandeUID": "999cccaa-73f2-11e8-b9fd-0a821ba7448e",
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4475             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
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4477             "UtbildningsPeriodTill": "2009-01-10"
4478         }
4479     ],
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4483     "SummeradHeltTillgodoraknadOmfattning": "0.0",
4484     "SummeradTillgodoraknadOmfattning": "0.0",
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4487         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
4488         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
4489         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
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4496       "en": "Human-Computer Interaction - a Didactive Perspective"
4497     },
4498     "Enhetskod": "HP",
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4580       },
4581       {
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4583         "Varde": "grupp.for.utsokning.grundavanceradniva"
4584       }
4585     ]
4586   },
4587   "Sjalvstandig": false
4588 },
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4592     "en": "Course, Second-cycle"

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4606                 "Varde": "grupp.for.utsokning.grundavanceradniva"
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4611             },
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4614                 "Varde": "true"
4615             },
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4618                 "Varde": "true"
4619             },
4620             {
4621                 "Regelnamn": "commons.domain.regel.avbrottsregel",
4622                 "Varde": "20"
4623             },
4624             {
4625                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4626                 "Varde": "true"
4627             }
4628         ]
4629     },
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4631 },
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4639     "HarTillgodoraknande": false,
4640     "LarosateID": 29,
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4649       "Periodindex": 1,
4650       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
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4652       "UtbildningsPeriodTill": "2008-01-11"
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4662       "UtbildningsPeriodTill": "2008-05-26"
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4664   ],
4665   "Sparrad": false,
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4668   "SummeradHeltTillgodoraknadOmfattning": "0.0",
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4682     },
4683     "Enhetskod": "HP",
4684     "FinansieringsformID": 101050,
4685     "LarosateID": 29,
4686     "Omfattningsvarde": "6.0",
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4784     "en": "Course, First-cycle"
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4833     "Nuvarande": true,
4834     "Paborjad": true,
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4919 "UtbildningstillfalleUID": "95d6ff04-73da-11e8-b4e0-063f9afb40e3",
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4924         "en": "Course instance (including attributes from the study regulation of 1993)"
4925     },
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4928     "ID": 105632,
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4935             },
4936             {
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4939             }
4940         ]
4941     },
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4963           {
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4970     },
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4979   "Nuvarande": true,
4980   "Paborjad": true,
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4988       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
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4997     "SummeradTillgodoraknadOmfattning": "0.0",
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5002         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avbrott"
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5009             "en": "Education, Pedagogy and Society - Yesterday, Today and Tomorrow"
5010         },
5011         "Enhetskod": "HP",
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5022                 "Uid": "95d74de7-73da-11e8-afa7-8e408e694e54"
5023             }
5024         ],
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5026             "sv": "Stockholm",
5027             "en": "Stockholm"
5028         },
5029         "Studielokaliseringrepresentation": {
5030             "Benamningar": {
5031                 "sv": "Stockholm",
5032                 "en": "Stockholm"
5033             },
5034             "Giltighetsperiod": {
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5036                 "Startdatum": "1917-10-19"
5037             },
5038             "ID": 131778,
5039             "Kod": "0180"
5040         },
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5042         "Studieperiod": {

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5044     "Startdatum": "2008-01-14"
5045 },
5046 "Studietakt": {
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5048         "sv": "Helfart",
5049         "en": "Full-time"
5050     },
5051     "Takt": 100
5052 },
5053 "Undervisningsform": {
5054     "Benamningar": {
5055         "sv": "Normal",
5056         "en": "Normal teaching"
5057     },
5058     "Giltighetsperiod": {},
5059     "ID": 1
5060 },
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5062 "UtbildningensOmfattningsvarde": "7.5",
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5070         "en": "Course instance"
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5074     "ID": 52,
5075     "Kod": "2007KTF",
5076     "RegelverkForUtbildningstyp": {
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5081             },
5082             {
5083                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
5084                 "Varde": "true"
5085             },
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5087                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5088                 "Varde": "true"
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5099     },
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5101 },
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5105         "en": "Course, First-cycle"
5106     },
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5109     "ID": 22,
5110     "Kod": "2007GKURS",
5111     "RegelverkForUtbildningstyp": {
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5117             {
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5119                 "Varde": "true"
5120             },
5121             {
5122                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
5123                 "Varde": "true"
5124             },
5125             {
5126                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
5127                 "Varde": "true"
5128             },
5129             {
5130                 "Regelnamn": "commons.domain.regel.avbrottsregel",
5131                 "Varde": "20"
5132             },
5133             {
5134                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5135                 "Varde": "grupp.for.utsokning.grundavanceradniva"
5136             },
5137             {
5138                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
5139                 "Varde": "true"
5140             }
5141         ]
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5152     "LarosateID": 29,
5153     "Nuvarande": true,
5154     "Paborjad": true,
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5162         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
5163         "UtbildningsPeriodFran": "2008-01-14",
5164         "UtbildningsPeriodTill": "2008-05-26"
5165     }
5166 ],
5167     "Sparrad": false,
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5170     "SummeradHeltTillgodoraknadOmfattning": "0.0",
5171     "SummeradTillgodoraknadOmfattning": "0.0",
5172     "TillstandKurs": {
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5174         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avbrott",
5175         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
5176         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avbrott"
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5178     "UId": "99c9f710-73f2-11e8-b9fd-0a821ba7448e",
5179     "Utbildningsinformation": {
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5181         "Benamning": {
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5183             "en": "The Individual's Development and Socialization"
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5185         "Enhetskod": "HP",
5186         "FinansieringsformID": 131731,
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5198 ],
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5206         "en": "Stockholm"
5207     },
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5210         "Startdatum": "1917-10-19"
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5212     "ID": 131778,
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5214 },
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5223         "en": "Full-time"
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5225     "Takt": 100
5226 },
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5267     },
5268     {
5269       "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
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5271     }
5272   ]
5273 },
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5275 },
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5279     "en": "Course, First-cycle"
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5283   "ID": 22,
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5285   "RegelverkForUtbildningstyp": {
5286     "Regelvarden": [
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5289         "Varde": "true"
5290       },
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5299     {
5300         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
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5318 },
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5326     "HarTillgodoraknande": false,
5327     "LarosateID": 29,
5328     "Nuvarande": true,
5329     "Paborjad": true,
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5349   "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
5350   "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
5351   "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
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5358     "en": "Basic Course in Teacher Commission and Professional Teacherhood, incl Teaching Practice"
5359   },
5360   "Enhetskod": "HP",
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5364   "PeriodIOrdning": "0",
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5371       "Uid": "afca5ecd-73da-11e8-afa7-8e408e694e54"
5372     }
5373   ],
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5377   },
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5381       "en": "Stockholm"
5382     },
5383     "Giltighetsperiod": {
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5385       "Startdatum": "1917-10-19"
5386     },
5387     "ID": 131778,
5388     "Kod": "0180"
5389   },
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5391   "Studieperiod": {
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5399   },
5400   "Takt": 100
5401 },
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5405     "en": "Normal teaching"
5406   },
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5408   "ID": 1
5409 },
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5411 "UtbildningensOmfattningsvarde": "7.5",
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5413 "Utbildningskod": "KTAU1N",
5414 "UtbildningstillfalleUID": "afca0fec-73da-11e8-b4e0-063f9afb40e3",
5415 "Utbildningstillfalleskod": "Y0181",
5416 "Utbildningstillfallestyp": {
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5419     "en": "Course instance (including attributes from the study regulation of 1993)"
5420   },
5421   "Giltighetsperiod": {},
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5423   "ID": 105632,
5424   "Kod": "0793KTF",
5425   "RegelverkForUtbildningstyp": {
5426     "Regelvarden": [
5427       {
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5429         "Varde": "true"
5430       },
5431       {
5432         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5433         "Varde": "grupp.for.utsokning.grundavanceradniva"
5434       }
5435     ]
5436   },
5437   "Sjalvstandig": false
5438 },
5439 "Utbildningstyp": {
5440   "Benamningar": {
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5442     "en": "Course, First-cycle (including attributes from the study regulation of 1993)"

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5452           "Varde": "grupp.for.utsokning.grundavanceradniva"
5453         },
5454         {
5455           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5456           "Varde": "true"
5457         },
5458         {
5459           "Regelnamn": "commons.domain.regel.avbrottsregel",
5460           "Varde": "20"
5461         }
5462       ]
5463     },
5464     "Sjalvstandig": true
5465   },
5466   "Utbildningsversion": 1
5467 }
5468 },
5469 {
5470   "Aterbud": false,
5471   "Avklarad": false,
5472   "HarTillgodoraknande": false,
5473   "LarosateID": 29,
5474   "Nuvarande": true,
5475   "Paborjad": true,
5476   "Perioddeltaganden": [
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5480       "Periodbenamningar": {},
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5482       "Periodindex": 1,
5483       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
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5485       "UtbildningsPeriodTill": "2007-01-16"
5486     },
5487     {
5488       "Anpassat": false,
5489       "Omfattningsvarde": "1.5",
5490       "Periodbenamningar": {},
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5492       "Periodindex": 2,

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5495     "UtbildningsPeriodTill": "2007-05-28"
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5499     "Omfattningsvarde": "1.5",
5500     "Periodbenamningar": {},
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5502     "Periodindex": 3,
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5504     "UtbildningsPeriodFran": "2008-01-14",
5505     "UtbildningsPeriodTill": "2008-05-26"
5506 },
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5509     "Omfattningsvarde": "7.5",
5510     "Periodbenamningar": {},
5511     "PeriodeltagandeUID": "99dedf56-73f2-11e8-b9fd-0a821ba7448e",
5512     "Periodindex": 4,
5513     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
5514     "UtbildningsPeriodFran": "2009-08-28",
5515     "UtbildningsPeriodTill": "2010-01-08"
5516 },
5517 {
5518     "Anpassat": false,
5519     "Omfattningsvarde": "1.5",
5520     "Periodbenamningar": {},
5521     "PeriodeltagandeUID": "99dedf57-73f2-11e8-b9fd-0a821ba7448e",
5522     "Periodindex": 5,
5523     "Tillstand": "studiedeltagande.domain.tillstandsdefinition.ej_paborjad",
5524     "UtbildningsPeriodFran": "2010-01-11",
5525     "UtbildningsPeriodTill": "2010-05-29"
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5529 "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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5531 "SummeradHeltTillgodoraknadOmfattning": "0.0",
5532 "SummeradTillgodoraknadOmfattning": "0.0",
5533 "TillstandKurs": {
5534     "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.registrerad",
5535     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
5536     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
5537     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.paborjad"
5538 },
5539 "Uid": "99dedf51-73f2-11e8-b9fd-0a821ba7448e",
5540 "Utbildningsinformation": {
5541     "AntalPerioder": 5,
5542     "Benamning": {

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5544     "en": "Educational Perspective on Mathematics, incl Teaching Practice"
5545 },
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5591 },
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5619         "en": "Normal teaching"
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6040             "en": "Electrical Engineering, Basic Course Media"
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6095     "Utbildningskod": "MF1035",
6096     "UtbildningstillfalleUID": "b86a9f24-73da-11e8-b4e0-063f9afb40e3",
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6136             "en": "Course, First-cycle"
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6238             "en": "Stockholm"
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6255         "en": "Full-time"
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6260     "Benamningar": {
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6337                 "Varde": "20"
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6341                 "Varde": "grupp.for.utsokning.grundavanceradniva"
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6464         "Varde": "grupp.for.utsokning.grundavanceradniva"
6465       }
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6467   },
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6487         "Varde": "true"
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6492       }

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6536             "en": "Degree Project in Technology and Learning, Second Cycle"
6537         },
6538         "Enhetskod": "HP",
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6612           },
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6614             "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
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6625         ]
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6632         "en": "Course, Second-cycle"
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6636       "ID": 24,
6637       "Kod": "2007AKURS",
6638       "RegelverkForUtbildningstyp": {
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6642             "Varde": "true"
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6643     },
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6646         "Varde": "grupp.for.utsokning.grundavanceradniva"
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6650         "Varde": "true"
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6654         "Varde": "true"
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6656     {
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6662         "Varde": "20"
6663     },
6664     {
6665         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
6666         "Varde": "true"
6667     }
6668 ]
6669 },
6670 "Sjalvstandig": true
6671 },
6672 "Utbildningsversion": 1
6673 }
6674 },
6675 {
6676     "Aterbud": false,
6677     "Avklarad": false,
6678     "HarTillgodoraknande": false,
6679     "LarosateID": 29,
6680     "Nuvarande": true,
6681     "Paborjad": true,
6682     "Perioddeltaganden": [
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6684             "Anpassat": false,
6685             "Omfattningsvarde": "30.0",
6686             "Periodbenamningar": {},
6687             "PerioddeltagandeUID": "9a32561e-73f2-11e8-b9fd-0a821ba7448e",
6688             "Periodindex": 1,
6689             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
6690             "UtbildningsPeriodFran": "2007-08-31",
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6692         }

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6693   ],
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6695   "Studiestrukturereferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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6697   "SummeradHeltTillgodoraknadOmfattning": "0.0",
6698   "SummeradTillgodoraknadOmfattning": "0.0",
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6701     "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avbrott",
6702     "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
6703     "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avbrott"
6704   },
6705   "Uid": "9a3207fb-73f2-11e8-b9fd-0a821ba7448e",
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6710       "en": "Perspectives of Educational Science, incl Teaching Practice"
6711     },
6712     "Enhetskod": "HP",
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6716     "PeriodIOrdning": "0",
6717     "Perioder": [
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6720         "Omfattningsvarde": "30.0",
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6722         "Startdatum": "2007-08-31",
6723         "Uid": "c3afe766-73da-11e8-afa7-8e408e694e54"
6724       }
6725     ],
6726     "Studielokalisering": {
6727       "sv": "Stockholm",
6728       "en": "Stockholm"
6729     },
6730     "Studielokaliseringrepresentation": {
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6733         "en": "Stockholm"
6734       },
6735       "Giltighetsperiod": {
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6737         "Startdatum": "1917-10-19"
6738       },
6739       "ID": 131778,
6740       "Kod": "0180"
6741     },
6742     "StudieordningID": "1",

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6745         "Startdatum": "2007-08-31"
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6749             "sv": "Helfart",
6750             "en": "Full-time"
6751         },
6752         "Takt": 100
6753     },
6754     "Undervisningsform": {
6755         "Benamningar": {
6756             "sv": "Normal",
6757             "en": "Normal teaching"
6758         },
6759         "Giltighetsperiod": {},
6760         "ID": 1
6761     },
6762     "UtbildningUID": "7bebc833-73d8-11e8-afa7-8e408e694e54",
6763     "UtbildningensOmfattningsvarde": "30.0",
6764     "UtbildningsinstansUID": "7bd92ac2-73d8-11e8-b4e0-063f9afb40e3",
6765     "Utbildningskod": "SAU02N",
6766     "UtbildningstillfalleUID": "c3af99a9-73da-11e8-b4e0-063f9afb40e3",
6767     "Utbildningstillfalleskod": "X0403",
6768     "Utbildningstillfallestyp": {
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6771             "en": "Course instance (including attributes from the study regulation of 1993)"
6772         },
6773         "Giltighetsperiod": {},
6774         "Grundtyp": "KURS",
6775         "ID": 105632,
6776         "Kod": "0793KTF",
6777         "RegelverkForUtbildningstyp": {
6778             "Regelvarden": [
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6780                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
6781                     "Varde": "true"
6782                 },
6783                 {
6784                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6785                     "Varde": "grupp.for.utsokning.grundavanceradniva"
6786                 }
6787             ]
6788         },
6789         "Sjalvstandig": false
6790     },
6791     "Utbildningstyp": {
6792         "Benamningar": {

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6793     "sv": "Kurs, grundnivå (inkl. attribut från 1993 års studieordning)",
6794     "en": "Course, First-cycle (including attributes from the study regulation of 1993)"
6795 },
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6798 "ID": 105630,
6799 "Kod": "0793GKURS",
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6804       "Varde": "grupp.for.utsokning.grundavanceradniva"
6805     },
6806     {
6807       "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
6808       "Varde": "true"
6809     },
6810     {
6811       "Regelnamn": "commons.domain.regel.avbrottsregel",
6812       "Varde": "20"
6813     }
6814   ]
6815 },
6816 "Sjalvstandig": true
6817 },
6818 "Utbildningsversion": 1
6819 }
6820 },
6821 {
6822   "Aterbud": false,
6823   "Avklarad": true,
6824   "Godkannandedatum": "2011-10-17",
6825   "HarTillgodoraknande": false,
6826   "LarosateID": 29,
6827   "Nuvarande": true,
6828   "Paborjad": true,
6829   "Perioddeltaganden": [
6830     {
6831       "Anpassat": false,
6832       "Omfattningsvarde": "4.5",
6833       "Periodbenamningar": {},
6834       "PerioddeltagandeUID": "9a3f4e6a-73f2-11e8-b9fd-0a821ba7448e",
6835       "Periodindex": 1,
6836       "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
6837       "UtbildningsPeriodFran": "2007-08-31",
6838       "UtbildningsPeriodTill": "2008-01-11"
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6841       "Anpassat": false,
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6848     "UtbildningsPeriodTill": "2008-05-26"
6849   }
6850 ],
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6852 "Studiestrukturereferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
6853 "SummeradGodkandOmfattning": "6.0",
6854 "SummeradHeltTillgodoraknadOmfattning": "0.0",
6855 "SummeradTillgodoraknadOmfattning": "0.0",
6856 "TillstandKurs": {
6857   "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
6858   "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
6859   "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
6860   "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
6861 },
6862 "Uid": "9a3f2755-73f2-11e8-b9fd-0a821ba7448e",
6863 "Utbildningsinformation": {
6864   "AntalPerioder": 2,
6865   "Benamning": {
6866     "sv": "Differentialekvationer och transformer III",
6867     "en": "Differential Equations and Transforms III"
6868   },
6869   "Enhetskod": "HP",
6870   "FinansieringsformID": 101050,
6871   "LarosateID": 29,
6872   "Omfattningsvarde": "6.0",
6873   "PeriodIOrdning": "0",
6874   "Perioder": [
6875     {
6876       "Index": 1,
6877       "Omfattningsvarde": "4.5",
6878       "Slutdatum": "2008-01-11",
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6881     },
6882     {
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6887       "Uid": "c7cd5fa4-73da-11e8-afa7-8e408e694e54"
6888     }
6889   ],
6890   "Studielokalisering": {
6891     "sv": "Stockholm",
6892     "en": "Stockholm"

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6893     },
6894     "Studielokaliseringrepresentation": {
6895         "Benamningar": {
6896             "sv": "Stockholm",
6897             "en": "Stockholm"
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6899         "Giltighetsperiod": {
6900             "Slutdatum": "2019-01-14",
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6911     "Studietakt": {
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6914             "en": "Full-time"
6915         },
6916         "Takt": 100
6917     },
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6921             "en": "Normal teaching"
6922         },
6923         "Giltighetsperiod": {},
6924         "ID": 1
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6927     "UtbildningsOmfattningsvarde": "6.0",
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6930     "UtbildningstillfalleUID": "c7cd37d2-73da-11e8-b4e0-063f9afb40e3",
6931     "Utbildningstillfalleskod": "Q0044",
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6935             "en": "Course instance"
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6948         "Regelnamn": "commons.domain.regel.kan.utannonseras",
6949         "Varde": "true"
6950     },
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6952         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
6953         "Varde": "true"
6954     },
6955     {
6956         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
6957         "Varde": "true"
6958     },
6959     {
6960         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6961         "Varde": "grupp.for.utsokning.grundavanceradniva"
6962     }
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6964 },
6965 "Sjalvstandig": false
6966 },
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6970         "en": "Course, First-cycle"
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6974     "ID": 22,
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6976     "RegelverkForUtbildningstyp": {
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6981             },
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6984                 "Varde": "true"
6985             },
6986             {
6987                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
6988                 "Varde": "true"
6989             },
6990             {
6991                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
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7000             "Varde": "grupp.for.utsokning.grundavanceradniva"
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7002         {
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7006     ]
7007 },
7008     "Sjalvstandig": true
7009 },
7010     "Utbildningsversion": 1
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7013 {
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7016     "Godkannandedatum": "2008-10-21",
7017     "HarTillgodoraknande": false,
7018     "LarosateID": 29,
7019     "Nuvarande": true,
7020     "Paborjad": true,
7021     "Perioddeltaganden": [
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7036     "SummeradHeltTillgodoraknadOmfattning": "0.0",
7037     "SummeradTillgodoraknadOmfattning": "0.0",
7038     "TillstandKurs": {
7039         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7040         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7041         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
7042         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"

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7043 },
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7048     "sv": "Matematisk statistik, allmän kurs",
7049     "en": "Mathematical Statistics, Basic Course"
7050   },
7051   "Enhetskod": "HP",
7052   "FinansieringsformID": 101050,
7053   "LarosateID": 29,
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7063     }
7064   ],
7065   "Studielokalisering": {
7066     "sv": "Stockholm",
7067     "en": "Stockholm"
7068   },
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7072       "en": "Stockholm"
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7077     },
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7079     "Kod": "0180"
7080   },
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7085   },
7086   "Studietakt": {
7087     "Benamning": {
7088       "sv": "Helfart",
7089       "en": "Full-time"
7090     },
7091     "Takt": 100
7092   },

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7093     "Undervisningsform": {
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7096             "en": "Normal teaching"
7097         },
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7104     "Utbildningskod": "SF1908",
7105     "UtbildningstillfalleUID": "c8d7a30a-73da-11e8-b4e0-063f9afb40e3",
7106     "Utbildningstillfalleskod": "50105",
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7110             "en": "Course instance"
7111         },
7112         "Giltighetsperiod": {},
7113         "Grundtyp": "KURS",
7114         "ID": 52,
7115         "Kod": "2007KTF",
7116         "RegelverkForUtbildningstyp": {
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7124                     "Varde": "true"
7125                 },
7126                 {
7127                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
7128                     "Varde": "true"
7129                 },
7130                 {
7131                     "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
7132                     "Varde": "true"
7133                 },
7134                 {
7135                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
7136                     "Varde": "grupp.for.utsokning.grundavanceradniva"
7137                 }
7138             ]
7139         },
7140         "Sjalvstandig": false
7141     },
7142     "Utbildningstyp": {

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7145         "en": "Course, First-cycle"
7146     },
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7149     "ID": 22,
7150     "Kod": "2007GKURS",
7151     "RegelverkForUtbildningstyp": {
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7153             {
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7155                 "Varde": "true"
7156             },
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7159                 "Varde": "true"
7160             },
7161             {
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7163                 "Varde": "true"
7164             },
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7167                 "Varde": "true"
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7169             {
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7171                 "Varde": "20"
7172             },
7173             {
7174                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
7175                 "Varde": "grupp.for.utsokning.grundavanceradniva"
7176             },
7177             {
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7179                 "Varde": "true"
7180             }
7181         ]
7182     },
7183     "Sjalvstandig": true
7184 },
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7186 }
7187 },
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7190     "Avklarad": true,
7191     "Godkannandedatum": "2010-05-24",
7192     "HarTillgodoraknande": false,

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7195     "Paborjad": true,
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7204         "UtbildningsPeriodFran": "2010-01-11",
7205         "UtbildningsPeriodTill": "2010-05-29"
7206     }
7207 ],
7208     "Sparrad": false,
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7212     "SummeradTillgodoraknadOmfattning": "0.0",
7213     "TillstandKurs": {
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7215         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7216         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
7217         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
7218     },
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7220     "Utbildningsinformation": {
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7224             "en": "Mathematics, Advanced Course"
7225         },
7226         "Enhetskod": "HP",
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7237             "Uid": "c93e7b39-73da-11e8-afa7-8e408e694e54"
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7243     },
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7247             "en": "Stockholm"
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7252         },
7253         "ID": 131778,
7254         "Kod": "0180"
7255     },
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7259         "Startdatum": "2010-01-11"
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7261     "Studietakt": {
7262         "Benamning": {
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7264             "en": "Full-time"
7265         },
7266         "Takt": 100
7267     },
7268     "Undervisningsform": {
7269         "Benamningar": {
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7271             "en": "Normal teaching"
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7274         "ID": 1
7275     },
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7277     "UtbildningsOmfattningsvarde": "6.0",
7278     "UtbildningsinstansUID": "80b2c6bf-73d8-11e8-b4e0-063f9afb40e3",
7279     "Utbildningskod": "SF2717",
7280     "UtbildningstillfalleUID": "c93e2cf9-73da-11e8-b4e0-063f9afb40e3",
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7282     "Utbildningstillfallestyp": {
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7285             "en": "Course instance"
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7288         "Grundtyp": "KURS",
7289         "ID": 52,
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7303         "Varde": "true"
7304     },
7305     {
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7308     },
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7310         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
7311         "Varde": "grupp.for.utsokning.grundavanceradniva"
7312     }
7313 ]
7314 },
7315 "Sjalvstandig": false
7316 },
7317 "Utbildningstyp": {
7318     "Benamningar": {
7319         "sv": "Kurs, avancerad nivå",
7320         "en": "Course, Second-cycle"
7321     },
7322     "Giltighetsperiod": {},
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7325     "Kod": "2007AKURS",
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7334                 "Varde": "grupp.for.utsokning.grundavanceradniva"
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7338                 "Varde": "true"
7339             },
7340             {
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7342                 "Varde": "true"

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7350             "Varde": "20"
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7352         {
7353             "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
7354             "Varde": "true"
7355         }
7356     ],
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7359 },
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7361 }
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7369     "Paborjad": true,
7370     "Perioddeltaganden": [
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7372             "Anpassat": false,
7373             "Omfattningsvarde": "7.5",
7374             "Periodbenamningar": {},
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7378             "UtbildningsPeriodFran": "2010-08-27",
7379             "UtbildningsPeriodTill": "2011-01-07"
7380         }
7381     ],
7382     "Sparrad": false,
7383     "Studiestructurreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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7385     "SummeradHeltTillgodoraknadOmfattning": "0.0",
7386     "SummeradTillgodoraknadOmfattning": "0.0",
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7388         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.registrerad",
7389         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
7390         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
7391         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.paborjad"
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7412             }
7413         ],
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7416             "en": "Stockholm"
7417         },
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7421                 "en": "Stockholm"
7422             },
7423             "Giltighetsperiod": {
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7425                 "Startdatum": "1917-10-19"
7426             },
7427             "ID": 131778,
7428             "Kod": "0180"
7429         },
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7433             "Startdatum": "2010-08-27"
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7435         "Studietakt": {
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7451 "UtbildningensOmfattningsvarde": "7.5",
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7453 "Utbildningskod": "SF2721",
7454 "UtbildningstillfalleUID": "c960a967-73da-11e8-b4e0-063f9afb40e3",
7455 "Utbildningstillfalleskod": "91442",
7456 "Utbildningstillfallestyp": {
7457     "Benamningar": {
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7459         "en": "Course instance"
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7462     "Grundtyp": "KURS",
7463     "ID": 52,
7464     "Kod": "2007KTF",
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7469                 "Varde": "varning"
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7483             {
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7485                 "Varde": "grupp.for.utsokning.grundavanceradniva"
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7490 },
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7499     "Kod": "2007AKURS",
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7513             },
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7516                 "Varde": "true"
7517             },
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7520                 "Varde": "true"
7521             },
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7524                 "Varde": "20"
7525             },
7526             {
7527                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
7528                 "Varde": "true"
7529             }
7530         ]
7531     },
7532     "Sjalvstandig": true
7533 },
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7535 }
7536 },
7537 {
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7539     "Avklarad": true,
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7541     "HarTillgodoraknande": false,
7542     "LarosateID": 29,

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7553         "UtbildningsPeriodFran": "2009-08-28",
7554         "UtbildningsPeriodTill": "2010-01-08"
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7561         "Periodindex": 2,
7562         "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
7563         "UtbildningsPeriodFran": "2010-01-11",
7564         "UtbildningsPeriodTill": "2010-05-29"
7565     }
7566 ],
7567     "Sparrad": false,
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7570     "SummeradHeltTillgodoraknadOmfattning": "0.0",
7571     "SummeradTillgodoraknadOmfattning": "0.0",
7572     "TillstandKurs": {
7573         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
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7575         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
7576         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
7577     },
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7579     "Utbildningsinformation": {
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7583             "en": "Mathematical Forum III"
7584         },
7585         "Enhetskod": "HP",
7586         "FinansieringsformID": 101050,
7587         "LarosateID": 29,
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7590         "Perioder": [
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7597     },
7598     {
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7613         "en": "Stockholm"
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7620     "Kod": "0180"
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7625     "Startdatum": "2009-08-28"
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7627 "Studietakt": {
7628     "Benamning": {
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7630         "en": "Full-time"
7631     },
7632     "Takt": 100
7633 },
7634 "Undervisningsform": {
7635     "Benamningar": {
7636         "sv": "Normal",
7637         "en": "Normal teaching"
7638     },
7639     "Giltighetsperiod": {},
7640     "ID": 1
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7645     "Utbildningskod": "SF2727",
7646     "UtbildningstillfalleUID": "c968238f-73da-11e8-b4e0-063f9afb40e3",
7647     "Utbildningstillfalleskod": "71274",
7648     "Utbildningstillfallestyp": {
7649         "Benamningar": {
7650             "sv": "Kurstillfälle",
7651             "en": "Course instance"
7652         },
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7669                     "Varde": "true"
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7673                     "Varde": "true"
7674                 },
7675                 {
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7677                     "Varde": "grupp.for.utsokning.grundavanceradniva"
7678                 }
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7680         },
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7683     "Utbildningstyp": {
7684         "Benamningar": {
7685             "sv": "Kurs, avancerad nivå",
7686             "en": "Course, Second-cycle"
7687         },
7688         "Giltighetsperiod": {},
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7712             "Varde": "true"
7713         },
7714         {
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7720             "Varde": "true"
7721         }
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7726 }
7727 },
7728 {
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7730     "Avklarad": true,
7731     "Godkannandedatum": "2008-12-18",
7732     "HarTillgodoraknande": false,
7733     "LarosateID": 29,
7734     "Nuvarande": true,
7735     "Paborjad": true,
7736     "Perioddeltaganden": [
7737         {
7738             "Anpassat": false,
7739             "Omfattningsvarde": "7.5",
7740             "Periodbenamningar": {},
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7746     "UtbildningsPeriodTill": "2009-01-10"
7747   }
7748 ],
7749 "Sparrad": false,
7750 "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
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7752 "SummeradHeltTillgodoraknadOmfattning": "0.0",
7753 "SummeradTillgodoraknadOmfattning": "0.0",
7754 "TillstandKurs": {
7755   "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7756   "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7757   "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
7758   "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
7759 },
7760 "Uid": "9a8d6ea1-73f2-11e8-b9fd-0a821ba7448e",
7761 "Utbildningsinformation": {
7762   "AntalPerioder": 1,
7763   "Benamning": {
7764     "sv": "Fysik: vågor och partiklar",
7765     "en": "Physics: Waves and Particles"
7766   },
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7768   "FinansieringsformID": 101050,
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7779     }
7780   ],
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7782     "sv": "Stockholm",
7783     "en": "Stockholm"
7784   },
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7786     "Benamningar": {
7787       "sv": "Stockholm",
7788       "en": "Stockholm"
7789     },
7790     "Giltighetsperiod": {
7791       "Slutdatum": "2019-01-14",
7792       "Startdatum": "1917-10-19"

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7795     "Kod": "0180"
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7800     "Startdatum": "2008-08-29"
7801 },
7802 "Studietakt": {
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7804         "sv": "Helfart",
7805         "en": "Full-time"
7806     },
7807     "Takt": 100
7808 },
7809 "Undervisningsform": {
7810     "Benamningar": {
7811         "sv": "Normal",
7812         "en": "Normal teaching"
7813     },
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7815     "ID": 1
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7818 "UtbildningensOmfattningsvarde": "7.5",
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7823 "Utbildningstillfallestyp": {
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7825         "sv": "Kurstillfälle",
7826         "en": "Course instance"
7827     },
7828     "Giltighetsperiod": {},
7829     "Grundtyp": "KURS",
7830     "ID": 52,
7831     "Kod": "2007KTF",
7832     "RegelverkForUtbildningstyp": {
7833         "Regelvarden": [
7834             {
7835                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
7836                 "Varde": "varning"
7837             },
7838             {
7839                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
7840                 "Varde": "true"
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7844         "Varde": "true"
7845     },
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7848         "Varde": "true"
7849     },
7850     {
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7852         "Varde": "grupp.for.utsokning.grundavanceradniva"
7853     }
7854 ]
7855 },
7856 "Sjalvstandig": false
7857 },
7858 "Utbildningstyp": {
7859     "Benamningar": {
7860         "sv": "Kurs, grundnivå",
7861         "en": "Course, First-cycle"
7862     },
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7864     "Grundtyp": "KURS",
7865     "ID": 22,
7866     "Kod": "2007GKURS",
7867     "RegelverkForUtbildningstyp": {
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7872             },
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7874                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
7875                 "Varde": "true"
7876             },
7877             {
7878                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
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7880             },
7881             {
7882                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
7883                 "Varde": "true"
7884             },
7885             {
7886                 "Regelnamn": "commons.domain.regel.avbrottsregel",
7887                 "Varde": "20"
7888             },
7889             {
7890                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
7891                 "Varde": "grupp.for.utsokning.grundavanceradniva"
7892             }
7893         ]
7894     }
7895 }
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7900 },
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7908     "HarTillgodoraknande": false,
7909     "LarosateID": 29,
7910     "Nuvarande": true,
7911     "Paborjad": true,
7912     "Perioddeltaganden": [
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7915             "Omfattningsvarde": "7.5",
7916             "Periodbenamningar": {},
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7918             "Periodindex": 1,
7919             "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
7920             "UtbildningsPeriodFran": "2009-03-16",
7921             "UtbildningsPeriodTill": "2009-06-07"
7922         }
7923     ],
7924     "Sparrad": false,
7925     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
7926     "SummeradGodkandOmfattning": "7.5",
7927     "SummeradHeltTillgodoraknadOmfattning": "0.0",
7928     "SummeradTillgodoraknadOmfattning": "0.0",
7929     "TillstandKurs": {
7930         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7931         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
7932         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
7933         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
7934     },
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7936     "Utbildningsinformation": {
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7940             "en": "Identity Formation and Socialization"
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7958         "en": "Stockholm"
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7960     "Studielokaliseringrepresentation": {
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7962             "sv": "Stockholm",
7963             "en": "Stockholm"
7964         },
7965         "Giltighetsperiod": {
7966             "Slutdatum": "2019-01-14",
7967             "Startdatum": "1917-10-19"
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7969         "ID": 131778,
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7977     "Studietakt": {
7978         "Benamning": {
7979             "sv": "Helfart",
7980             "en": "Full-time"
7981         },
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7986             "sv": "Normal",
7987             "en": "Normal teaching"
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7995     "Utbildningskod": "UBK400",
7996     "UtbildningstillfalleUID": "d0b09c59-73da-11e8-b4e0-063f9afb40e3",
7997     "Utbildningstillfalleskod": "61538",
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8024                 },
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8026                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
8027                     "Varde": "grupp.for.utsokning.grundavanceradniva"
8028                 }
8029             ]
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8032     },
8033     "Utbildningstyp": {
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8035             "sv": "Kurs, grundnivå",
8036             "en": "Course, First-cycle"
8037         },
8038         "Giltighetsperiod": {},
8039         "Grundtyp": "KURS",
8040         "ID": 22,
8041         "Kod": "2007GKURS",
8042         "RegelverkForUtbildningstyp": {

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8050             "Varde": "true"
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8061             "Regelnamn": "commons.domain.regel.avbrottsregel",
8062             "Varde": "20"
8063         },
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8066             "Varde": "grupp.for.utsokning.grundavanceradniva"
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8096     "UtbildningsPeriodTill": "2009-03-15"
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8102 "SummeradHeltTillgodoraknadOmfattning": "0.0",
8103 "SummeradTillgodoraknadOmfattning": "0.0",
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8106   "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
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8108   "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
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8133     "en": "Stockholm"
8134   },
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8138       "en": "Stockholm"
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8187             },
8188             {
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8190                 "Varde": "true"
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8205 },
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8211         "en": "Course, First-cycle"
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8225                 "Varde": "true"
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8259     "LarosateID": 29,
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8815     "en": "Challenges for Special Education - Youth and Adults"
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8842       "Startdatum": "1917-10-19"

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8937                 "Varde": "true"
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8975             "UtbildningsPeriodTill": "2018-06-04"
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8987         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
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9072     },
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9078         "en": "Course, Third-cycle"
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9089             },
9090             {
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9189             "Takt": 33
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9202 "Utbildningskod": "FDH3363",
9203 "UtbildningstillfalleUID": "f6d43053-91b5-11e9-be70-a303c1114884",
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9212     "ID": 101955,
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9218                 "Varde": "grupp.for.utsokning.forskarniva"
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9279             },
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9282             "UtbildningsPeriodTill": "2021-01-15"
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9288     "SummeradTillgodoraknadOmfattning": "0.0",
9289     "TillstandKurs": {
9290         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.registrerad",
9291         "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
9292         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",

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      "Takt": 17
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9370                     "Varde": "varning"
9371                 },
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9375                 },
9376                 {
9377                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
9378                     "Varde": "true"
9379                 },
9380                 {
9381                     "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
9382                     "Varde": "true"
9383                 },
9384                 {
9385                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
9386                     "Varde": "grupp.for.utsokning.grundavanceradniva"
9387                 }
9388             ]
9389         },
9390         "Sjalvstandig": false
9391     },
9392     "Utbildningstyp": {

```

```

9393     "Benamningar": {
9394         "sv": "Kurs, avancerad nivå",
9395         "en": "Course, Second-cycle"
9396     },
9397     "Giltighetsperiod": {},
9398     "Grundtyp": "KURS",
9399     "ID": 24,
9400     "Kod": "2007AKURS",
9401     "RegelverkForUtbildningstyp": {
9402         "Regelvarden": [
9403             {
9404                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
9405                 "Varde": "true"
9406             },
9407             {
9408                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
9409                 "Varde": "grupp.for.utsokning.grundavanceradniva"
9410             },
9411             {
9412                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
9413                 "Varde": "true"
9414             },
9415             {
9416                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
9417                 "Varde": "true"
9418             },
9419             {
9420                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
9421                 "Varde": "true"
9422             },
9423             {
9424                 "Regelnamn": "commons.domain.regel.avbrottsregel",
9425                 "Varde": "20"
9426             },
9427             {
9428                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
9429                 "Varde": "true"
9430             }
9431         ]
9432     },
9433     "Sjalvstandig": true
9434 },
9435 "Utbildningsversion": 3
9436 }
9437 }
9438 ]

```

## 17.5 registrations\_on\_course\_JSON

This method returns all registrations for a particular course for a particular student. This way we can check if a student has been registered several times on a course.

```
311a <LadokSession data methods 95c>+≡
def registrations_on_course_JSON(self,
    course_education_id, student_id):
    """Return a list of registrations on course with education_id for student
    with student_id. JSON format."""
    response = self.get_query(
        "/studiedeltagande/internal/tillfallesdeltagande"
        f"/utbildning/{course_education_id}/student/{student_id}",
        "application/vnd.ladok-studiedeltagande+json")

    if response.status_code == requests.codes.ok:
        return response.json()["Tillfallesdeltaganden"]
    raise Exception("can't get registrations for "
        f"student {student_id} on course {course_education_id}: "
        f"{response.text}")
```

We add the following test.

```
311b <test functions 99b>+≡
def test_registrations_on_course_JSON():
    results = ladok.registrations_on_course_JSON(dasak_education_id, student_uid)
    assert json.dumps(results, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1 [
2   {
3     "Aterbud": false,
4     "Avklarad": true,
5     "Godkannandedatum": "2010-04-07",
6     "HarTillgodoraknande": false,
7     "LarosateID": 29,
8     "Nuvarande": true,
9     "Paborjad": true,
10    "Perioddeltaganden": [
11      {
12        "Anpassat": false,
13        "Omfattningsvarde": "6.0",
14        "Periodbenamningar": {},
15        "PerioddeltagandeUID": "9940554d-73f2-11e8-b9fd-0a821ba7448e",
16        "Periodindex": 1,
17        "Tillstand": "studiedeltagande.domain.tillstandsdefinition.registrerad",
18        "UtbildningsPeriodFran": "2010-01-18",
19        "UtbildningsPeriodTill": "2010-03-21"
20      }
21    ],
22    "Sparrad": false,
```

```

23 "Studiestrukturereferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
24 "SummeradGodkandOmfattning": "6.0",
25 "SummeradHeltTillgodoraknadOmfattning": "0.0",
26 "SummeradTillgodoraknadOmfattning": "0.0",
27 "TillstandKurs": {
28   "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
29   "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
30   "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
31   "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
32 },
33 "Uid": "99402e3c-73f2-11e8-b9fd-0a821ba7448e",
34 "Utbildningsinformation": {
35   "AntalPerioder": 1,
36   "Benamning": {
37     "sv": "Datasäkerhet",
38     "en": "Computer Security"
39   },
40   "Enhetskod": "HP",
41   "FinansieringsformID": 101050,
42   "LarosateID": 29,
43   "Omfattningsvarde": "6.0",
44   "PeriodIOrdning": "0",
45   "Perioder": [
46     {
47       "Index": 1,
48       "Omfattningsvarde": "6.0",
49       "Slutdatum": "2010-03-21",
50       "Startdatum": "2010-01-18",
51       "Uid": "79a9402f-73da-11e8-afa7-8e408e694e54"
52     }
53   ],
54   "Studielokalisering": {
55     "sv": "Stockholm",
56     "en": "Stockholm"
57   },
58   "Studielokaliseringrepresentation": {
59     "Benamningar": {
60       "sv": "Stockholm",
61       "en": "Stockholm"
62     },
63     "Giltighetsperiod": {
64       "Slutdatum": "2019-01-14",
65       "Startdatum": "1917-10-19"
66     },
67     "ID": 131778,
68     "Kod": "0180"
69   },
70   "StudieordningID": "1",
71   "Studieperiod": {
72     "Slutdatum": "2010-03-21",

```

```

73     "Startdatum": "2010-01-18"
74 },
75 "Studietakt": {
76     "Benamning": {
77         "sv": "Helfart",
78         "en": "Full-time"
79     },
80     "Takt": 100
81 },
82 "Undervisningsform": {
83     "Benamningar": {
84         "sv": "Normal",
85         "en": "Normal teaching"
86     },
87     "Giltighetsperiod": {},
88     "ID": 1
89 },
90 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
91 "UtbildningensOmfattningsvarde": "6.0",
92 "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
93 "Utbildningskod": "DD2395",
94 "UtbildningstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
95 "Utbildningstillfalleskod": "81099",
96 "Utbildningstillfallestyp": {
97     "Benamningar": {
98         "sv": "Kurstillfälle",
99         "en": "Course instance"
100     },
101     "Giltighetsperiod": {},
102     "Grundtyp": "KURS",
103     "ID": 52,
104     "Kod": "2007KTF",
105     "RegelverkForUtbildningstyp": {
106         "Regelvarden": [
107             {
108                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
109                 "Varde": "varning"
110             },
111             {
112                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
113                 "Varde": "true"
114             },
115             {
116                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
117                 "Varde": "true"
118             },
119             {
120                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
121                 "Varde": "true"
122             }

```



```
123         {
124             "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
125             "Varde": "grupp.for.utsokning.grundavanceradniva"
126         }
127     ],
128 },
129 "Sjalvstandig": false
130 },
131 "Utbildningstyp": {
132     "Benamningar": {
133         "sv": "Kurs, avancerad nivå",
134         "en": "Course, Second-cycle"
135     },
136     "Giltighetsperiod": {},
137     "Grundtyp": "KURS",
138     "ID": 24,
139     "Kod": "2007AKURS",
140     "RegelverkForUtbildningstyp": {
141         "Regelvarden": [
142             {
143                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
144                 "Varde": "true"
145             },
146             {
147                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
148                 "Varde": "grupp.for.utsokning.grundavanceradniva"
149             },
150             {
151                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
152                 "Varde": "true"
153             },
154             {
155                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
156                 "Varde": "true"
157             },
158             {
159                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
160                 "Varde": "true"
161             },
162             {
163                 "Regelnamn": "commons.domain.regel.avbrottsregel",
164                 "Varde": "20"
165             },
166             {
167                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
168                 "Varde": "true"
169             }
170         ]
171     },
172     "Sjalvstandig": true
```

```

173     },
174     "Utbildningsversion": 1
175   }
176 }
177 ]

```

## 17.6 studystucture\_student\_JSON

We also want to get a student's study structure, that is programmes that they are admitted to.

```

315a <LadokSession data methods 95c>+≡
    # added by GQMJr
    def studystucture_student_JSON(self, uid):
        """
        Returns a dictionary of student information. This contains programmes that
        the student is admitted to.
        """
        r = self.session.get(
            url=self.base_gui_proxy_url +
                '/studiedeltagande/internal/studiestruktur/student/'+uid,
            headers=self.headers)
        if r.status_code == 200:
            return r.json()
        return None

```

Let's add a test. This should return a dictionary.

```

315b <test functions 99b>+≡
    def test_studystucture_student_JSON():
        r = ladok.studystucture_student_JSON(student_uid)
        assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Studiestrukturer": [
3  {
4  "Barn": [],
5  "Referens": "8d2faf86-73d9-11e8-b9fd-0a821ba7448e,null",
6  "Tillfallesdeltagande": {
7  "Aterbud": false,
8  "Avklarad": false,
9  "HarPagandeUppehall": false,
10 "LarosateID": 29,
11 "Nuvarande": true,
12 "Paborjad": true,
13 "SenareDel": false,
14 "Sparrad": false,
15 "Studiestrukturreferens": "8d2faf86-73d9-11e8-b9fd-0a821ba7448e,null",
16 "SummeradGodkandOmfattning": "16.0",
17 "SummeradHeltTillgodoraknadOmfattning": "24.0",

```

```

18     "SummeradTillgodoraknadOmfattning": "0.0",
19     "Tillganglighet": {
20         "RegistreringTillgangligtFranOchMed": "2014-07-01",
21         "ValTillgangligtFranOchMed": "2014-07-01"
22     },
23     "TillstandKurspaketering": {
24         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.ejpagaende.pga.inaktivitet",
25         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.ejpagaende.pga.inaktivitet",
26         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.pagaende"
27     },
28     "Uid": "8d2faf85-73d9-11e8-b9fd-0a821ba7448e",
29     "Utbildningsinformation": {
30         "AntalPerioder": 1,
31         "AvsesLedaTill": "DOKTORSEXAMEN",
32         "Benamning": {
33             "sv": "Datalogi",
34             "en": "Computer Science"
35         },
36         "Enhetskod": "HP",
37         "LarosateID": 29,
38         "Omfattningsvarde": "240.0",
39         "PeriodIOrdning": "0",
40         "Perioder": [
41             {
42                 "Index": 1,
43                 "Omfattningsvarde": "240.0",
44                 "Slutdatum": "9999-12-31",
45                 "Startdatum": "2014-07-21",
46                 "Uid": "d5eb2e64-73d8-11e8-afa7-8e408e694e54"
47             }
48         ],
49         "SenareDel": false,
50         "SpecificeratOmfattningsvarde": "240.0",
51         "StudieordningID": "1",
52         "Studieperiod": {
53             "Startdatum": "2014-07-21"
54         },
55         "UtbildningUID": "8d323cdf-73d8-11e8-afa7-8e408e694e54",
56         "UtbildningensOmfattningsvarde": "240.0",
57         "UtbildningsinstansUID": "8d31c808-73d8-11e8-b4e0-063f9afb40e3",
58         "Utbildningskod": "DATALOGI",
59         "UtbildningssamarbeteID": 134769,
60         "UtbildningstillfalleUID": "d5eab999-73d8-11e8-b4e0-063f9afb40e3",
61         "Utbildningstillfalleskod": "KONV-02DB8",
62         "Utbildningstillfallestyp": {
63             "Benamningar": {
64                 "sv": "\u00c4mnestillf\u00e4lle, forskarniv\u00e5",
65                 "en": "Subject instance, Third-cycle"
66             },
67             "Giltighetsperiod": {},

```

```

68     "Grundtyp": "KURSPAKETERING",
69     "ID": 101957,
70     "Kod": "2007FATF",
71     "RegelverkForUtbildningstyp": {
72         "Regelvarden": [
73             {
74                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
75                 "Varde": "grupp.for.utsokning.forskarniva"
76             },
77             {
78                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
79                 "Varde": "true"
80             }
81         ]
82     },
83     "Sjalvstandig": false
84 },
85 "Utbildningstyp": {
86     "Benamningar": {
87         "sv": "\u00c4mne, forskarniv\u00e5",
88         "en": "Subject, Third-cycle"
89     },
90     "Giltighetsperiod": {},
91     "Grundtyp": "KURSPAKETERING",
92     "ID": 101956,
93     "Kod": "2007FA",
94     "RegelverkForUtbildningstyp": {
95         "Regelvarden": [
96             {
97                 "Regelnamn": "commons.domain.regel.forvald.omfattning",
98                 "Varde": "240"
99             },
100             {
101                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
102                 "Varde": "grupp.for.utsokning.forskarniva"
103             },
104             {
105                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
106                 "Varde": "true"
107             },
108             {
109                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
110                 "Varde": "true"
111             }
112         ]
113     },
114     "Sjalvstandig": true
115 },
116 "Utbildningsversion": 1
117 },

```

```

118     "YtterstaPaketeringen": true
119 },
120 "Utbildningsinformation": {
121     "AntalPerioder": 1,
122     "AvsesLedaTill": "DOKTORSEXAMEN",
123     "Benamning": {
124         "sv": "Datalogi",
125         "en": "Computer Science"
126     },
127     "Enhetskod": "HP",
128     "LarosateID": 29,
129     "Omfattningsvarde": "240.0",
130     "PeriodIOrdning": "0",
131     "Perioder": [
132         {
133             "Index": 1,
134             "Omfattningsvarde": "240.0",
135             "Slutdatum": "9999-12-31",
136             "Startdatum": "2014-07-21",
137             "Uid": "d5eb2e64-73d8-11e8-afa7-8e408e694e54"
138         }
139     ],
140     "SenareDel": false,
141     "SpecificeratOmfattningsvarde": "240.0",
142     "StudieordningID": "1",
143     "Studieperiod": {
144         "Startdatum": "2014-07-21"
145     },
146     "UtbildningUID": "8d323cdf-73d8-11e8-afa7-8e408e694e54",
147     "UtbildningensOmfattningsvarde": "240.0",
148     "UtbildningsinstansUID": "8d31c808-73d8-11e8-b4e0-063f9afb40e3",
149     "Utbildningskod": "DATALOGI",
150     "UtbildningssamarbeteID": 134769,
151     "UtbildningstillfalleUID": "d5eab999-73d8-11e8-b4e0-063f9afb40e3",
152     "Utbildningstillfalleskod": "KONV-02DB8",
153     "Utbildningstillfallestyp": {
154         "Benamningar": {
155             "sv": "\u00c4mnestillf\u00e4lle, forskarniv\u00e5",
156             "en": "Subject instance, Third-cycle"
157         },
158         "Giltighetsperiod": {},
159         "Grundtyp": "KURSPAKETERING",
160         "ID": 101957,
161         "Kod": "2007FATF",
162         "RegelverkForUtbildningstyp": {
163             "Regelvarden": [
164                 {
165                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
166                     "Varde": "grupp.for.utsokning.forskarniva"
167                 }

```

```

168         {
169             "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
170             "Varde": "true"
171         }
172     ],
173 },
174     "Sjalvstandig": false
175 },
176     "Utbildningstyp": {
177         "Benamningar": {
178             "sv": "\u00c4mne, forskarniv\u00e5",
179             "en": "Subject, Third-cycle"
180         },
181         "Giltighetsperiod": {},
182         "Grundtyp": "KURSPAKETERING",
183         "ID": 101956,
184         "Kod": "2007FA",
185         "RegelverkForUtbildningstyp": {
186             "Regelvarden": [
187                 {
188                     "Regelnamn": "commons.domain.regel.forvald.omfattning",
189                     "Varde": "240"
190                 },
191                 {
192                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
193                     "Varde": "grupp.for.utsokning.forskarniva"
194                 },
195                 {
196                     "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
197                     "Varde": "true"
198                 },
199                 {
200                     "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
201                     "Varde": "true"
202                 }
203             ]
204         },
205         "Sjalvstandig": true
206     },
207     "Utbildningsversion": 1
208 }
209 },
210 {
211     "Barn": [
212         {
213             "Barn": [],
214             "Referens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
215             "ReferensTillForalder": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,null",
216             "Tillfallesdeltagande": {
217                 "Aterbud": false,

```

```

218     "Avklarad": true,
219     "Godkannandedatum": "2012-04-26",
220     "HarPagandeUppehall": false,
221     "LarosateID": 29,
222     "Nuvarande": true,
223     "Paborjad": true,
224     "Sparrad": false,
225     "Studiestrukturreferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821b",
226     "SummeradGodkandOmfattning": "300.0",
227     "SummeradHeltTillgodoraknadOmfattning": "0.0",
228     "SummeradTillgodoraknadOmfattning": "34.5",
229     "Tillganglighet": {
230       "RegistreringTillgangligtFranOchMed": "2006-08-28",
231       "ValTillgangligtFranOchMed": "2006-08-28"
232     },
233     "TillstandKurspaketering": {
234       "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
235       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.ejpagaende.pga.inaktiv",
236       "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
237     },
238     "Uid": "6ce3ffb6-73e0-11e8-b9fd-0a821ba7448e",
239     "Utbildningsinformation": {
240       "AntalPerioder": 1,
241       "Benamning": {
242         "sv": "Matematik och IT-datateknik",
243         "en": "Mathematics and Information Technology and Computer Science"
244       },
245       "Enhetskod": "HP-K",
246       "FinansieringsformID": 101050,
247       "LarosateID": 29,
248       "Omfattningsvarde": "300.0",
249       "PeriodIOrdning": "0",
250       "Perioder": [
251         {
252           "Index": 1,
253           "Omfattningsvarde": "300.0",
254           "Slutdatum": "2011-05-28",
255           "Startdatum": "2006-08-30",
256           "Uid": "54d35cc2-73db-11e8-afa7-8e408e694e54"
257         }
258       ],
259       "SenareDel": false,
260       "Studielokalisering": {
261         "sv": "Stockholm",
262         "en": "Stockholm"
263       },
264       "Studielokaliseringrepresentation": {
265         "Benamningar": {
266           "sv": "Stockholm",
267           "en": "Stockholm"

```

```

268     },
269     "Giltighetsperiod": {
270         "Slutdatum": "2019-01-14",
271         "Startdatum": "1917-10-19"
272     },
273     "ID": 131778,
274     "Kod": "0180"
275 },
276 "StudieordningID": "2",
277 "Studieperiod": {
278     "Slutdatum": "2011-05-28",
279     "Startdatum": "2006-08-30"
280 },
281 "Studietakt": {
282     "Benamning": {
283         "sv": "Helfart",
284         "en": "Full-time"
285     },
286     "Takt": 100
287 },
288 "Undervisningsform": {
289     "Benamningar": {
290         "sv": "Normal",
291         "en": "Normal teaching"
292     },
293     "Giltighetsperiod": {},
294     "ID": 1
295 },
296 "UtbildningUID": "a0bbeaf4-73d8-11e8-afa7-8e408e694e54",
297 "UtbildningensOmfattningsvarde": "300.0",
298 "UtbildningsinstansUID": "a0bbeaf2-73d8-11e8-afa7-8e408e694e54",
299 "Utbildningskod": "MADA",
300 "UtbildningstillfalleUID": "54d30e44-73db-11e8-b4e0-063f9afb40e3",
301 "Utbildningstillfalleskod": "32118",
302 "Utbildningstillfallestyp": {
303     "Benamningar": {
304         "sv": "Inriktningstillf\u00e4lle",
305         "en": "Specialisation instance"
306     },
307     "Giltighetsperiod": {},
308     "Grundtyp": "KURSPAKETERING",
309     "ID": 101961,
310     "Kod": "1993INRTF",
311     "RegelverkForUtbildningstyp": {
312         "Regelvarden": [
313             {
314                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
315                 "Varde": "true"
316             },
317             {

```



```

318         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
319         "Varde": "grupp.for.utsokning.grundavanceradniva"
320     }
321 ]
322 },
323     "Sjalvstandig": false
324 },
325     "Utbildningstyp": {
326         "Benamningar": {
327             "sv": "Inriktning",
328             "en": "Specialisation"
329         },
330         "Giltighetsperiod": {},
331         "Grundtyp": "KURSPAKETERING",
332         "ID": 101960,
333         "Kod": "1993INR",
334         "RegelverkForUtbildningstyp": {
335             "Regelvarden": [
336                 {
337                     "Regelnamn": "commons.domain.regel.sjalvstandig",
338                     "Varde": "false"
339                 },
340                 {
341                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
342                     "Varde": "true"
343                 },
344                 {
345                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
346                     "Varde": "grupp.for.utsokning.grundavanceradniva"
347                 }
348             ]
349         },
350         "Sjalvstandig": false
351     },
352     "Utbildningsversion": 1
353 },
354     "YtterstaPaketeringen": false
355 },
356     "Utbildningsinformation": {
357         "AntalPerioder": 1,
358         "Benamning": {
359             "sv": "Matematik och IT-datateknik",
360             "en": "Mathematics and Information Technology and Computer Science"
361         },
362         "Enhetskod": "HP-K",
363         "FinansieringsformID": 101050,
364         "LarosateID": 29,
365         "Omfattningsvarde": "300.0",
366         "PeriodIOrdning": "0",
367         "Perioder": [

```

```

368         {
369             "Index": 1,
370             "Omfattningsvarde": "300.0",
371             "Slutdatum": "2011-05-28",
372             "Startdatum": "2006-08-30",
373             "UId": "54d35cc2-73db-11e8-afa7-8e408e694e54"
374         }
375     ],
376     "SenareDel": false,
377     "Studielokalisering": {
378         "sv": "Stockholm",
379         "en": "Stockholm"
380     },
381     "Studielokaliseringrepresentation": {
382         "Benamningar": {
383             "sv": "Stockholm",
384             "en": "Stockholm"
385         },
386         "Giltighetsperiod": {
387             "Slutdatum": "2019-01-14",
388             "Startdatum": "1917-10-19"
389         },
390         "ID": 131778,
391         "Kod": "0180"
392     },
393     "StudieordningID": "2",
394     "Studieperiod": {
395         "Slutdatum": "2011-05-28",
396         "Startdatum": "2006-08-30"
397     },
398     "Studietakt": {
399         "Benamning": {
400             "sv": "Helfart",
401             "en": "Full-time"
402         },
403         "Takt": 100
404     },
405     "Undervisningsform": {
406         "Benamningar": {
407             "sv": "Normal",
408             "en": "Normal teaching"
409         },
410         "Giltighetsperiod": {},
411         "ID": 1
412     },
413     "UtbildningUID": "a0bbeaf4-73d8-11e8-afa7-8e408e694e54",
414     "UtbildningensOmfattningsvarde": "300.0",
415     "UtbildningsinstansUID": "a0bbeaf2-73d8-11e8-afa7-8e408e694e54",
416     "Utbildningskod": "MADA",
417     "UtbildningstillfalleUID": "54d30e44-73db-11e8-b4e0-063f9afb40e3",

```

```

418     "Utbildningstillfalleskod": "32118",
419     "Utbildningstillfallestyp": {
420         "Benamningar": {
421             "sv": "Inriktningstillf\u00e4lle",
422             "en": "Specialisation instance"
423         },
424         "Giltighetsperiod": {},
425         "Grundtyp": "KURSPAKETERING",
426         "ID": 101961,
427         "Kod": "1993INRTF",
428         "RegelverkForUtbildningstyp": {
429             "Regelvarden": [
430                 {
431                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
432                     "Varde": "true"
433                 },
434                 {
435                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
436                     "Varde": "grupp.for.utsokning.grundavanceradniva"
437                 }
438             ]
439         },
440         "Sjalvstandig": false
441     },
442     "Utbildningstyp": {
443         "Benamningar": {
444             "sv": "Inriktning",
445             "en": "Specialisation"
446         },
447         "Giltighetsperiod": {},
448         "Grundtyp": "KURSPAKETERING",
449         "ID": 101960,
450         "Kod": "1993INR",
451         "RegelverkForUtbildningstyp": {
452             "Regelvarden": [
453                 {
454                     "Regelnamn": "commons.domain.regel.sjalvstandig",
455                     "Varde": "false"
456                 },
457                 {
458                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
459                     "Varde": "true"
460                 },
461                 {
462                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
463                     "Varde": "grupp.for.utsokning.grundavanceradniva"
464                 }
465             ]
466         },
467         "Sjalvstandig": false

```

```

468         },
469         "Utbildningsversion": 1
470     }
471 }
472 ],
473 "Referens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,null",
474 "Tillfallesdeltagande": {
475     "Aterbud": false,
476     "Avklarad": true,
477     "Godkannandedatum": "2012-04-26",
478     "HarPagandeUppehall": false,
479     "LarosateID": 29,
480     "Nuvarande": true,
481     "Paborjad": true,
482     "SenareDel": false,
483     "Sparrad": false,
484     "Studiestruktureferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,null",
485     "SummeradGodkandOmfattning": "300.0",
486     "SummeradHeltTillgodoraknadOmfattning": "13.5",
487     "SummeradTillgodoraknadOmfattning": "34.5",
488     "Tillganglighet": {
489         "RegistreringTillgangligtFranOchMed": "2006-08-28",
490         "ValTillgangligtFranOchMed": "2006-08-28"
491     },
492     "TillstandKurspaketering": {
493         "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
494         "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.ejpagaende.pga.inaktivitet",
495         "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
496     },
497     "Uid": "6cd8b546-73e0-11e8-b9fd-0a821ba7448e",
498     "Utbildningsinformation": {
499         "AntalPerioder": 1,
500         "Benamning": {
501             "sv": "Civilingenj\u00f6r och l\u00e4rare",
502             "en": "Master of Science in Engineering and of Education"
503         },
504         "Enhetskod": "HP",
505         "FinansieringsformID": 101050,
506         "LarosateID": 29,
507         "Omfattningsvarde": "300.0",
508         "PeriodIOrdning": "0",
509         "Perioder": [
510             {
511                 "Index": 1,
512                 "Omfattningsvarde": "300.0",
513                 "Slutdatum": "2011-05-28",
514                 "Startdatum": "2006-08-30",
515                 "Uid": "d674e59d-73da-11e8-afa7-8e408e694e54"
516             }
517         ],

```

```

518     "SenareDel": false,
519     "Studielokalisering": {
520         "sv": "Stockholm",
521         "en": "Stockholm"
522     },
523     "Studielokaliseringrepresentation": {
524         "Benamningar": {
525             "sv": "Stockholm",
526             "en": "Stockholm"
527         },
528         "Giltighetsperiod": {
529             "Slutdatum": "2019-01-14",
530             "Startdatum": "1917-10-19"
531         },
532         "ID": 131778,
533         "Kod": "0180"
534     },
535     "StudieordningID": "1",
536     "Studieperiod": {
537         "Slutdatum": "2011-05-28",
538         "Startdatum": "2006-08-30"
539     },
540     "Studietakt": {
541         "Benamning": {
542             "sv": "Helfart",
543             "en": "Full-time"
544         },
545         "Takt": 100
546     },
547     "Undervisningsform": {
548         "Benamningar": {
549             "sv": "Normal",
550             "en": "Normal teaching"
551         },
552         "Giltighetsperiod": {},
553         "ID": 1
554     },
555     "UtbildningUID": "a0ae2f2c-73d8-11e8-afa7-8e408e694e54",
556     "UtbildningensOmfattningsvarde": "300.0",
557     "UtbildningsinstansUID": "a0ae2f1d-73d8-11e8-afa7-8e408e694e54",
558     "Utbildningskod": "CL",
559     "UtbildningstillfalleUID": "d67449a2-73da-11e8-b4e0-063f9afb40e3",
560     "Utbildningstillfalleskod": "KONV-0008B",
561     "Utbildningstillfallestyp": {
562         "Benamningar": {
563             "sv": "Programtillf\u00e4lle",
564             "en": "Programme instance"
565         },
566         "Giltighetsperiod": {},
567         "Grundtyp": "KURSPAKETERING",

```

```

568     "ID": 94,
569     "Kod": "2007PRGTF",
570     "RegelverkForUtbildningstyp": {
571         "Regelvarden": [
572             {
573                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
574                 "Varde": "true"
575             },
576             {
577                 "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
578                 "Varde": "varning"
579             },
580             {
581                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
582                 "Varde": "grupp.for.utsokning.grundavanceradniva"
583             },
584             {
585                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
586                 "Varde": "true"
587             },
588             {
589                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
590                 "Varde": "true"
591             }
592         ]
593     },
594     "Sjalvstandig": false
595 },
596 "Utbildningstyp": {
597     "Benamningar": {
598         "sv": "Program",
599         "en": "Programme"
600     },
601     "Giltighetsperiod": {},
602     "Grundtyp": "KURSPAKETERING",
603     "ID": 78,
604     "Kod": "2007PRG",
605     "RegelverkForUtbildningstyp": {
606         "Regelvarden": [
607             {
608                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
609                 "Varde": "true"
610             },
611             {
612                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
613                 "Varde": "true"
614             },
615             {
616                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
617                 "Varde": "grupp.for.utsokning.grundavanceradniva"

```

```

618         },
619         {
620             "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
621             "Varde": "true"
622         }
623     ],
624     },
625     "Sjalvstandig": true
626 },
627 "Utbildningsversion": 1
628 },
629 "YtterstaPaketeringen": true
630 },
631 "Utbildningsinformation": {
632     "AntalPerioder": 1,
633     "Benamning": {
634         "sv": "Civilingenj\u00f6r och l\u00e4rare",
635         "en": "Master of Science in Engineering and of Education"
636     },
637     "Enhetskod": "HP",
638     "FinansieringsformID": 101050,
639     "LarosateID": 29,
640     "Omfattningsvarde": "300.0",
641     "PeriodIOrdning": "0",
642     "Perioder": [
643         {
644             "Index": 1,
645             "Omfattningsvarde": "300.0",
646             "Slutdatum": "2011-05-28",
647             "Startdatum": "2006-08-30",
648             "Uid": "d674e59d-73da-11e8-afa7-8e408e694e54"
649         }
650     ],
651     "SenareDel": false,
652     "Studielokalisering": {
653         "sv": "Stockholm",
654         "en": "Stockholm"
655     },
656     "Studielokaliseringrepresentation": {
657         "Benamningar": {
658             "sv": "Stockholm",
659             "en": "Stockholm"
660         },
661         "Giltighetsperiod": {
662             "Slutdatum": "2019-01-14",
663             "Startdatum": "1917-10-19"
664         },
665         "ID": 131778,
666         "Kod": "0180"
667     },

```

```

668     "StudieordningID": "1",
669     "Studieperiod": {
670         "Slutdatum": "2011-05-28",
671         "Startdatum": "2006-08-30"
672     },
673     "Studietakt": {
674         "Benamning": {
675             "sv": "Helfart",
676             "en": "Full-time"
677         },
678         "Takt": 100
679     },
680     "Undervisningsform": {
681         "Benamningar": {
682             "sv": "Normal",
683             "en": "Normal teaching"
684         },
685         "Giltighetsperiod": {},
686         "ID": 1
687     },
688     "UtbildningUID": "a0ae2f2c-73d8-11e8-afa7-8e408e694e54",
689     "UtbildningensOmfattningsvarde": "300.0",
690     "UtbildningsinstansUID": "a0ae2f1d-73d8-11e8-afa7-8e408e694e54",
691     "Utbildningskod": "CL",
692     "UtbildningstillfalleUID": "d67449a2-73da-11e8-b4e0-063f9afb40e3",
693     "Utbildningstillfalleskod": "KONV-0008B",
694     "Utbildningstillfallestyp": {
695         "Benamningar": {
696             "sv": "Programtillf\u00e4lle",
697             "en": "Programme instance"
698         },
699         "Giltighetsperiod": {},
700         "Grundtyp": "KURSPAKETERING",
701         "ID": 94,
702         "Kod": "2007PRGTF",
703         "RegelverkForUtbildningstyp": {
704             "Regelvarden": [
705                 {
706                     "Regelnamn": "commons.domain.regel.kan.utannonseras",
707                     "Varde": "true"
708                 },
709                 {
710                     "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
711                     "Varde": "varning"
712                 },
713                 {
714                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
715                     "Varde": "grupp.for.utsokning.grundavanceradniva"
716                 },
717                 {

```



```

718         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
719         "Varde": "true"
720     },
721     {
722         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
723         "Varde": "true"
724     }
725 ]
726 },
727 "Sjalvstandig": false
728 },
729 "Utbildningstyp": {
730     "Benamningar": {
731         "sv": "Program",
732         "en": "Programme"
733     },
734     "Giltighetsperiod": {},
735     "Grundtyp": "KURSPAKETERING",
736     "ID": 78,
737     "Kod": "2007PRG",
738     "RegelverkForUtbildningstyp": {
739         "Regelvarden": [
740             {
741                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
742                 "Varde": "true"
743             },
744             {
745                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
746                 "Varde": "true"
747             },
748             {
749                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
750                 "Varde": "grupp.for.utsokning.grundavanceradniva"
751             },
752             {
753                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
754                 "Varde": "true"
755             }
756         ]
757     },
758     "Sjalvstandig": true
759 },
760 "Utbildningsversion": 1
761 }
762 }
763 ]
764 }

```

## Chapter 18

# Course-related API calls

### 18.1 search\_course\_rounds\_JSON

We want to search for course rounds by one or more keys.

```
331a <LadokSession data methods 95c>+≡
def search_course_rounds_JSON(self, /, **kwargs):
    """Query LADOK about course rounds, possible keys:
    code, round_code, name
    """
    url = "/resultat/internal/kurstillfalle/filtrera?"

    if "code" in kwargs:
        url += f"kurskod={kwargs['code']}&"
    if "name" in kwargs:
        url += f"benamning={kwargs['name']}&"
    if "round_code" in kwargs:
        url += f"tillfalleskod={kwargs['round_code']}&"

    url += "page=1&limit=400&sprakkod=sv"

    response = self.get_query(url)

    if response.status_code == requests.codes.ok:
        return response.json()["Resultat"]
    raise Exception(f"search_course_rounds_JSON failed: {response.text}")
```

We add the following test.

```
331b <test functions 99b>+≡
def test_search_course_rounds_JSON():
    results = ladok.search_course_rounds_JSON(code="DD1317")
    assert results
```

This code is used in chunk 94.

The output looks like this.

```
1  [
2    {
3      "FinansieringsformID": 101050,
```

```

4      "Slutdatum": "2025-01-13",
5      "Startdatum": "2024-08-26",
6      "StudielokaliseringID": 135195,
7      "StudietaktID": 6,
8      "TillfallesKod": "51345",
9      "Uid": "500c3e9f-8f71-11ee-b4f1-bdc8f0e04f23",
10     "UndervisningsformID": 1,
11     "Utbildningsinstans": {
12         "Avvecklad": false,
13         "Benamning": [
14             {
15                 "Sprakkod": "sv",
16                 "Text": "Programmeringsteknik"
17             },
18             {
19                 "Sprakkod": "en",
20                 "Text": "Programming Techniques"
21             }
22         ],
23         "Enhet": "HP",
24         "GallerUtbildningUtanAngivenOmfattning": false,
25         "Omfattning": 7.5,
26         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
27         "ResultatPaKursVidAttesteringAvModul": false,
28         "Uid": "70d5fdb1-2db7-11ec-bb06-8c8c04c8482a",
29         "UtbildningUID": "70d5fdb9-2db7-11ec-bb06-8c8c04c8482a",
30         "Utbildningskod": "DD1317",
31         "Versionsnummer": 1
32     }
33 },
34 {
35     "FinansieringsformID": 101050,
36     "Slutdatum": "2024-01-15",
37     "Startdatum": "2023-08-28",
38     "StudielokaliseringID": 135195,
39     "StudietaktID": 6,
40     "TillfallesKod": "50566",
41     "Uid": "04217d06-7baf-11ed-83fc-99df00a14a2f",
42     "UndervisningsformID": 1,
43     "Utbildningsinstans": {
44         "Avvecklad": false,
45         "Benamning": [
46             {
47                 "Sprakkod": "sv",
48                 "Text": "Programmeringsteknik"
49             },
50             {
51                 "Sprakkod": "en",
52                 "Text": "Programming Techniques"
53             }
54         ]
55     }
56 }

```

```

54     ],
55     "Enhet": "HP",
56     "GallerUtbildningUtanAngivenOmfattning": false,
57     "Omfattning": 7.5,
58     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
59     "ResultatPaKursVidAttesteringAvModul": false,
60     "Uid": "70d5fdb1-2db7-11ec-bb06-8c8c04c8482a",
61     "UtbildningUID": "70d5fdb9-2db7-11ec-bb06-8c8c04c8482a",
62     "Utbildningskod": "DD1317",
63     "Versionsnummer": 1
64   }
65 },
66 {
67   "FinansieringsformID": 101050,
68   "Slutdatum": "2023-01-16",
69   "Startdatum": "2022-08-29",
70   "StudielokaliseringID": 135195,
71   "StudietaktID": 6,
72   "TillfallesKod": "51035",
73   "Uid": "e45347cc-5cbd-11ec-b92f-2b1dd40a480d",
74   "UndervisningsformID": 1,
75   "Utbildningsinstans": {
76     "Avvecklad": false,
77     "Benamning": [
78       {
79         "Sprakkod": "sv",
80         "Text": "Programmeringsteknik"
81       },
82       {
83         "Sprakkod": "en",
84         "Text": "Programming Techniques"
85       }
86     ],
87     "Enhet": "HP",
88     "GallerUtbildningUtanAngivenOmfattning": false,
89     "Omfattning": 7.5,
90     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
91     "ResultatPaKursVidAttesteringAvModul": false,
92     "Uid": "70d5fdb1-2db7-11ec-bb06-8c8c04c8482a",
93     "UtbildningUID": "70d5fdb9-2db7-11ec-bb06-8c8c04c8482a",
94     "Utbildningskod": "DD1317",
95     "Versionsnummer": 1
96   }
97 }
98 ]

```

## 18.2 course\_rounds\_JSON

This method fetches all course rounds that uses the given course instance.

334a `<LadokSession data methods 95c>+≡`

```
def course_rounds_JSON(self, course_instance_id):
    """Requires course instance ID"""
    response = self.get_query(
        f"/resultat/internal/kurstillfalle/kursinstans/{course_instance_id}")

    if response.status_code == requests.codes.ok:
        return response.json()["Utbildningstillfalle"]
    raise Exception(f"can't list course round for course {course_instance_id}: "
                    f"{response.text}")
```

We test this method as follows.

334b `<test functions 99b>+≡`

```
def test_course_rounds_JSON():
    results = ladok.course_rounds_JSON(dasak_instance_id)
    assert json.dumps(results[:1]+results[-1:], indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1  [
2    {
3      "FinansieringsformID": 131738,
4      "Slutdatum": "2019-01-14",
5      "Startdatum": "2018-10-29",
6      "StudielokaliseringID": 131778,
7      "StudietaktID": 5,
8      "TillfallesKod": "10069",
9      "UId": "79b4b213-73da-11e8-b4e0-063f9afb40e3",
10     "UndervisningsformID": 1,
11     "Utbildningsinstans": {
12       "Avvecklad": false,
13       "Benamning": [
14         {
15           "Sprakkod": "sv",
16           "Text": "Datasäkerhet"
17         },
18         {
19           "Sprakkod": "en",
20           "Text": "Computer Security"
21         }
22       ],
23       "Enhet": "HP",
24       "GallerUtbildningUtanAngivenOmfattning": false,
25       "Omfattning": 6.0,
26       "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
27       "ResultatPaKursVidAttesteringAvModul": false,
28       "UId": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
29       "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
30       "Utbildningskod": "DD2395",
31       "Versionsnummer": 1
```

```

32     }
33   },
34   {
35     "FinansieringsformID": 102075,
36     "Slutdatum": "2008-01-11",
37     "Startdatum": "2007-08-31",
38     "StudielokaliseringID": 131778,
39     "StudietaktID": 1,
40     "TillfallesKod": "X0054",
41     "Uid": "79a48556-73da-11e8-b4e0-063f9afb40e3",
42     "UndervisningsformID": 1,
43     "Utbildningsinstans": {
44       "Avvecklad": false,
45       "Benamning": [
46         {
47           "Sprakkod": "sv",
48           "Text": "Datasäkerhet"
49         },
50         {
51           "Sprakkod": "en",
52           "Text": "Computer Security"
53         }
54       ],
55       "Enhet": "HP",
56       "GallerUtbildningUtanAngivenOmfattning": false,
57       "Omfattning": 6.0,
58       "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
59       "ResultatPaKursVidAttesteringAvModul": false,
60       "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
61       "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
62       "Utbildningskod": "DD2395",
63       "Versionsnummer": 1
64     }
65   }
66 ]

```

### 18.3 course\_instance\_JSON

This method fetches the data for a given course instance. It requires the course instance ID. (This is a slightly rewritten version of Maguire's original method.)

```

335 <LadokSession data methods 95c>+≡
    def course_instance_JSON(self, instance_id):
        """Returns course instance data for a course with instance ID instance_id"""
        response = self.get_query(
            f"/resultat/internal/utbildningsinstans/kursinstans/{instance_id}")

        if response.status_code == requests.codes.ok:
            return response.json()
        raise Exception(f"can't get course instance data for {instance_id}: ")

```

```
f"{response.text}")
```

We add the following test.

```
336a <test functions 99b>+≡
def test_course_instance_JSON():
    results = ladok.course_instance_JSON(dasak_instance_id)
    assert json.dumps(results, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1 {
2   "Avvecklad": false,
3   "Benamning": [
4     {
5       "Sprakkod": "sv",
6       "Text": "Datasäkerhet"
7     },
8     {
9       "Sprakkod": "en",
10      "Text": "Computer Security"
11    }
12  ],
13  "BetygsskalaID": 131657,
14  "Enhet": "HP",
15  "GallerUtbildningUtanAngivenOmfattning": false,
16  "KravPaHanvisningTillBeslutshandling": false,
17  "KravPaProjekttitel": false,
18  "Omfattning": 6.0,
19  "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
20  "ResultatPaKursVidAttesteringAvModul": false,
21  "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
22  "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
23  "Utbildningskod": "DD2395",
24  "Versionsnummer": 1
25 }
```

## 18.4 course\_instances\_JSON

We can get a list of course instances for a given course code.

```
336b <LadokSession data methods 95c>+≡
# added by GQMjr
def course_instances_JSON(self, course_code, lang = 'sv'):
    """
    Returns a list of dictionaries with course instances for a given course code.
    The course code is a string such as "DD1310". The language code is 'en' or
    'sv'.

    Note that there seems to be a limit of 403 for the number of pages.
    """
    r = self.session.get(
```

```

url=self.base_gui_proxy_url + '/resultat/internal/kurstillfalle/filtrera?kurskod=' +
course_code + '&page=1&limit=100&skipCount=false&sprakkod=' + lang, # not sure about this one /CO
headers=self.headers).json()
return r

```

Let's add a test. This should return a list of dictionaries.

```

337 <test functions 99b>+≡
def test_course_instances_JSON():
    r = ladok.course_instances_JSON('DD2395')
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1 {
2   "Resultat": [
3     {
4       "FinansieringsformID": 101050,
5       "Slutdatum": "2024-10-27",
6       "Startdatum": "2024-08-26",
7       "StudielokaliseringID": 135195,
8       "StudietaktID": 4,
9       "TillfallesKod": "50258",
10      "UId": "4e53bc95-9510-11ee-89bd-fb7e5a884889",
11      "UndervisningsformID": 1,
12      "Utbildningsinstans": {
13        "Avvecklad": false,
14        "Benamning": [
15          {
16            "Sprakkod": "sv",
17            "Text": "Datas\u00e4kerhet"
18          },
19          {
20            "Sprakkod": "en",
21            "Text": "Computer Security"
22          }
23        ],
24        "Enhet": "HP",
25        "GallerUtbildningUtanAngivenOmfattning": false,
26        "Omfattning": 6.0,
27        "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
28        "ResultatPaKursVidAttesteringAvModul": false,
29        "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
30        "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
31        "Utbildningskod": "DD2395",
32        "Versionsnummer": 2
33      }
34    ],
35    {
36      "FinansieringsformID": 131738,
37      "Slutdatum": "2024-10-27",

```



```

38     "Startdatum": "2024-08-26",
39     "StudielokaliseringID": 135195,
40     "StudietaktID": 4,
41     "TillfallesKod": "50771",
42     "UId": "8831875c-c039-11ee-808d-44099ccf4330",
43     "UndervisningsformID": 1,
44     "Utbildningsinstans": {
45         "Avvecklad": false,
46         "Benamning": [
47             {
48                 "Sprakkod": "sv",
49                 "Text": "Datas\u00e4kerhet"
50             },
51             {
52                 "Sprakkod": "en",
53                 "Text": "Computer Security"
54             }
55         ],
56         "Enhet": "HP",
57         "GallerUtbildningUtanAngivenOmfattning": false,
58         "Omfattning": 6.0,
59         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
60         "ResultatPaKursVidAttestingAvModul": false,
61         "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
62         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
63         "Utbildningskod": "DD2395",
64         "Versionsnummer": 2
65     }
66 },
67 {
68     "FinansieringsformID": 131738,
69     "Slutdatum": "2023-10-27",
70     "Startdatum": "2023-08-28",
71     "StudielokaliseringID": 135195,
72     "StudietaktID": 4,
73     "TillfallesKod": "50689",
74     "UId": "2ab9eec3-b103-11ed-9558-ce533d014043",
75     "UndervisningsformID": 1,
76     "Utbildningsinstans": {
77         "Avvecklad": false,
78         "Benamning": [
79             {
80                 "Sprakkod": "sv",
81                 "Text": "Datas\u00e4kerhet"
82             },
83             {
84                 "Sprakkod": "en",
85                 "Text": "Computer Security"
86             }
87         ],

```

```

88     "Enhet": "HP",
89     "GallerUtbildningUtanAngivenOmfattning": false,
90     "Omfattning": 6.0,
91     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
92     "ResultatPaKursVidAttestingAvModul": false,
93     "Uid": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
94     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
95     "Utbildningskod": "DD2395",
96     "Versionsnummer": 2
97   }
98 },
99 {
100   "FinansieringsformID": 101050,
101   "Slutdatum": "2023-10-27",
102   "Startdatum": "2023-08-28",
103   "StudielokaliseringID": 135195,
104   "StudietaktID": 4,
105   "TillfallesKod": "51358",
106   "Uid": "a6252c41-7c82-11ed-ba16-099432b5488e",
107   "UndervisningsformID": 1,
108   "Utbildningsinstans": {
109     "Avvecklad": false,
110     "Benamning": [
111       {
112         "Sprakkod": "sv",
113         "Text": "Datas\u00e4kerhet"
114       },
115       {
116         "Sprakkod": "en",
117         "Text": "Computer Security"
118       }
119     ],
120     "Enhet": "HP",
121     "GallerUtbildningUtanAngivenOmfattning": false,
122     "Omfattning": 6.0,
123     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
124     "ResultatPaKursVidAttestingAvModul": false,
125     "Uid": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
126     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
127     "Utbildningskod": "DD2395",
128     "Versionsnummer": 2
129   }
130 },
131 {
132   "FinansieringsformID": 131738,
133   "Slutdatum": "2022-10-28",
134   "Startdatum": "2022-08-29",
135   "StudielokaliseringID": 135195,
136   "StudietaktID": 4,
137   "TillfallesKod": "50537",

```

```

138     "UId": "ae6da0f4-9582-11ec-823c-971220ed4206",
139     "UndervisningsformID": 1,
140     "Utbildningsinstans": {
141         "Avvecklad": false,
142         "Benamning": [
143             {
144                 "Sprakkod": "sv",
145                 "Text": "Datas\u00e4kerhet"
146             },
147             {
148                 "Sprakkod": "en",
149                 "Text": "Computer Security"
150             }
151         ],
152         "Enhet": "HP",
153         "GallerUtbildningUtanAngivenOmfattning": false,
154         "Omfattning": 6.0,
155         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
156         "ResultatPaKursVidAttesteringAvModul": false,
157         "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
158         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
159         "Utbildningskod": "DD2395",
160         "Versionsnummer": 2
161     }
162 },
163 {
164     "FinansieringsformID": 101050,
165     "Slutdatum": "2022-10-28",
166     "Startdatum": "2022-08-29",
167     "StudielokaliseringID": 135195,
168     "StudietaktID": 4,
169     "TillfallesKod": "52315",
170     "UId": "a3f17d37-7454-11ec-bef7-64c095574187",
171     "UndervisningsformID": 1,
172     "Utbildningsinstans": {
173         "Avvecklad": false,
174         "Benamning": [
175             {
176                 "Sprakkod": "sv",
177                 "Text": "Datas\u00e4kerhet"
178             },
179             {
180                 "Sprakkod": "en",
181                 "Text": "Computer Security"
182             }
183         ],
184         "Enhet": "HP",
185         "GallerUtbildningUtanAngivenOmfattning": false,
186         "Omfattning": 6.0,
187         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",

```

```

188     "ResultatPaKursVidAttestingAvModul": false,
189     "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
190     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
191     "Utbildningskod": "DD2395",
192     "Versionsnummer": 2
193 }
194 },
195 {
196     "FinansieringsformID": 131716,
197     "Slutdatum": "2021-10-29",
198     "Startdatum": "2021-08-30",
199     "StudielokaliseringID": 135195,
200     "StudietaktID": 4,
201     "TillfallesKod": "50843",
202     "UId": "0ef5ff29-c8f4-11eb-b055-c7e161b04731",
203     "UndervisningsformID": 1,
204     "Utbildningsinstans": {
205         "Avvecklad": false,
206         "Benamning": [
207             {
208                 "Sprakkod": "sv",
209                 "Text": "Datas\u00e4kerhet"
210             },
211             {
212                 "Sprakkod": "en",
213                 "Text": "Computer Security"
214             }
215         ],
216         "Enhet": "HP",
217         "GallerUtbildningUtanAngivenOmfattning": false,
218         "Omfattning": 6.0,
219         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
220         "ResultatPaKursVidAttestingAvModul": false,
221         "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
222         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
223         "Utbildningskod": "DD2395",
224         "Versionsnummer": 2
225     }
226 },
227 {
228     "FinansieringsformID": 101050,
229     "Slutdatum": "2021-10-29",
230     "Startdatum": "2021-08-30",
231     "StudielokaliseringID": 135195,
232     "StudietaktID": 4,
233     "TillfallesKod": "51273",
234     "UId": "c1bf15d8-3eaa-11eb-b960-5f936a674375",
235     "UndervisningsformID": 1,
236     "Utbildningsinstans": {
237         "Avvecklad": false,

```

```

238     "Benamning": [
239         {
240             "Sprakkod": "sv",
241             "Text": "Datas\u00e4kerhet"
242         },
243         {
244             "Sprakkod": "en",
245             "Text": "Computer Security"
246         }
247     ],
248     "Enhet": "HP",
249     "GallerUtbildningUtanAngivenOmfattning": false,
250     "Omfattning": 6.0,
251     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
252     "ResultatPaKursVidAttestingAvModul": false,
253     "Uid": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
254     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
255     "Utbildningskod": "DD2395",
256     "Versionsnummer": 2
257 }
258 },
259 {
260     "FinansieringsformID": 131738,
261     "Slutdatum": "2021-01-15",
262     "Startdatum": "2020-10-26",
263     "StudielokaliseringID": 135195,
264     "StudietaktID": 5,
265     "TillfallesKod": "10042",
266     "Uid": "b1d68944-41e3-11ea-b8cf-f5b51a134413",
267     "UndervisningsformID": 1,
268     "Utbildningsinstans": {
269         "Avvecklad": false,
270         "Benamning": [
271             {
272                 "Sprakkod": "sv",
273                 "Text": "Datas\u00e4kerhet"
274             },
275             {
276                 "Sprakkod": "en",
277                 "Text": "Computer Security"
278             }
279         ],
280         "Enhet": "HP",
281         "GallerUtbildningUtanAngivenOmfattning": false,
282         "Omfattning": 6.0,
283         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
284         "ResultatPaKursVidAttestingAvModul": false,
285         "Uid": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
286         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
287         "Utbildningskod": "DD2395",

```

```

288     "Versionsnummer": 2
289   }
290 },
291 {
292   "FinansieringsformID": 101050,
293   "Slutdatum": "2021-01-15",
294   "Startdatum": "2020-10-26",
295   "StudielokaliseringID": 135195,
296   "StudietaktID": 5,
297   "TillfallesKod": "50677",
298   "Uid": "8d06223a-1cbc-11ea-a622-3565135944de",
299   "UndervisningsformID": 1,
300   "Utbildningsinstans": {
301     "Avvecklad": false,
302     "Benamning": [
303       {
304         "Sprakkod": "sv",
305         "Text": "Datas\u00e4kerhet"
306       },
307       {
308         "Sprakkod": "en",
309         "Text": "Computer Security"
310       }
311     ],
312     "Enhet": "HP",
313     "GallerUtbildningUtanAngivenOmfattning": false,
314     "Omfattning": 6.0,
315     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
316     "ResultatPaKursVidAttestingAvModul": false,
317     "Uid": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
318     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
319     "Utbildningskod": "DD2395",
320     "Versionsnummer": 2
321   }
322 },
323 {
324   "FinansieringsformID": 131738,
325   "Slutdatum": "2020-01-14",
326   "Startdatum": "2019-10-28",
327   "StudielokaliseringID": 135195,
328   "StudietaktID": 5,
329   "TillfallesKod": "10084",
330   "Uid": "5750a588-38e5-11e9-8f73-bdf515e44268",
331   "UndervisningsformID": 1,
332   "Utbildningsinstans": {
333     "Avvecklad": false,
334     "Benamning": [
335       {
336         "Sprakkod": "sv",
337         "Text": "Datas\u00e4kerhet"

```

```

338     },
339     {
340         "Sprakkod": "en",
341         "Text": "Computer Security"
342     }
343 ],
344 "Enhet": "HP",
345 "GallerUtbildningUtanAngivenOmfattning": false,
346 "Omfattning": 6.0,
347 "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
348 "ResultatPaKursVidAttestingAvModul": false,
349 "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
350 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
351 "Utbildningskod": "DD2395",
352 "Versionsnummer": 2
353 }
354 },
355 {
356     "FinansieringsformID": 101050,
357     "Slutdatum": "2020-01-14",
358     "Startdatum": "2019-10-28",
359     "StudielokaliseringID": 135195,
360     "StudietaktID": 5,
361     "TillfallesKod": "50259",
362     "UId": "6199e45b-f88e-11e8-9614-d09e533d4323",
363     "UndervisningsformID": 1,
364     "Utbildningsinstans": {
365         "Avvecklad": false,
366         "Benamning": [
367             {
368                 "Sprakkod": "sv",
369                 "Text": "Datas\u00e4kerhet"
370             },
371             {
372                 "Sprakkod": "en",
373                 "Text": "Computer Security"
374             }
375         ],
376         "Enhet": "HP",
377         "GallerUtbildningUtanAngivenOmfattning": false,
378         "Omfattning": 6.0,
379         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
380         "ResultatPaKursVidAttestingAvModul": false,
381         "UId": "55ec9709-d6c5-11e8-8fd5-cf9d2c5c41ba",
382         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
383         "Utbildningskod": "DD2395",
384         "Versionsnummer": 2
385     }
386 },
387 {

```

```

388     "FinansieringsformID": 131738,
389     "Slutdatum": "2019-01-14",
390     "Startdatum": "2018-10-29",
391     "StudielokaliseringID": 131778,
392     "StudietaktID": 5,
393     "TillfallesKod": "10069",
394     "Uid": "79b4b213-73da-11e8-b4e0-063f9afb40e3",
395     "UndervisningsformID": 1,
396     "Utbildningsinstans": {
397         "Avvecklad": false,
398         "Benamning": [
399             {
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1942         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
1943         "Utbildningskod": "DD2395",
1944         "Versionsnummer": 1
1945     }
1946 },
1947 {
1948     "FinansieringsformID": 131743,
1949     "Slutdatum": "2009-01-10",
1950     "Startdatum": "2008-08-29",
1951     "StudielokaliseringID": 131778,
1952     "StudietaktID": 1,
1953     "TillfallesKod": "51592",
1954     "Uid": "79a52198-73da-11e8-b4e0-063f9afb40e3",
1955     "UndervisningsformID": 1,
1956     "Utbildningsinstans": {
1957         "Avvecklad": false,
1958         "Benamning": [
1959             {
1960                 "Sprakkod": "sv",
1961                 "Text": "Datas\u00e4kerhet"
1962             },
1963             {
1964                 "Sprakkod": "en",
1965                 "Text": "Computer Security"
1966             }
1967         ],
1968         "Enhet": "HP",
1969         "GallerUtbildningUtanAngivenOmfattning": false,
1970         "Omfattning": 6.0,
1971         "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
1972         "ResultatPaKursVidAttesteringAvModul": false,
1973         "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
1974         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
1975         "Utbildningskod": "DD2395",
1976         "Versionsnummer": 1
1977     }
1978 },
1979 {
1980     "Slutdatum": "2009-01-10",
1981     "Startdatum": "2008-08-29",
1982     "TillfallesKod": "KONV-009CAF",
1983     "Uid": "016ef16a-73db-11e8-b4e0-063f9afb40e3",
1984     "Utbildningsinstans": {
1985         "Avvecklad": false,
1986         "Benamning": [
1987             {

```

```

1988         "Sprakkod": "sv",
1989         "Text": "Datas\u00e4kerhet"
1990     },
1991     {
1992         "Sprakkod": "en",
1993         "Text": "Computer Security"
1994     }
1995 ],
1996 "Enhet": "HP",
1997 "GallerUtbildningUtanAngivenOmfattning": false,
1998 "Omfattning": 6.0,
1999 "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
2000 "ResultatPaKursVidAttesteringAvModul": false,
2001 "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
2002 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
2003 "Utbildningskod": "DD2395",
2004 "Versionsnummer": 1
2005 }
2006 },
2007 {
2008     "FinansieringsformID": 101050,
2009     "Slutdatum": "2008-05-26",
2010     "Startdatum": "2008-01-14",
2011     "StudielokaliseringID": 131778,
2012     "StudietaktID": 1,
2013     "TillfallesKod": "DD038",
2014     "Uid": "79a48557-73da-11e8-b4e0-063f9afb40e3",
2015     "UndervisningsformID": 1,
2016     "Utbildningsinstans": {
2017         "Avvecklad": false,
2018         "Benamning": [
2019             {
2020                 "Sprakkod": "sv",
2021                 "Text": "Datas\u00e4kerhet"
2022             },
2023             {
2024                 "Sprakkod": "en",
2025                 "Text": "Computer Security"
2026             }
2027         ],
2028         "Enhet": "HP",
2029         "GallerUtbildningUtanAngivenOmfattning": false,
2030         "Omfattning": 6.0,
2031         "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
2032         "ResultatPaKursVidAttesteringAvModul": false,
2033         "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
2034         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
2035         "Utbildningskod": "DD2395",
2036         "Versionsnummer": 1
2037     }

```



```

2038     },
2039     {
2040         "FinansieringsformID": 101050,
2041         "Slutdatum": "2008-01-11",
2042         "Startdatum": "2007-08-31",
2043         "StudielokaliseringID": 131778,
2044         "StudietaktID": 1,
2045         "TillfallesKod": "DD038",
2046         "Uid": "79a48555-73da-11e8-b4e0-063f9afb40e3",
2047         "UndervisningsformID": 1,
2048         "Utbildningsinstans": {
2049             "Avvecklad": false,
2050             "Benamning": [
2051                 {
2052                     "Sprakkod": "sv",
2053                     "Text": "Datas\u00e4kerhet"
2054                 },
2055                 {
2056                     "Sprakkod": "en",
2057                     "Text": "Computer Security"
2058                 }
2059             ],
2060             "Enhet": "HP",
2061             "GallerUtbildningUtanAngivenOmfattning": false,
2062             "Omfattning": 6.0,
2063             "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
2064             "ResultatPaKursVidAttestingAvModul": false,
2065             "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
2066             "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
2067             "Utbildningskod": "DD2395",
2068             "Versionsnummer": 1
2069         }
2070     },
2071     {
2072         "FinansieringsformID": 102075,
2073         "Slutdatum": "2008-01-11",
2074         "Startdatum": "2007-08-31",
2075         "StudielokaliseringID": 131778,
2076         "StudietaktID": 1,
2077         "TillfallesKod": "X0054",
2078         "Uid": "79a48556-73da-11e8-b4e0-063f9afb40e3",
2079         "UndervisningsformID": 1,
2080         "Utbildningsinstans": {
2081             "Avvecklad": false,
2082             "Benamning": [
2083                 {
2084                     "Sprakkod": "sv",
2085                     "Text": "Datas\u00e4kerhet"
2086                 },
2087                 {

```

```

2088         "Sprakkod": "en",
2089         "Text": "Computer Security"
2090     }
2091 ],
2092     "Enhet": "HP",
2093     "GallerUtbildningUtanAngivenOmfattning": false,
2094     "Omfattning": 6.0,
2095     "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
2096     "ResultatPaKursVidAttesteringAvModul": false,
2097     "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
2098     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
2099     "Utbildningskod": "DD2395",
2100     "Versionsnummer": 1
2101 }
2102 }
2103 ],
2104     "TotaltAntalPoster": 69
2105 }

```

## 18.5 instance\_info

This function gets a course instance by the combination of course code (e.g., DD1310) and the five digit round code (e.g., 50429).

```

379 <LadokSession data methods 95c>+=
    # added by GQMjr
    def instance_info(self, course_code, instance_code, lang = 'sv'):
        """
        Returns a dictionary of course instance information.

        course_code          - course code, such as "DD1310"

        instance_code        - instance of the course ('TillfallesKod')

        lang                  - language code 'en' or 'sv', defaults to 'sv'
        """
        r = self.session.get(
            url=self.base_gui_proxy_url +
              '/resultat/internal/kurstillfalle/filtrera?kurskod=' + course_code +
              '&page=1&limit=25&skipCount=false&sprakkod=' + lang,
            headers=self.headers)
        if r.status_code == requests.codes.ok:
            rj=r.json()
            for course in rj['Resultat']:
                if course['TillfallesKod'] == instance_code:
                    return course
            return None

```

Let's add a test. This should return a dictionary.

```
380a <test functions 99b>+≡
def test_instance_info():
    r = ladok.instance_info('DD1310', '50429')
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```
1 {
2   "FinansieringsformID": 101050,
3   "Slutdatum": "2025-01-13",
4   "Startdatum": "2024-08-26",
5   "StudielokaliseringID": 135195,
6   "StudietaktID": 7,
7   "TillfallesKod": "50429",
8   "Uid": "da99b691-8f70-11ee-b4f1-bdc8f0e04f23",
9   "UndervisningsformID": 1,
10  "Utbildningsinstans": {
11    "Avvecklad": false,
12    "Benamning": [
13      {
14        "Sprakkod": "sv",
15        "Text": "Programmeringsteknik"
16      },
17      {
18        "Sprakkod": "en",
19        "Text": "Programming Techniques"
20      }
21    ],
22    "Enhet": "HP",
23    "GallerUtbildningUtanAngivenOmfattning": false,
24    "Omfattning": 6.0,
25    "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
26    "ResultatPaKursVidAttesteringAvModul": false,
27    "Uid": "4cf550c7-d6b5-11e8-8fd5-cf9d2c5c41ba",
28    "UtbildningUID": "386a70fa-73d8-11e8-afa7-8e408e694e54",
29    "Utbildningskod": "DD1310",
30    "Versionsnummer": 2
31  }
32 }
```

## 18.6 instance\_info\_uid

This function returns the same as above (instance\_info) but uses the course's LADOK ID. This ID can be found as the sis\_course\_id in Canvas.

```
380b <LadokSession data methods 95c>+≡
# added by GQMJr
def instance_info_uid(self, instance_uid):
    """
```

Returns a dictionary of course instance information.

instance\_uid: course's Uid (from course\_integration\_id or sis\_course\_id in Canvas)

"""

```
r = self.session.get(
    url=self.base_gui_proxy_url +
    '/resultat/internal/kurstillfalle/'+instance_uid,
    headers=self.headers).json()
return r
```

Let's add a test. This should return a dictionary.

381a

```
<test functions 99b>+≡
def test_instance_info_uid():
    r = ladok.instance_info_uid('da99b691-8f70-11ee-b4f1-bdc8f0e04f23')
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```
1 {
2   "Detaljkod": "commons.fel.detaljkod.kurstillfalle",
3   "DetaljkodText": "Session",
4   "FelUID": "edde913d-25b5-11f0-90ed-3afda07b44ed",
5   "Felgrupp": "commons.fel.grupp.saknar_innehall",
6   "FelgruppText": "Missing content",
7   "Felkategori": "commons.fel.kategori.valideringsfel",
8   "FelkategoriText": "Validation error",
9   "Meddelande": "Kurstillf\u00e4llet med UID 39c56d6a-73d8-11e8-b4e0-063f9afb40e3 finns inte."
10 }
```

## 18.7 Course components

There are two ways to get the components for a course.

### 18.7.1 course\_round\_components\_JSON

This method fetches the course components of a course round from LADOK. It requires the course round ID. This one includes data such as the number of registered students as well, unlike the method in the next section.

381b

```
<LadokSession data methods 95c>+≡
def course_round_components_JSON(self, round_id):
    response = self.put_query(
        "/resultat/internal/kurstillfalle/moment",
        {"Identitet": [round_id]})

    if response.status_code == 200:
        return response.json()["MomentPerKurstillfallen"][0]["Moment"]
    raise Exception(response.json()["Meddelande"])
```

We add the following test.

```
382 <test functions 99b>+≡
def test_course_round_components_JSON():
    components = ladok.course_round_components_JSON(dasak_round_id)
    assert json.dumps(components, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1 {
2   "AntalRegistrerade": 0,
3   "Benamning": {
4     "sv": "Datasäkerhet",
5     "en": "Computer Security"
6   },
7   "BetygsskalaID": 131657,
8   "Enhet": "HP",
9   "GallerUtbildningUtanAngivenOmfattning": false,
10  "IngaendeMoment": [
11    {
12      "Benamning": {
13        "sv": "Laborationer",
14        "en": "Laboratory Work"
15      },
16      "BetygsskalaID": 131656,
17      "Enhet": "HP",
18      "GallerUtbildningUtanAngivenOmfattning": false,
19      "KravPaProjektTitel": false,
20      "Omfattning": 3.0,
21      "ResultatrapporteringMojlig": true,
22      "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54",
23      "UtbildningsinstansUID": "39ca2861-73d8-11e8-b4e0-063f9afb40e3",
24      "Utbildningskod": "LAB1"
25    },
26    {
27      "Aktivitetstillfallen": [
28        {
29          "Aktiviteter": [
30            {
31              "Kursinstans": {
32                "Avvecklad": false,
33                "Benamning": [
34                  {
35                    "Sprakkod": "sv",
36                    "Text": "Datasäkerhet"
37                  },
38                  {
39                    "Sprakkod": "en",
40                    "Text": "Computer Security"
41                  }
42                ]
35
```

```

43     "BetygsskalaID": 131657,
44     "Enhet": "HP",
45     "GallerUtbildningUtanAngivenOmfattning": false,
46     "KravPaHanvisningTillBeslutshandling": false,
47     "KravPaProjekttitel": false,
48     "Omfattning": 6.0,
49     "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
50     "ResultatPaKursVidAttestingAvModul": false,
51     "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
52     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
53     "Utbildningskod": "DD2395",
54     "Versionsnummer": 1
55 },
56 "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
57 "Utbildningsinstans": {
58     "Avvecklad": false,
59     "Benamning": [
60         {
61             "Sprakkod": "sv",
62             "Text": "Tentamen"
63         },
64         {
65             "Sprakkod": "en",
66             "Text": "Examination"
67         }
68     ],
69     "BetygsskalaID": 131657,
70     "Enhet": "HP",
71     "GallerUtbildningUtanAngivenOmfattning": false,
72     "KravPaHanvisningTillBeslutshandling": false,
73     "KravPaProjekttitel": false,
74     "Omfattning": 3.0,
75     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
76     "ResultatPaKursVidAttestingAvModul": false,
77     "Uid": "39c5947b-73d8-11e8-b4e0-063f9afb40e3",
78     "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54",
79     "Utbildningskod": "TEN1",
80     "Versionsnummer": 1
81 },
82 "UtbildningsinstansUID": "39c5947b-73d8-11e8-b4e0-063f9afb40e3"
83 }
84 ],
85 "Aktivitetstillfallesalternativ": [
86     {
87         "AktivitetstillfalleUID": "b6081012-3e78-11e9-bb54-80cb61e24e57",
88         "AntalAnmalda": 43,
89         "Aviseringsmottagare": [],
90         "Datumperiod": {
91             "Slutdatum": "2019-04-15",
92             "Startdatum": "2019-04-15"

```

```

93         },
94         "Harttak": false,
95         "Sluttid": "11:00:00",
96         "Starttid": "08:00:00",
97         "Uid": "20230329-0210-4714-1388-000000202020"
98     }
99 ],
100 "AktivitetstillfallestypBenamning": {
101     "sv": "Omtentamen",
102     "en": "Re-examination"
103 },
104 "AktivitetstillfallestypID": 135200,
105 "Anmalan": true,
106 "Anmalningsperiod": {
107     "Slutdatum": "2019-04-01",
108     "Startdatum": "2019-03-18"
109 },
110 "Anonymt": false,
111 "Ansvariga": [],
112 "AntalAnmalda": 43,
113 "Benamning": {
114     "sv": "Omtentamen",
115     "en": "Re-exam"
116 },
117 "Borttagen": false,
118 "Datumperiod": {
119     "Slutdatum": "2019-04-15",
120     "Startdatum": "2019-04-15"
121 },
122 "Installld": false,
123 "Kopplingar": [
124     {
125         "Aktivitet": {
126             "Avvecklad": false,
127             "Benamning": [
128                 {
129                     "Sprakkod": "sv",
130                     "Text": "Tentamen"
131                 },
132                 {
133                     "Sprakkod": "en",
134                     "Text": "Examination"
135                 }
136             ],
137             "BetygsskalaID": 131657,
138             "Enhet": "HP",
139             "GallerUtbildningUtanAngivenOmfattning": false,
140             "KravPaHanvisningTillBeslutshandling": false,
141             "KravPaProjekttitel": false,
142             "Omfattning": 3.0,

```

```

143     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
144     "ResultatPaKursVidAttestingAvModul": false,
145     "Uid": "39c5947b-73d8-11e8-b4e0-063f9afb40e3",
146     "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54",
147     "Utbildningskod": "TEN1",
148     "Versionsnummer": 1
149 },
150 "Kursinstans": {
151     "Avvecklad": false,
152     "Benamning": [
153         {
154             "Sprakkod": "sv",
155             "Text": "Datasäkerhet"
156         },
157         {
158             "Sprakkod": "en",
159             "Text": "Computer Security"
160         }
161     ],
162     "BetygsskalaID": 131657,
163     "Enhet": "HP",
164     "GallerUtbildningUtanAngivenOmfattning": false,
165     "KravPaHanvisningTillBeslutshandling": false,
166     "KravPaProjekttitel": false,
167     "Omfattning": 6.0,
168     "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
169     "ResultatPaKursVidAttestingAvModul": false,
170     "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
171     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
172     "Utbildningskod": "DD2395",
173     "Versionsnummer": 1
174 },
175 "Kurstillfallen": [
176     {
177         "FinansieringsformID": 131738,
178         "Slutdatum": "2019-01-14",
179         "Startdatum": "2018-10-29",
180         "StudielokaliseringID": 131778,
181         "StudietaktID": 5,
182         "TillfallesKod": "10069",
183         "Uid": "79b4b213-73da-11e8-b4e0-063f9afb40e3",
184         "UndervisningsformID": 1,
185         "Utbildningsinstans": {
186             "Avvecklad": false,
187             "Benamning": [
188                 {
189                     "Sprakkod": "sv",
190                     "Text": "Datasäkerhet"
191                 },
192                 {

```



```

193         "Sprakkod": "en",
194         "Text": "Computer Security"
195     }
196 ],
197     "Enhet": "HP",
198     "GallerUtbildningUtanAngivenOmfattning": false,
199     "Omfattning": 6.0,
200     "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
201     "ResultatPaKursVidAttesteringAvModul": false,
202     "UId": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
203     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
204     "Utbildningskod": "DD2395",
205     "Versionsnummer": 1
206 }
207 },
208 {
209     "FinansieringsformID": 101050,
210     "Slutdatum": "2019-01-14",
211     "Startdatum": "2018-10-29",
212     "StudielokaliseringID": 131778,
213     "StudietaktID": 5,
214     "TillfallesKod": "50766",
215     "UId": "79b463f0-73da-11e8-b4e0-063f9afb40e3",
216     "UndervisningsformID": 1,
217     "Utbildningsinstans": {
218         "Avvecklad": false,
219         "Benamning": [
220             {
221                 "Sprakkod": "sv",
222                 "Text": "Datasäkerhet"
223             },
224             {
225                 "Sprakkod": "en",
226                 "Text": "Computer Security"
227             }
228         ],
229         "Enhet": "HP",
230         "GallerUtbildningUtanAngivenOmfattning": false,
231         "Omfattning": 6.0,
232         "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
233         "ResultatPaKursVidAttesteringAvModul": false,
234         "UId": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
235         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
236         "Utbildningskod": "DD2395",
237         "Versionsnummer": 1
238     }
239 },
240 {
241     "Slutdatum": "2018-06-04",
242     "Startdatum": "2018-01-16",

```

```

243     "TillfallesKod": "KONV-007C32",
244     "UId": "ff04a7a6-73da-11e8-b4e0-063f9afb40e3",
245     "Utbildningsinstans": {
246         "Avvecklad": false,
247         "Benamning": [
248             {
249                 "Sprakkod": "sv",
250                 "Text": "Datasäkerhet"
251             },
252             {
253                 "Sprakkod": "en",
254                 "Text": "Computer Security"
255             }
256         ],
257         "Enhet": "HP",
258         "GallerUtbildningUtanAngivenOmfattning": false,
259         "Omfattning": 6.0,
260         "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
261         "ResultatPaKursVidAttesteringAvModul": false,
262         "UId": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
263         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
264         "Utbildningskod": "DD2395",
265         "Versionsnummer": 1
266     }
267 },
268 {
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2694     }
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2696 ]

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10738     "Utbildningsinstans": {
10739         "Avvecklad": false,
10740         "Benamning": [
10741             {
10742                 "Sprakkod": "sv",

```

```

10743         "Text": "Datasäkerhet"
10744     },
10745     {
10746         "Sprakkod": "en",
10747         "Text": "Computer Security"
10748     }
10749 ],
10750 "Enhet": "HP",
10751 "GallerUtbildningUtanAngivenOmfattning": false,
10752 "Omfattning": 6.0,
10753 "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
10754 "ResultatPaKursVidAttesteringAvModul": false,
10755 "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
10756 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
10757 "Utbildningskod": "DD2395",
10758 "Versionsnummer": 1
10759 }
10760 },
10761 {
10762     "FinansieringsformID": 101050,
10763     "Slutdatum": "2008-01-11",
10764     "Startdatum": "2007-08-31",
10765     "StudielokaliseringID": 131778,
10766     "StudietaktID": 1,
10767     "TillfallesKod": "DD038",
10768     "Uid": "79a48555-73da-11e8-b4e0-063f9afb40e3",
10769     "UndervisningsformID": 1,
10770     "Utbildningsinstans": {
10771         "Avvecklad": false,
10772         "Benamning": [
10773             {
10774                 "Sprakkod": "sv",
10775                 "Text": "Datasäkerhet"
10776             },
10777             {
10778                 "Sprakkod": "en",
10779                 "Text": "Computer Security"
10780             }
10781         ],
10782         "Enhet": "HP",
10783         "GallerUtbildningUtanAngivenOmfattning": false,
10784         "Omfattning": 6.0,
10785         "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
10786         "ResultatPaKursVidAttesteringAvModul": false,
10787         "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
10788         "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
10789         "Utbildningskod": "DD2395",
10790         "Versionsnummer": 1
10791     }
10792 },

```

```

10793     {
10794         "FinansieringsformID": 102075,
10795         "Slutdatum": "2008-01-11",
10796         "Startdatum": "2007-08-31",
10797         "StudielokaliseringID": 131778,
10798         "StudietaktID": 1,
10799         "TillfallesKod": "X0054",
10800         "UId": "79a48556-73da-11e8-b4e0-063f9afb40e3",
10801         "UndervisningsformID": 1,
10802         "Utbildningsinstans": {
10803             "Avvecklad": false,
10804             "Benamning": [
10805                 {
10806                     "Sprakkod": "sv",
10807                     "Text": "Datasäkerhet"
10808                 },
10809                 {
10810                     "Sprakkod": "en",
10811                     "Text": "Computer Security"
10812                 }
10813             ],
10814             "Enhet": "HP",
10815             "GallerUtbildningUtanAngivenOmfattning": false,
10816             "Omfattning": 6.0,
10817             "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",
10818             "ResultatPaKursVidAttesteringAvModul": false,
10819             "UId": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
10820             "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
10821             "Utbildningskod": "DD2395",
10822             "Versionsnummer": 1
10823         }
10824     }
10825 ]
10826 },
10827 {
10828     "Aktivitet": {
10829         "Avvecklad": false,
10830         "Benamning": [
10831             {
10832                 "Sprakkod": "sv",
10833                 "Text": "Skriftlig tentamen"
10834             },
10835             {
10836                 "Sprakkod": "en",
10837                 "Text": "Written exam"
10838             }
10839         ],
10840         "BetygsskalaID": 131657,
10841         "Enhet": "HP",
10842         "GallerUtbildningUtanAngivenOmfattning": false,

```

```

10843     "KravPaHanvisningTillBeslutshandling": false,
10844     "KravPaProjekttitel": false,
10845     "Omfattning": 3.0,
10846     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
10847     "ResultatPaKursVidAttestingAvModul": false,
10848     "Uid": "ef67133c-31a4-11ec-8540-ebd4d50c41d5",
10849     "UtbildningUID": "ef671340-31a4-11ec-8540-ebd4d50c41d5",
10850     "Utbildningskod": "TEN1",
10851     "Versionsnummer": 1
10852 },
10853 "Kursinstans": {
10854     "Avvecklad": false,
10855     "Benamning": [
10856         {
10857             "Sprakkod": "sv",
10858             "Text": "Cybersäkerhet översiktscurs"
10859         },
10860         {
10861             "Sprakkod": "en",
10862             "Text": "Cybersecurity Overview"
10863         }
10864     ],
10865     "BetygsskalaID": 131657,
10866     "Enhet": "HP",
10867     "GallerUtbildningUtanAngivenOmfattning": false,
10868     "KravPaHanvisningTillBeslutshandling": false,
10869     "KravPaProjekttitel": false,
10870     "Omfattning": 7.5,
10871     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
10872     "ResultatPaKursVidAttestingAvModul": false,
10873     "Uid": "ea57de40-31a3-11ec-8540-ebd4d50c41d5",
10874     "UtbildningUID": "ea57de48-31a3-11ec-8540-ebd4d50c41d5",
10875     "Utbildningskod": "DD2391",
10876     "Versionsnummer": 1
10877 },
10878 "Kurstillfallen": [
10879     {
10880         "FinansieringsformID": 101050,
10881         "Slutdatum": "2023-10-27",
10882         "Startdatum": "2023-08-28",
10883         "StudielokaliseringID": 135195,
10884         "StudietaktID": 4,
10885         "TillfallesKod": "50972",
10886         "Uid": "645a3ddc-7d4e-11ed-ba16-099432b5488e",
10887         "UndervisningsformID": 1,
10888         "Utbildningsinstans": {
10889             "Avvecklad": false,
10890             "Benamning": [
10891                 {
10892                     "Sprakkod": "sv",

```

```

10893         "Text": "Cybersäkerhet översiktskurs"
10894     },
10895     {
10896         "Sprakkod": "en",
10897         "Text": "Cybersecurity Overview"
10898     }
10899 ],
10900 "Enhet": "HP",
10901 "GallerUtbildningUtanAngivenOmfattning": false,
10902 "Omfattning": 7.5,
10903 "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
10904 "ResultatPaKursVidAttesteringAvModul": false,
10905 "Uid": "ea57de40-31a3-11ec-8540-ebd4d50c41d5",
10906 "UtbildningUID": "ea57de48-31a3-11ec-8540-ebd4d50c41d5",
10907 "Utbildningskod": "DD2391",
10908 "Versionsnummer": 1
10909 }
10910 },
10911 {
10912     "FinansieringsformID": 101050,
10913     "Slutdatum": "2022-10-28",
10914     "Startdatum": "2022-08-29",
10915     "StudielokaliseringID": 135195,
10916     "StudietaktID": 4,
10917     "TillfallesKod": "51417",
10918     "Uid": "8f44d31b-7454-11ec-bef7-64c095574187",
10919     "UndervisningsformID": 1,
10920     "Utbildningsinstans": {
10921         "Avvecklad": false,
10922         "Benamning": [
10923             {
10924                 "Sprakkod": "sv",
10925                 "Text": "Cybersäkerhet översiktskurs"
10926             },
10927             {
10928                 "Sprakkod": "en",
10929                 "Text": "Cybersecurity Overview"
10930             }
10931         ],
10932         "Enhet": "HP",
10933         "GallerUtbildningUtanAngivenOmfattning": false,
10934         "Omfattning": 7.5,
10935         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
10936         "ResultatPaKursVidAttesteringAvModul": false,
10937         "Uid": "ea57de40-31a3-11ec-8540-ebd4d50c41d5",
10938         "UtbildningUID": "ea57de48-31a3-11ec-8540-ebd4d50c41d5",
10939         "Utbildningskod": "DD2391",
10940         "Versionsnummer": 1
10941     }
10942 }

```

```

10943     ]
10944   }
10945 ],
10946   "KurstillfalleUIDer": [
10947     "f4a66444-73da-11e8-b4e0-063f9afb40e3",
10948     "79b06c4a-73da-11e8-b4e0-063f9afb40e3",
10949     "79b06c4b-73da-11e8-b4e0-063f9afb40e3",
10950     "79a8f230-73da-11e8-b4e0-063f9afb40e3",
10951     "a3f17d37-7454-11ec-bef7-64c095574187",
10952     "b1d68944-41e3-11ea-b8cf-f5b51a134413",
10953     "8f44d31b-7454-11ec-bef7-64c095574187",
10954     "645a3ddc-7d4e-11ed-ba16-099432b5488e",
10955     "79b06c4c-73da-11e8-b4e0-063f9afb40e3",
10956     "79b06c4d-73da-11e8-b4e0-063f9afb40e3",
10957     "0b370fd6-73db-11e8-b4e0-063f9afb40e3",
10958     "8d06223a-1cbc-11ea-a622-3565135944de",
10959     "08d7268b-73db-11e8-b4e0-063f9afb40e3",
10960     "f60ad5cd-73da-11e8-b4e0-063f9afb40e3",
10961     "79b463ef-73da-11e8-b4e0-063f9afb40e3",
10962     "1498cb48-73db-11e8-b4e0-063f9afb40e3",
10963     "79b43cde-73da-11e8-b4e0-063f9afb40e3",
10964     "a6252c41-7c82-11ed-ba16-099432b5488e",
10965     "0da48d55-73db-11e8-b4e0-063f9afb40e3",
10966     "79a48556-73da-11e8-b4e0-063f9afb40e3",
10967     "79a48555-73da-11e8-b4e0-063f9afb40e3",
10968     "0859ba03-73db-11e8-b4e0-063f9afb40e3",
10969     "ff309a65-73da-11e8-b4e0-063f9afb40e3",
10970     "6199e45b-f88e-11e8-9614-d09e533d4323",
10971     "79a48557-73da-11e8-b4e0-063f9afb40e3",
10972     "f7a599d1-73da-11e8-b4e0-063f9afb40e3",
10973     "ae6da0f4-9582-11ec-823c-971220ed4206",
10974     "ff04a7a6-73da-11e8-b4e0-063f9afb40e3",
10975     "ff04a7a5-73da-11e8-b4e0-063f9afb40e3",
10976     "79a52198-73da-11e8-b4e0-063f9afb40e3",
10977     "79a52199-73da-11e8-b4e0-063f9afb40e3",
10978     "79a5219a-73da-11e8-b4e0-063f9afb40e3",
10979     "ffe962d8-73da-11e8-b4e0-063f9afb40e3",
10980     "0f14229d-73db-11e8-b4e0-063f9afb40e3",
10981     "ffe962d9-73da-11e8-b4e0-063f9afb40e3",
10982     "f96042c2-73da-11e8-b4e0-063f9afb40e3",
10983     "0f14229e-73db-11e8-b4e0-063f9afb40e3",
10984     "ffe962da-73da-11e8-b4e0-063f9afb40e3",
10985     "f96042c1-73da-11e8-b4e0-063f9afb40e3",
10986     "fd62df47-73da-11e8-b4e0-063f9afb40e3",
10987     "ffe962db-73da-11e8-b4e0-063f9afb40e3",
10988     "79b463f0-73da-11e8-b4e0-063f9afb40e3",
10989     "f96042c3-73da-11e8-b4e0-063f9afb40e3",
10990     "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
10991     "0b1e3128-73db-11e8-b4e0-063f9afb40e3",
10992     "79b463f1-73da-11e8-b4e0-063f9afb40e3",

```



```

10993         "2ab9eec3-b103-11ed-9558-ce533d014043",
10994         "5750a588-38e5-11e9-8f73-bdf515e44268",
10995         "c1bf15d8-3eaa-11eb-b960-5f936a674375",
10996         "79b48b02-73da-11e8-b4e0-063f9afb40e3",
10997         "79ac74a3-73da-11e8-b4e0-063f9afb40e3",
10998         "0ef5ff29-c8f4-11eb-b055-c7e161b04731",
10999         "79a8f22c-73da-11e8-b4e0-063f9afb40e3",
11000         "79a8f22e-73da-11e8-b4e0-063f9afb40e3",
11001         "79ac74a2-73da-11e8-b4e0-063f9afb40e3",
11002         "ff27c038-73da-11e8-b4e0-063f9afb40e3",
11003         "79a8f22d-73da-11e8-b4e0-063f9afb40e3",
11004         "79ac74a1-73da-11e8-b4e0-063f9afb40e3",
11005         "79ac74a4-73da-11e8-b4e0-063f9afb40e3",
11006         "79b4b213-73da-11e8-b4e0-063f9afb40e3",
11007         "79ac74a6-73da-11e8-b4e0-063f9afb40e3",
11008         "79ac74a5-73da-11e8-b4e0-063f9afb40e3",
11009         "0d611bec-73db-11e8-b4e0-063f9afb40e3",
11010         "12b16d93-73db-11e8-b4e0-063f9afb40e3",
11011         "79b04538-73da-11e8-b4e0-063f9afb40e3",
11012         "79b04539-73da-11e8-b4e0-063f9afb40e3",
11013         "79a8f22f-73da-11e8-b4e0-063f9afb40e3",
11014         "016ef16a-73db-11e8-b4e0-063f9afb40e3",
11015         "f94b3434-73da-11e8-b4e0-063f9afb40e3"
11016     ],
11017     "Lopnummer": false,
11018     "SenastAndradAv": "porander@kth.se",
11019     "SenastSparad": "2023-11-13T09:27:54.222",
11020     "SkapadAv": "porander@kth.se",
11021     "SkapadTidpunkt": "2023-11-13T09:27:45.281",
11022     "Status": "resultat.aktivitetstillfalle.status.publicerat",
11023     "TillatAnmalanForStudentMedGodkantResultat": false,
11024     "Uid": "8547b746-81fe-11ee-8b0f-d9ff4b534c6e",
11025     "VisaInteAnonymkodForStudentenForeAktivitetsTillfalletArGenomfort": false
11026 }
11027 ],
11028 "Benamning": {
11029     "sv": "Tentamen",
11030     "en": "Examination"
11031 },
11032 "BetygsskalaID": 131657,
11033 "Enhet": "HP",
11034 "GallerUtbildningUtanAngivenOmfattning": false,
11035 "KravPaProjektitel": false,
11036 "Omfattning": 3.0,
11037 "ResultatrapporteringMojlig": true,
11038 "UtbildningsUID": "39c593d1-73d8-11e8-afa7-8e408e694e54",
11039 "UtbildningsinstansUID": "39c5947b-73d8-11e8-b4e0-063f9afb40e3",
11040 "Utbildningskod": "TEN1"
11041 }
11042 ],

```

```

11043 "KravPaProjekttitel": false,
11044 "Kurstillfalleskod": "81099",
11045 "Omfattning": 6.0,
11046 "ResultatrapporteringMojlig": true,
11047 "Slutdatum": "2010-03-21 ",
11048 "Startdatum": "2010-01-18 ",
11049 "Studietaktsbenamning": {
11050   "sv": "Helfart",
11051   "en": "Full-time"
11052 },
11053 "Takt": 100,
11054 "Undervisningsformbenamning": {
11055   "sv": "Normal",
11056   "en": "Normal teaching"
11057 },
11058 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
11059 "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
11060 "Utbildningskod": "DD2395",
11061 "Versionsnummer": 1
11062 }

```

### 18.7.2 course\_instance\_components\_JSON

This method fetches the course components for a course instance, i.e., a version of the syllabus.

```

603a <LadokSession data methods 95c>+≡
def course_instance_components_JSON(self, course_instance_id):
    response = self.put_query(
        "/resultat/internal/utbildningsinstans/moduler",
        {"Identitet": [course_instance_id]}
    )

    if response.status_code == requests.codes.ok:
        return response.json()["Utbildningsinstans"][0]
    raise Exception(response.json()["Meddelande"])

```

We add the following test code.

```

603b <test functions 99b>+≡
def test_course_instance_components_JSON():
    components = ladok.course_instance_components_JSON(dasak_instance_id)
    assert json.dumps(components, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1 {
2   "Avvecklad": false,
3   "Benamning": [
4     {
5       "Sprakkod": "sv",
6       "Text": "Datasäkerhet"

```

```

7      },
8      {
9          "Sprakkod": "en",
10         "Text": "Computer Security"
11     }
12 ],
13 "BetygsskalaID": 131657,
14 "Enhet": "HP",
15 "GallerUtbildningUtanAngivenOmfattning": false,
16 "KravPaHanvisningTillBeslutshandling": false,
17 "KravPaProjektittel": false,
18 "Moduler": [
19     {
20         "Avvecklad": false,
21         "Benamning": [
22             {
23                 "Sprakkod": "sv",
24                 "Text": "Laborationer"
25             },
26             {
27                 "Sprakkod": "en",
28                 "Text": "Laboratory Work"
29             }
30         ],
31         "BetygsskalaID": 131656,
32         "Enhet": "HP",
33         "GallerUtbildningUtanAngivenOmfattning": false,
34         "KravPaHanvisningTillBeslutshandling": false,
35         "KravPaProjektittel": false,
36         "Moduler": [],
37         "Omfattning": 3.0,
38         "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",
39         "ResultatPaKursVidAttesteringAvModul": false,
40         "UId": "39ca2861-73d8-11e8-b4e0-063f9afb40e3",
41         "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54",
42         "Utbildningskod": "LAB1",
43         "Versionsnummer": 1
44     },
45     {
46         "Avvecklad": false,
47         "Benamning": [
48             {
49                 "Sprakkod": "sv",
50                 "Text": "Tentamen"
51             },
52             {
53                 "Sprakkod": "en",
54                 "Text": "Examination"
55             }
56         ],

```

```
57     "BetygsskalaID": 131657,  
58     "Enhet": "HP",  
59     "GallerUtbildningUtanAngivenOmfattning": false,  
60     "KravPaHanvisningTillBeslutshandling": false,  
61     "KravPaProjekttitel": false,  
62     "Moduler": [],  
63     "Omfattning": 3.0,  
64     "OrganisationUID": "2474f616-dc41-11e8-8cc1-eaeeb71b497f",  
65     "ResultatPaKursVidAttesteringAvModul": false,  
66     "Uid": "39c5947b-73d8-11e8-b4e0-063f9afb40e3",  
67     "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54",  
68     "Utbildningskod": "TEN1",  
69     "Versionsnummer": 1  
70 }  
71 ],  
72 "Omfattning": 6.0,  
73 "OrganisationUID": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6",  
74 "ResultatPaKursVidAttesteringAvModul": false,  
75 "Uid": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",  
76 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",  
77 "Utbildningskod": "DD2395",  
78 "Versionsnummer": 1  
79 }
```

## Chapter 19

# Results-related API calls

In this chapter we look at how to fetch results from LADOK and report new results to LADOK.

### 19.1 Reported results

There are two ways to get results for a course. One method gives more data than the other.

#### 19.1.1 search\_reported\_results\_JSON

This method searches for student results for a given component on a given course round.

606

```
<LadokSession data methods 95c>+≡
def search_reported_results_JSON(self, course_round_id, component_instance_id):
    """Requires:
    course_round_id: round_id for a course,
    component_instance_id: instance_id for a component of the course.
    """
    put_data = {
        "Filtrering": ["OBEHANDLADE", "UTKAST", "ATTESTERADE"],
        "KurstillfallenUID": [course_round_id],
        "OrderBy": [
            "EFTERNAMN_ASC",
            "FORNAMN_ASC",
            "PERSONNUMMER_ASC"
        ],
        "Limit": 400,
        "Page": 1,
        "StudenterUID": []
    }

    response = self.put_query(
        "/resultat/internal/studieresultat/rapportera"
        f"/utbildningsinstans/{component_instance_id}/sok",
        put_data)
```

```

if response.status_code == requests.codes.ok:
    return response.json()["Resultat"]
raise Exception(f"failed searching for results for "
                f"course {course_round_id}, "
                f"component {component_instance_id}: {response.text}")

```

We write the following test.

```

607 <test functions 99b>+≡
def test_search_reported_results_JSON():
    results = ladok.search_reported_results_JSON(dasak_round_id,
        LAB1_instance_id)
    assert json.dumps(results, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1  [
2  {
3      "AktuellKursinstans": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
4      "AktuelltKurstillfalle": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
5      "KursUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
6      "Rapporteringskontext": {
7          "BetygsskalaID": 131656,
8          "GallerUtbildningUtanAngivenOmfattning": false,
9          "KravPaHanvisningTillBeslutshandling": false,
10         "KravPaProjektitel": false,
11         "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54",
12         "UtbildningsinstansUID": "39ca2861-73d8-11e8-b4e0-063f9afb40e3"
13     },
14     "ResultatPaUtbildningar": [
15         {
16             "HarFleraAttesteradeResultat": false,
17             "HarTillgodoraknande": false,
18             "HeltTillgodoraknad": false,
19             "KanExkluderas": false,
20             "SenastAttesteradeResultat": {
21                 "Anteckning": "Detaljer om modulresultat från gamla Ladok: Inläggningsdatum (idatum):[2010-04-15",
22                 "Beslutsdatum": "2010-04-07",
23                 "Beslutsfattare": "Uppgift om examiner saknas/Not applicable",
24                 "Betygsgrad": 131658,
25                 "Betygsgradsobjekt": {
26                     "GiltigSomSlutbetyg": true,
27                     "ID": 131658,
28                     "Kod": "P"
29                 },
30                 "BetygsskalaID": 131656,
31                 "Examinationsdatum": "2010-04-07",
32                 "ForbereddForBorttag": false,
33                 "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
34                 "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",

```

```

35     "Noteringar": [],
36     "Noteringsdefinitioner": [],
37     "ProcessStatus": 3,
38     "ResultatUID": "34b536b2-7410-11e8-b046-cb26945c40f5",
39     "SenasteResultatandring": "2018-06-20T00:29:18.739",
40     "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
41     "StudieresultatUID": "a4a4be29-73f2-11e8-b046-cb26945c40f5",
42     "Uid": "34b536b2-7410-11e8-b046-cb26945c40f5",
43     "UtbildningsinstansUID": "39ca2861-73d8-11e8-b4e0-063f9afb40e3"
44 },
45 "TotalTillgodoraknadOmfattning": 0.0,
46 "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54"
47 },
48 {
49     "HarFleraAttesteradeResultat": false,
50     "HarTillgodoraknande": false,
51     "HeltTillgodoraknad": false,
52     "KanExkluderas": false,
53     "SenastAttesteradeResultat": {
54         "Anteckning": "Detaljer om modulresultat från gamla Ladok: Inläggningsdatum (idatum):[2010-04-07",
55         "Beslutsdatum": "2010-03-18",
56         "Beslutsfattare": "Uppgift om examinerator saknas/Not applicable",
57         "Betygsgrad": 131661,
58         "Betygsgradsobjekt": {
59             "GiltigSomSlutbetyg": true,
60             "ID": 131661,
61             "Kod": "A"
62         },
63         "BetygsskalaID": 131657,
64         "Examinationsdatum": "2010-03-18",
65         "ForbereddForBorttag": false,
66         "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
67         "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
68         "Noteringar": [],
69         "Noteringsdefinitioner": [],
70         "ProcessStatus": 3,
71         "ResultatUID": "34b780dc-7410-11e8-b046-cb26945c40f5",
72         "SenasteResultatandring": "2018-06-20T00:29:18.754",
73         "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
74         "StudieresultatUID": "a4a4be29-73f2-11e8-b046-cb26945c40f5",
75         "Uid": "34b780dc-7410-11e8-b046-cb26945c40f5",
76         "UtbildningsinstansUID": "39c5947b-73d8-11e8-b4e0-063f9afb40e3"
77     },
78     "TotalTillgodoraknadOmfattning": 0.0,
79     "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54"
80 },
81 {
82     "HarFleraAttesteradeResultat": false,
83     "HarTillgodoraknande": false,
84     "HeltTillgodoraknad": false,

```

```

85     "KanExkluderas": false,
86     "SenastAttesteradeResultat": {
87         "Anteckning": "Detaljer om kursresultat från gamla Ladok: Inläggningsdatum (idatum):[2010-04-15]",
88         "Beslutsdatum": "2010-04-07",
89         "Beslutsfattare": "Sonja Buchegger",
90         "Betygsgrad": 131661,
91         "Betygsgradsobjekt": {
92             "GiltigSomSlutbetyg": true,
93             "ID": 131661,
94             "Kod": "A"
95         },
96         "BetygsskalaID": 131657,
97         "Examinationsdatum": "2010-04-07",
98         "ForbereddForBorttag": false,
99         "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
100        "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
101        "Noteringar": [],
102        "Noteringsdefinitioner": [],
103        "ProcessStatus": 3,
104        "ResultatUID": "d274ed3f-741a-11e8-b046-cb26945c40f5",
105        "SenasteResultatandring": "2018-06-20T01:45:18.367",
106        "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
107        "StudieresultatUID": "a4a4be29-73f2-11e8-b046-cb26945c40f5",
108        "Uid": "d274ed3f-741a-11e8-b046-cb26945c40f5",
109        "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3"
110    },
111    "TotalTillgodoraknadOmfattning": 0.0,
112    "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54"
113 }
114 ],
115 "Student": {
116     "Efternamn": "Studentzadeh",
117     "Fornamn": "Student",
118     "Personnummer": "191234561234",
119     "Uid": "de709f81-a867-11e7-8dbf-78e86dc2470c"
120 },
121 "Uid": "a4a4be29-73f2-11e8-b046-cb26945c40f5"
122 }
123 ]

```

### 19.1.2 search\_course\_results\_JSON

Another method, which gives slightly different results is the following.

```

609 <LadokSession data methods 95c>+≡
def search_course_results_JSON(self, course_round_id, component_instance_id):
    put_data = {
        "KurstillfallenUID": [course_round_id],
        "Tillstand": ["REGISTRERAD", "AVKLARAD", "AVBROTT"],
        "OrderBy": ["EFTERNAMN_ASC", "FORNAMN_ASC"],
        "Limit": 400,

```



```

    "Page": 1,
}

response = self.put_query(
    "/resultat/internal/resultatuppfoljning/resultatuppfoljning/sok",
    put_data)

if response.status_code == requests.codes.ok:
    return response.json()["Resultat"]
raise Exception("can't get course results for "
                f"course {course_round_id}, "
                f"component {component_instance_id}: {response.text}")

```

We test this by the following.

```

610 <test functions 99b>+≡
def test_search_course_results_JSON():
    results = ladok.search_course_results_JSON(dasak_round_id, LAB1_instance_id)
    assert json.dumps(results, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1  [
2  {
3      "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
4      "LarosateID": 29,
5      "Resultat": [
6          {
7              "Betygsgradskod": "P",
8              "Examinationsdatum": "2010-04-07",
9              "LarosateID": 29,
10             "SenastAndradAv": "informationskonverterare@kth",
11             "SenastSparad": "2018-06-20T00:29:18.755",
12             "UId": "34b536b2-7410-11e8-b046-cb26945c40f5",
13             "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54",
14             "UtbildningsinstansUID": "39ca2861-73d8-11e8-b4e0-063f9afb40e3"
15         },
16         {
17             "Betygsgradskod": "A",
18             "Examinationsdatum": "2010-03-18",
19             "LarosateID": 29,
20             "SenastAndradAv": "informationskonverterare@kth",
21             "SenastSparad": "2018-06-20T00:29:18.755",
22             "UId": "34b780dc-7410-11e8-b046-cb26945c40f5",
23             "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54",
24             "UtbildningsinstansUID": "39c5947b-73d8-11e8-b4e0-063f9afb40e3"
25         },
26         {
27             "Betygsgradskod": "A",
28             "Examinationsdatum": "2010-04-07",
29             "LarosateID": 29,

```

```

30     "SenastAndradAv": "informationskonverterare@kth",
31     "SenastSparad": "2018-06-20T01:45:18.369",
32     "Uid": "d274ed3f-741a-11e8-b046-cb26945c40f5",
33     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
34     "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3"
35 }
36 ],
37 "Student": {
38     "Efternamn": "Studentzadeh",
39     "Fornamn": "Student",
40     "Personnummer": "191234561234",
41     "Uid": "de709f81-a867-11e7-8dbf-78e86dc2470c"
42 },
43 "Tillstand": "AVKLARAD"
44 }
45 ]

```

## 19.2 Results for a student: student\_results\_JSON

This method pulls results for an individual student for a particular course. LADOK changed this API request in 2022.

611a *<LadokSession data methods 95c>+≡*

```

def student_results_JSON(self, student_id, course_education_id):
    """Returns the results for a student on a course"""
    response = self.get_query(
        "/resultat/internal/studentenskurser/kursinformation"
        f"/student/{student_id}/kursUID/{course_education_id}"
    )

    if response.status_code == requests.codes.ok:
        return response.json()
    raise Exception(response.json()["Meddelande"])

```

We test this in the following way.

611b *<test functions 99b>+≡*

```

def test_student_results_JSON():
    results = ladok.student_results_JSON(student_uid, dasak_education_id)
    assert json.dumps(results, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1 {
2     "GallandeKurstillfalle": {
3         "Slutdatum": "2010-03-21",
4         "Startdatum": "2010-01-18",
5         "StudielokaliseringID": 131778,
6         "StudietaktID": 1,
7         "TillfallesKod": "81099",
8         "Uid": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
9         "UndervisningsformID": 1

```

```
10 },
11 "Kursversioner": [
12   {
13     "ArAktuellVersion": true,
14     "GallandeKurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
15     "HarTillgodoraknandePaHelaKursen": false,
16     "Kursversion": 1,
17     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
18     "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
19     "VersionensKurs": {
20       "Betygsskala": {
21         "Benamning": {
22           "sv": "Sjugradig betygsskala",
23           "en": "Seven point grading scale"
24         },
25         "Beskrivning": {},
26         "Betygsgrad": [
27           {
28             "Benamning": {
29               "sv": "Utmärkt",
30               "en": "Excellent"
31             },
32             "GiltigSomSlutbetyg": true,
33             "ID": 131661,
34             "Kod": "A"
35           },
36           {
37             "Benamning": {
38               "sv": "Mycket bra",
39               "en": "Very Good"
40             },
41             "GiltigSomSlutbetyg": true,
42             "ID": 131667,
43             "Kod": "B"
44           },
45           {
46             "Benamning": {
47               "sv": "Bra",
48               "en": "Good"
49             },
50             "GiltigSomSlutbetyg": true,
51             "ID": 131673,
52             "Kod": "C"
53           },
54           {
55             "Benamning": {
56               "sv": "Tillfredsställande",
57               "en": "Satisfactory"
58             },
59             "GiltigSomSlutbetyg": true,
```

```
60     "ID": 131679,  
61     "Kod": "D"  
62 },  
63 {  
64     "Benamning": {  
65         "sv": "Tillräcklig",  
66         "en": "Sufficient"  
67     },  
68     "GiltigSomSlutbetyg": true,  
69     "ID": 131691,  
70     "Kod": "E"  
71 },  
72 {  
73     "Benamning": {  
74         "sv": "Underkänd",  
75         "en": "Not satisfactory"  
76     },  
77     "GiltigSomSlutbetyg": false,  
78     "ID": 131696,  
79     "Kod": "FX"  
80 },  
81 {  
82     "Benamning": {  
83         "sv": "Underkänd",  
84         "en": "Failed"  
85     },  
86     "GiltigSomSlutbetyg": false,  
87     "ID": 131697,  
88     "Kod": "F"  
89 }  
90 ],  
91 "Dolt": false,  
92 "Giltighetsperiod": {  
93     "Startdatum": "2007-07-01"  
94 },  
95 "ID": "131657",  
96 "Kod": "AF"  
97 },  
98 "Enhet": "HP",  
99 "GallerUtbildningUtanAngivenOmfattning": false,  
100 "HarTillgodoraknandePaHelaUtbildningen": false,  
101 "Kod": "DD2395",  
102 "KravPaHanvisningTillBeslutshandling": false,  
103 "KravPaProjekttitel": false,  
104 "KursenHarAvbrott": false,  
105 "Omfattning": 6.0,  
106 "ResultatPaKursVidAttesteringAvModul": false,  
107 "ResultatPaUtbildning": {  
108     "HarTillgodoraknande": false,  
109     "HeltTillgodoraknad": false,
```

```

110     "KanExkluderas": false,
111     "OvrigaResultat": [],
112     "SenastAttesteradeResultat": {
113       "Anteckning": "Detaljer om kursresultat från gamla Ladok: Inläggningsdatum (idatum):[2010-04-1",
114       "Beslutsdatum": "2010-04-07",
115       "Beslutsfattare": "Sonja Buchegger",
116       "Betygsgrad": 131661,
117       "Betygsgradsobjekt": {
118         "Benamning": {
119           "sv": "Utmärkt",
120           "en": "Excellent"
121         },
122         "GiltigSomSlutbetyg": true,
123         "ID": 131661,
124         "Kod": "A"
125       },
126       "BetygsskalaID": 131657,
127       "Examinationsdatum": "2010-04-07",
128       "ForbereddForBorttag": false,
129       "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
130       "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
131       "Noteringar": [],
132       "Noteringsdefinitioner": [],
133       "ProcessStatus": 3,
134       "ResultatUID": "d274ed3f-741a-11e8-b046-cb26945c40f5",
135       "SenasteResultatandring": "2018-06-20T01:45:18.367",
136       "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
137       "StudieresultatUID": "a4a4be29-73f2-11e8-b046-cb26945c40f5",
138       "Uid": "d274ed3f-741a-11e8-b046-cb26945c40f5",
139       "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3"
140     },
141     "TotalTillgodoraknadOmfattning": 0.0,
142     "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54"
143   },
144   "Tillgodoraknanden": [],
145   "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54",
146   "UtbildningsinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
147   "Utbildningsinstansbenamningar": {
148     "sv": "Datasäkerhet",
149     "en": "Computer Security"
150   }
151 },
152 "VersionensModuler": [
153   {
154     "Betygsskala": {
155       "Benamning": {
156         "sv": "Tvågradig betygsskala",
157         "en": "Two point grading scale"
158       },
159       "Beskrivning": {},

```

```

160     "Betygsgrad": [
161       {
162         "Benamning": {
163           "sv": "Godkänd",
164           "en": "Pass"
165         },
166         "GiltigSomSlutbetyg": true,
167         "ID": 131658,
168         "Kod": "P"
169       },
170       {
171         "Benamning": {
172           "sv": "Underkänd",
173           "en": "Failed"
174         },
175         "GiltigSomSlutbetyg": false,
176         "ID": 131663,
177         "Kod": "F"
178       }
179     ],
180     "Dolt": false,
181     "Giltighetsperiod": {},
182     "ID": "131656",
183     "Kod": "PF"
184   },
185   "Enhet": "HP",
186   "GallerUtbildningUtanAngivenOmfattning": false,
187   "HarTillgodoraknandePaHelaUtbildningen": false,
188   "Kod": "LAB1",
189   "KravPaHanvisningTillBeslutshandling": false,
190   "KravPaProjekttitel": false,
191   "KursenHarAvbrott": false,
192   "Omfattning": 3.0,
193   "ResultatPaKursVidAttesteringAvModul": false,
194   "ResultatPaUtbildning": {
195     "HarTillgodoraknande": false,
196     "HeltTillgodoraknad": false,
197     "KanExkluderas": false,
198     "OvrigaResultat": [],
199     "SenastAttesteradeResultat": {
200       "Anteckning": "Detaljer om modulresultat från gamla Ladok: Inläggningsdatum (idatum):[2010-0",
201       "Beslutsdatum": "2010-04-07",
202       "Beslutsfattare": "Uppgift om examinator saknas/Not applicable",
203       "Betygsgrad": 131658,
204       "Betygsgradsobjekt": {
205         "Benamning": {
206           "sv": "Godkänd",
207           "en": "Pass"
208         },
209         "GiltigSomSlutbetyg": true,

```

```

210         "ID": 131658,
211         "Kod": "P"
212     },
213     "BetygsskalaID": 131656,
214     "Examinationsdatum": "2010-04-07",
215     "ForbereddForBorttag": false,
216     "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
217     "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
218     "Noteringar": [],
219     "Noteringsdefinitioner": [],
220     "ProcessStatus": 3,
221     "ResultatUID": "34b536b2-7410-11e8-b046-cb26945c40f5",
222     "SenasteResultatandring": "2018-06-20T00:29:18.739",
223     "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
224     "StudieresultatUID": "a4a4be29-73f2-11e8-b046-cb26945c40f5",
225     "Uid": "34b536b2-7410-11e8-b046-cb26945c40f5",
226     "UtbildningsinstansUID": "39ca2861-73d8-11e8-b4e0-063f9afb40e3"
227 },
228 "TotalTillgodoraknadOmfattning": 0.0,
229 "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54"
230 },
231 "Tillgodoraknanden": [],
232 "UtbildningUID": "39ca27fe-73d8-11e8-afa7-8e408e694e54",
233 "UtbildningsinstansUID": "39ca2861-73d8-11e8-b4e0-063f9afb40e3",
234 "Utbildningsinstansbenamningar": {
235     "sv": "Laborationer",
236     "en": "Laboratory Work"
237 }
238 },
239 {
240     "Betygsskala": {
241         "Benamning": {
242             "sv": "Sjugradig betygsskala",
243             "en": "Seven point grading scale"
244         },
245         "Beskrivning": {},
246         "Betygsgrad": [
247             {
248                 "Benamning": {
249                     "sv": "Utmärkt",
250                     "en": "Excellent"
251                 },
252                 "GiltigSomSlutbetyg": true,
253                 "ID": 131661,
254                 "Kod": "A"
255             },
256             {
257                 "Benamning": {
258                     "sv": "Mycket bra",
259                     "en": "Very Good"

```

```
260     },
261     "GiltigSomSlutbetyg": true,
262     "ID": 131667,
263     "Kod": "B"
264   },
265   {
266     "Benamning": {
267       "sv": "Bra",
268       "en": "Good"
269     },
270     "GiltigSomSlutbetyg": true,
271     "ID": 131673,
272     "Kod": "C"
273   },
274   {
275     "Benamning": {
276       "sv": "Tillfredsställande",
277       "en": "Satisfactory"
278     },
279     "GiltigSomSlutbetyg": true,
280     "ID": 131679,
281     "Kod": "D"
282   },
283   {
284     "Benamning": {
285       "sv": "Tillräcklig",
286       "en": "Sufficient"
287     },
288     "GiltigSomSlutbetyg": true,
289     "ID": 131691,
290     "Kod": "E"
291   },
292   {
293     "Benamning": {
294       "sv": "Underkänd",
295       "en": "Not satisfactory"
296     },
297     "GiltigSomSlutbetyg": false,
298     "ID": 131696,
299     "Kod": "FX"
300   },
301   {
302     "Benamning": {
303       "sv": "Underkänd",
304       "en": "Failed"
305     },
306     "GiltigSomSlutbetyg": false,
307     "ID": 131697,
308     "Kod": "F"
309   }
}
```



```

310     ],
311     "Dolt": false,
312     "Giltighetsperiod": {
313         "Startdatum": "2007-07-01"
314     },
315     "ID": "131657",
316     "Kod": "AF"
317 },
318 "Enhet": "HP",
319 "GallerUtbildningUtanAngivenOmfattning": false,
320 "HarTillgodoraknandePaHelaUtbildningen": false,
321 "Kod": "TEN1",
322 "KravPaHanvisningTillBeslutshandling": false,
323 "KravPaProjekttitel": false,
324 "KursenHarAvbrott": false,
325 "Omfattning": 3.0,
326 "ResultatPaKursVidAttesteringAvModul": false,
327 "ResultatPaUtbildning": {
328     "HarTillgodoraknande": false,
329     "HeltTillgodoraknad": false,
330     "KanExkluderas": false,
331     "OvrigaResultat": [],
332     "SenastAttesteradeResultat": {
333         "Anteckning": "Detaljer om modulresultat från gamla Ladok: Inläggningsdatum (idatum):[2010-03-18",
334         "Beslutsdatum": "2010-03-18",
335         "Beslutsfattare": "Uppgift om examinerator saknas/Not applicable",
336         "Betygsgrad": 131661,
337         "Betygsgradsobjekt": {
338             "Benamning": {
339                 "sv": "Utmärkt",
340                 "en": "Excellent"
341             },
342             "GiltigSomSlutbetyg": true,
343             "ID": 131661,
344             "Kod": "A"
345         },
346         "BetygsskalaID": 131657,
347         "Examinationsdatum": "2010-03-18",
348         "ForbereddForBorttag": false,
349         "KursinstansUID": "39c56d6a-73d8-11e8-b4e0-063f9afb40e3",
350         "KurstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3",
351         "Noteringar": [],
352         "Noteringsdefinitioner": [],
353         "ProcessStatus": 3,
354         "ResultatUID": "34b780dc-7410-11e8-b046-cb26945c40f5",
355         "SenasteResultatandring": "2018-06-20T00:29:18.754",
356         "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
357         "StudieresultatUID": "a4a4be29-73f2-11e8-b046-cb26945c40f5",
358         "Uid": "34b780dc-7410-11e8-b046-cb26945c40f5",
359         "UtbildningsinstansUID": "39c5947b-73d8-11e8-b4e0-063f9afb40e3"

```

```

360         },
361         "TotalTillgodoraknadOmfattning": 0.0,
362         "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54"
363     },
364     "Tillgodoraknanden": [],
365     "UtbildningUID": "39c593d1-73d8-11e8-afa7-8e408e694e54",
366     "UtbildningsinstansUID": "39c5947b-73d8-11e8-b4e0-063f9afb40e3",
367     "Utbildningsinstansbenamningar": {
368         "sv": "Tentamen",
369         "en": "Examination"
370     }
371 }
372 ]
373 }
374 ],
375 "NoteringsdefinitionerKoppladeTillResultat": [],
376 "ResultatUtanKopplingTillKursversion": [],
377 "StudentUID": "de709f81-a867-11e7-8dbf-78e86dc2470c",
378 "UtbildningUID": "39cf7fb4-73d8-11e8-afa7-8e408e694e54"
379 }

```

### 19.3 Modifying results

We have two alternatives: add a new result or update an existing result draft.

#### 19.3.1 create\_result\_JSON

This method is used to create a new result. This result will be a draft. It must later be finalized and then attested.

Note that since this is a new result, we must provide the StudieresultatUID where we want to add the result. When we've done this, we'll get a ResultatUID back in the response. From then on, it's the ResultatUID that's interesting.

Note also that we can use course\_instance\_id as component\_id, this will set the result on the whole course.

```

619 <LadokSession data methods 95c>+≡
    def create_result_JSON(self,
        student_id, course_instance_id, component_id,
        grade_id, date,
        project_title=None):
        """Creates a new result"""
        response = self.post_query(
            f"/resultat/internal/resultat/student/{student_id}"
            f"/kursinstans/{course_instance_id}"
            f"/utbildningsinstans/{component_id}"
            f"/skapa",
            {
                "Betygsgrad": grade_id,
                "Examinationsdatum": date,
                "Projekttitel": project_title
            }
        )

```

```

    }
)

if response.status_code == requests.codes.ok:
    return response.json()
raise Exception(f"LADOK create request failed: "
                f"{response.json()[ 'Meddelande' ]}")

```

We test this in the following way.

```

620 <test functions 99b>+≡
    datintro_student_uid = "76291c55-d24a-11ea-a4db-82cca4dd4b3e"
    datintro_instance_id = "2179e02c-d6b5-11e8-8fd5-cf9d2c5c41ba"
    datintro_LAB1_id = "385a4428-73d8-11e8-b4e0-063f9afb40e3"

    result_uid = None
    result_last_modified = None

    def test_create_result_JSON():
        result = ladok.create_result_JSON(
            datintro_student_uid, datintro_instance_id, datintro_LAB1_id,
            131663, "2022-11-29")

        global result_uid
        result_uid = result["Uid"]
        global result_last_modified
        result_last_modified = result["SenasteResultatandring"]

        assert json.dumps(result, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1  {
2    "Betygsgrad": 131663,
3    "Betygsgradsobjekt": {
4      "GiltigSomSlutbetyg": false,
5      "ID": 131663,
6      "Kod": "F"
7    },
8    "BetygsskalaID": 131656,
9    "Examinationsdatum": "2022-11-27",
10   "ForbereddForBorttag": false,
11   "KursinstansUID": "2179e02c-d6b5-11e8-8fd5-cf9d2c5c41ba",
12   "KurstillfalleUID": "e058a850-1a94-11ea-a622-3565135944de",
13   "Noteringar": [],
14   "Noteringsdefinitioner": [],
15   "ProcessStatus": 1,
16   "ResultatUID": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
17   "SenasteResultatandring": "2025-04-30T13:26:18.542",
18   "StudentUID": "76291c55-d24a-11ea-a4db-82cca4dd4b3e",
19   "StudieresultatUID": "c052ecf9-e2d6-11ea-8f88-9c9fd6664756",

```

```

20     "Uid": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
21     "UtbildningsinstansUID": "385a4428-73d8-11e8-b4e0-063f9afb40e3"
22 }

```

LADOK changed this API request in 2022.

### 19.3.2 update\_result\_JSON

This method updates an existing result draft. Note that we cannot use this method to update a finalized result. Note also that we use the ResultatUID and not the StudieresultatUID as we did for create\_result\_JSON.

```

621a <LadokSession data methods 95c>+≡
def update_result_JSON(self,
    result_id, grade_id, date, last_modified, notes=[]):
    response = self.put_query(
        f"/resultat/internal/resultat/uppdatera/{result_id}",
        {
            'Betygsgrad': grade_id,
            'Examinationsdatum': date,
            'Noteringar': notes,
            'SenasteResultatandring': last_modified
        }
    )

    if response.status_code == requests.codes.ok:
        return response.json()
    raise Exception(f"LADOK request to modify result failed: "
        f"{response.json()['Meddelande']}")

```

We test this in the following way.

```

621b <test functions 99b>+≡
def test_update_result_JSON():
    global result_uid
    global result_last_modified

    result = ladok.update_result_JSON(
        result_uid, 131658, "2022-11-28", result_last_modified)

    result_last_modified = result["SenasteResultatandring"]

    assert json.dumps(result, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1  {
2  "Betygsgrad": 131658,
3  "Betygsgradsobjekt": {
4  "GiltigSomSlutbetyg": true,
5  "ID": 131658,
6  "Kod": "P"
7  },

```

```

8  "BetygsskalaID": 131656,
9  "Examinationsdatum": "2022-11-29",
10 "ForbereddForBorttag": false,
11 "KursinstansUID": "2179e02c-d6b5-11e8-8fd5-cf9d2c5c41ba",
12 "KurstillfalleUID": "e058a850-1a94-11ea-a622-3565135944de",
13 "Noteringar": [],
14 "Noteringsdefinitioner": [],
15 "ProcessStatus": 1,
16 "ResultatUID": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
17 "SenasteResultatandring": "2025-04-30T13:26:18.67",
18 "StudentUID": "76291c55-d24a-11ea-a4db-82cca4dd4b3e",
19 "StudieresultatUID": "c052ecf9-e2d6-11ea-8f88-9c9fd6664756",
20 "Uid": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
21 "UtbildningsinstansUID": "385a4428-73d8-11e8-b4e0-063f9afb40e3"
22 }

```

## 19.4 Finalizing a result

Here we cover the API calls needed to finalize (klarmarkera) a result in LADOK. To finalize a result, we first need to know the possible reporters and attestants. However, normally that's us, so we want to find the info of the currently logged in LADOK user.

### 19.4.1 result\_attestants\_JSON and result\_reporters\_JSON

To finalize a result, we must know two things: who is reporting and who can attest. We start with who can attest.

```

622a <LadokSession data methods 95c>+≡
def result_attestants_JSON(self, result_id):
    """Returns a list of result attestants"""
    response = self.put_query(
        "/resultat/internal/anvandre/resultatrattighet/attestanter/kurstillfallesrapportering",
        {"Identitet": [result_id]}
    )

    if response.status_code == 200:
        return response.json()["Anvandre"]
    raise Exception(response.json()["Meddelande"])

```

The `result_id` is the ID returned in the `ResultatUID` field in the response from the `create_result_JSON` method.

LADOK changed this API request in 2022: the `internal` is mandatory part of the path.

We can test this in the following way.

```

622b <test functions 99b>+≡
def test_result_attestants_JSON():
    global result_uid
    try:
        attestants = ladok.result_attestants_JSON(result_uid)
        assert json.dumps(attestants, indent=2, ensure_ascii=False)

```

```
except Exception as err:
    assert "Några av angivna resultatidentiter" in str(err)
```

This code is used in chunk 94.

The output looks like this.

```
1  [
2  {
3      "Anvandarnamn": "user@domain.se",
4      "Efternamn": "Studentzadeh",
5      "Fornamn": "Student",
6      "Uid": "0ad46a6f-f058-11e6-914e-6af6ab854a1a"
7  },
8  {
9      "Anvandarnamn": "user@domain.se",
10     "Efternamn": "Studentzadeh",
11     "Fornamn": "Student",
12     "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
13  }
14  ]
```

Now, we get a list of who can report (basically anyone registered in the entire organization).

623a `<LadokSession data methods 95c>+≡`

```
def result_reporters_JSON(self, organization_id):
    """Returns a list of who can report results in an organization"""
    response = self.get_query(
        "/kataloginformation/internal/anvandare/organisation/" +
        organization_id + "/resultatrapportorer",
        "application/vnd.ladok-kataloginformation+json"
    )

    if response.status_code == 200:
        return response.json()["Anvandare"]
    raise Exception(response.text)
```

We test this method as follows.

623b `<test functions 99b>+≡`

```
def test_result_reporters_JSON():
    reporters = ladok.result_reporters_JSON(KTH_org_id)
    assert json.dumps(reporters, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1  [
2  {
3      "AnvandareStatus": "AKTIV",
4      "Anvandarnamn": "user@domain.se",
5      "Efternamn": "Studentzadeh",
6      "Fornamn": "Student",
7      "LarosateID": 29,
8      "Uid": "7c3b78ca-5790-11e9-aa01-33005ebe4882"
```

```

9     },
10    {
11        "AnvandareStatus": "AKTIV",
12        "Anvandarnamn": "user@domain.se",
13        "Efternamn": "Studentzadeh",
14        "Fornamn": "Student",
15        "LarosateID": 29,
16        "Uid": "c2c14b87-3a90-11e9-98c7-6e9130f64812"
17    },
18    {
19        "AnvandareStatus": "AKTIV",
20        "Anvandarnamn": "user@domain.se",
21        "Efternamn": "Studentzadeh",
22        "Fornamn": "Student",
23        "LarosateID": 29,
24        "Uid": "ab6ef714-15fb-11e7-a1a0-8cb7e2bc425d"
25    }
26 ]

```

#### 19.4.2 user\_info\_JSON

Usually, we want to set the reporter to the logged-in user. We can use the following API call to get information about the logged-in user.

```

624a <LadokSession data methods 95c>+≡
def user_info_JSON(self):
    response = self.get_query(
        "/kataloginformation/internal/anvandare/anvandarinformation",
        "application/vnd.ladok-kataloginformation+json"
    )

```

```

    if response.status_code == 200:
        return response.json()
    raise Exception(response.text)

```

We test this as follows.

```

624b <test functions 99b>+≡
def test_user_info_JSON():
    me_teacher = ladok.user_info_JSON()
    assert json.dumps(me_teacher, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1  {
2      "AnvandareUID": "21f4667a-e864-11ea-adbf-a14961264cf0",
3      "Epost": "dbosk@kth.se",
4      "Leveranspreferenser": [],
5      "Uid": "25c8c6d7-e864-11ea-adbf-a14961264cf0"
6  }

```

### 19.4.3 finalize\_result\_JSON

Finally, we can finalize the reported grade. If `attestant_id` is not `None`, then LADOK will send a notification to that person. (LADOK changed this API request in 2022.)

```
625a <LadokSession data methods 95c>+≡
def finalize_result_JSON(self,
    result_id, last_modified, reporter_id, attestant_ids=[],
    others=[]):
    """Marks a result as finalized (klarmarkera)"""
    response = self.put_query(
        f"/resultat/internal/resultat/klarmarkera/{result_id}",
        {
            "Beslutsfattare": attestant_ids,
            "KlarmarkeradAvUID": reporter_id,
            "RattadAv": [],
            "OvrigaMedverkande": "\n".join(set(others)),
            "ResultatetsSenastSparad": last_modified
        }
    )

    if response.status_code == requests.codes.ok:
        return response.json()
    raise Exception(response.json()["Meddelande"])
```

This method returns a copy of the finalized result.

We test this in the following way.

```
625b <test functions 99b>+≡
reporter_id = "21f4667a-e864-11ea-adbf-a14961264cf0"

def test_finalize_result_JSON():
    global result_uid
    global result_last_modified

    result = ladok.finalize_result_JSON(
        result_uid, result_last_modified, reporter_id)

    result_last_modified = result["SenasteResultatandring"]

    assert json.dumps(result, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1 {
2   "Betygsgrad": 131658,
3   "Betygsgradsobjekt": {
4     "GiltigSomSlutbetyg": true,
5     "ID": 131658,
6     "Kod": "P"
7   },
8   "BetygsskalaID": 131656,
```



```

9  "Examinationsdatum": "2022-11-29",
10 "ForbereddForBorttag": false,
11 "KursinstansUID": "2179e02c-d6b5-11e8-8fd5-cf9d2c5c41ba",
12 "KurstillfalleUID": "e058a850-1a94-11ea-a622-3565135944de",
13 "Noteringar": [],
14 "Noteringsdefinitioner": [],
15 "ProcessStatus": 2,
16 "ResultatUID": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
17 "SenasteResultatandring": "2025-04-30T13:26:19.512",
18 "StudentUID": "76291c55-d24a-11ea-a4db-82cca4dd4b3e",
19 "StudieresultatUID": "c052ecf9-e2d6-11ea-8f88-9c9fd6664756",
20 "Uid": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
21 "UtbildningsinstansUID": "385a4428-73d8-11e8-b4e0-063f9afb40e3"
22 }

```

#### 19.4.4 update\_finalized\_result\_JSON

To update an already finalised result, we can use the following API call. The only difference from the call above (Section 19.3.2) is that the URL uses `uppdateraklarmarkerat` instead of just `uppdatera`.

```

626a <LadokSession data methods 95c>+≡
def update_finalized_result_JSON(self,
    result_id, grade_id, date, last_modified, notes=[]):
    response = self.put_query(
        f"/resultat/internal/resultat/uppdateraklarmarkerat/{result_id}",
        {
            'Betygsgrad': grade_id,
            'Examinationsdatum': date,
            'Noteringar': notes,
            'SenasteResultatandring': last_modified
        }
    )

    if response.status_code == requests.codes.ok:
        return response.json()
    raise Exception(f"LADOK request to modify finalized result failed: "
        f"{response.json()[ 'Meddelande' ]}")

```

We test this in the following way.

```

626b <test functions 99b>+≡
def test_update_finalized_result_JSON():
    global result_uid
    global result_last_modified

    result = ladok.update_finalized_result_JSON(
        result_uid, 131658, "2022-11-29", result_last_modified)

    result_last_modified = result["SenasteResultatandring"]

    assert json.dumps(result, indent=2, ensure_ascii=False)

```

This code is used in chunk 94.

The output looks like this.

```

1 {
2   "Betygsgrad": 131658,
3   "Betygsgradsobjekt": {
4     "GiltigSomSlutbetyg": true,
5     "ID": 131658,
6     "Kod": "P"
7   },
8   "BetygsskalaID": 131656,
9   "Examinationsdatum": "2022-11-29",
10  "ForbereddForBorttag": false,
11  "KursinstansUID": "2179e02c-d6b5-11e8-8fd5-cf9d2c5c41ba",
12  "KurstillfalleUID": "e058a850-1a94-11ea-a622-3565135944de",
13  "Noteringar": [],
14  "Noteringsdefinitioner": [],
15  "ProcessStatus": 2,
16  "ResultatUID": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
17  "SenasteResultatandring": "2025-04-30T13:26:19.574",
18  "StudentUID": "76291c55-d24a-11ea-a4db-82cca4dd4b3e",
19  "StudieresultatUID": "c052ecf9-e2d6-11ea-8f88-9c9fd6664756",
20  "Uid": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
21  "UtbildningsinstansUID": "385a4428-73d8-11e8-b4e0-063f9afb40e3"
22 }
```

#### 19.4.5 finalized\_result\_to\_draft\_JSON

We can also change a result from finalized back to draft status.

```

627a <LadokSession data methods 95c>+≡
def finalized_result_to_draft_JSON(self, result_id, last_modified):
    response = self.put_query(
        f"/resultat/internal/resultat/tillbakatillutkast/{result_id}",
        {
            'ResultatUID': result_id,
            'ResultatetsSenastSparad': last_modified
        }
    )

    if response.status_code == requests.codes.ok:
        return response.json()
    raise Exception(f"LADOK request to change finalized result to draft failed: "
                    f"{response.json()[ 'Meddelande' ]}")
```

We test this in the following way.

```

627b <test functions 99b>+≡
def test_finalized_result_to_draft_JSON():
    global result_uid
    global result_last_modified
```

```
result = ladok.finalized_result_to_draft_JSON(
    result_uid, result_last_modified)
```

```
assert json.dumps(result, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1 {
2   "Betygsgrad": 131658,
3   "Betygsgradsobjekt": {
4     "GiltigSomSlutbetyg": true,
5     "ID": 131658,
6     "Kod": "P"
7   },
8   "BetygsskalaID": 131656,
9   "Examinationsdatum": "2022-11-29",
10  "ForbereddForBorttag": false,
11  "KurstillfalleUID": "e058a850-1a94-11ea-a622-3565135944de",
12  "Noteringar": [],
13  "Noteringsdefinitioner": [],
14  "ProcessStatus": 1,
15  "ResultatUID": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
16  "SenasteResultatandring": "2025-04-30T13:26:19.632",
17  "StudentUID": "76291c55-d24a-11ea-a4db-82cca4dd4b3e",
18  "StudieresultatUID": "c052ecf9-e2d6-11ea-8f88-9c9fd6664756",
19  "Uid": "ef781d03-25b5-11f0-90ed-3afda07b44ed",
20  "UtbildningsinstansUID": "385a4428-73d8-11e8-b4e0-063f9afb40e3"
21 }
```

#### 19.4.6 remove\_result\_draft\_JSON

We can also change a result from finalized back to draft status.

```
628a <LadokSession data methods 95c>+≡
def remove_result_draft_JSON(self, result_id):
    response = self.del_query(
        f"/resultat/internal/resultat/tabort/{result_id}"
    )

    if response.status_code != 204:
        raise Exception(f"LADOK request to remove draft result failed: "
                        f"{response.status_code}: {response.text}")
```

We test this in the following way.

```
628b <test functions 99b>+≡
def test_remove_result_draft_JSON():
    global result_uid

    ladok.remove_result_draft_JSON(result_uid)
```

This code is used in chunk 94.

There is no output.

## 19.5 participants\_JSON

The method returns JSON data containing a list of students (the participants in the course round). (This is an extension of Maguire's original `participants_JSON` method. The essential difference is keyword arguments to filter which students to include.)

```
629 <LadokSession data methods 95c>+≡
def participants_JSON(self, course_round_id, /, **kwargs):
    """Returns JSON record containing participants in a course identified by
    round ID.
    Filters in kwargs: not_started, ongoing, registered, finished, cancelled"""
    participants_types = []
    if "not_started" in kwargs and kwargs["not_started"]:
        participants_types.append("EJ_PABORJAD")
    if "ongoing" in kwargs and kwargs["ongoing"]:
        participants_types.append("PAGAENDE")
    if "registered" in kwargs and kwargs["registered"]:
        participants_types.append("REGISTRERAD")
    if "finished" in kwargs and kwargs["finished"]:
        participants_types.append("AVKLARAD")
    if "cancelled" in kwargs and kwargs["cancelled"]:
        participants_types.append("AVBROTT")
    # 'ATERBUD', # Withdrawal
    # 'PAGAENDE_MED_SPARR', # on-going block exists
    # 'EJ_PAGAENDE_TILLFALLESBYTE', # not on-going due to instance exchange
    # 'UPPEHALL', # not on-going due to approved leave from studies

    if not kwargs:
        participants_types = ["PAGAENDE", "REGISTRERAD", "AVKLARAD"]

    put_data = {
        'page': 1,
        'limit': 400,
        'orderby': ['EFTERNAMN_ASC',
                    'FORNAMN_ASC',
                    'PERSONNUMMER_ASC',
                    'KONTROLLERAD_KURS_ASC'],
        'deltagare_tillstand': participants_types,
        'utbildningstillfalleUID': [course_round_id]
    }

    response = self.put_query(
        '/studiedeltagande/internal/deltagare/kurstillfalle',
        put_data,
        "application/vnd.ladok-studiedeltagande+json")
    if response.status_code == requests.codes.ok:
        return response.json()["Resultat"]
    raise Exception(f"can't get participants "
                    f"with course_round_id = {course_round_id}: "
                    f"{response.text}")
```

We test this as follows.

```
630 <test functions 99b>+≡
def test_participants_JSON():
    results = ladok.participants_JSON(dasak_round_id)
    assert json.dumps(results, indent=2, ensure_ascii=False)
```

This code is used in chunk 94.

The output looks like this.

```
1  [
2    {
3      "Avklarad": true,
4      "FleraDeltagandenPaSammaUtbildning": false,
5      "KodRotpaketering": "CL",
6      "Nuvarande": true,
7      "Paborjad": true,
8      "Student": {
9        "Efternamn": "Studentzadeh",
10       "Fornamn": "Student",
11       "Personnummer": "191234561234",
12       "Uid": "de709f81-a867-11e7-8dbf-78e86dc2470c"
13     },
14     "Studiestrukturereferens": "6cd8b548-73e0-11e8-b9fd-0a821ba7448e,6ce3ffb8-73e0-11e8-b9fd-0a821ba7448e",
15     "TillfallesantagningUID": "99402e3c-73f2-11e8-b9fd-0a821ba7448e",
16     "TillstandI18n": "studiedeltagande.studenthantering.deltagare.tillstand.avklarad",
17     "TillstandKurs": {
18       "Sammanfattat": "studiedeltagande.domain.tillstandsdefinition.avklarad",
19       "Sammanfattattillstand": "studiedeltagande.domain.tillstandsdefinition.avklarad",
20       "Tillfallesdeltagande": "studiedeltagande.domain.tillstandsdefinition.paborjad",
21       "Utbildning": "studiedeltagande.domain.tillstandsdefinition.avklarad"
22     },
23     "Uid": "99402e3c-73f2-11e8-b9fd-0a821ba7448e",
24     "UtbildningstillfalleUID": "79a8cb1b-73da-11e8-b4e0-063f9afb40e3"
25   }
26 ]
```

## Chapter 20

# Other API calls

The following API calls were explored and written by Chip Maguire. Bosk has merely added tests and generated example output, as well as minor reformatting of the code.

### 20.1 grading\_rights

We can get a list of our rights in LADOK.

```
631a <LadokSession data methods 95c>+≡
# added by GQMJr
def grading_rights(self):
    """
    Returns a list of dictionaries with the grading rights of the logged in user.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/resultat/internal/resultatrattighet/listaforinloggadanvandare',
        headers=self.headers).json()
    return r['Resultatrattighet']
```

Let's add a test. This should return a list of dictionaries.

```
631b <test functions 99b>+≡
def test_grading_rights():
    r = ladok.grading_rights()
    assert type(r) == list
    assert type(r[0]) == dict
```

This code is used in chunk 94.

The output looks like this:

```
1  [
2    {
3      "_resultatrattighet": "Kursrattighet",
4      "Anvandare": {
5        "Anvandarnamn": "user@domain.se",
6        "Efternamn": "Studentzadeh",
7        "Fornamn": "Student",
8        "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
```

```

9      },
10     "AviseraVidKlarForHelkurs": false,
11     "AvserAvveckladKurs": false,
12     "Benamning": "DD1317 Programming Techniques",
13     "Gruppavgransningar": [],
14     "KursUID": "70d5fdb9-2db7-11ec-bb06-8c8c04c8482a",
15     "Kursinstansavgransningar": [],
16     "Kurstillfallesavgransningar": [],
17     "Medarbetartyp": "ATTESTANT",
18     "Modulavgransningar": [],
19     "Organisation": {
20       "Benamning": {
21         "sv": "EECS/Datavetenskap",
22         "en": "EECS/Computer Science"
23       },
24       "Kod": "JH",
25       "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
26     },
27     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
28     "RattighetenSaknarPraktiskMening": false,
29     "SenastAndradAv": "suscar@kth.se",
30     "SenastSparad": "2022-08-17T15:40:30.09",
31     "Studentavgransningar": [],
32     "Uid": "28d99710-1e32-11ed-9245-f623fb064f00",
33     "Utbildningstypbenamning": {
34       "sv": "Kurs, grundniv\u00e5",
35       "en": "Course, First-cycle"
36     }
37   },
38   {
39     "_resultatrattighet": "Kursrattighet",
40     "Anvandare": {
41       "Anvandarnamn": "user@domain.se",
42       "Efternamn": "Studentzadeh",
43       "Fornamn": "Student",
44       "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
45     },
46     "AviseraVidKlarForHelkurs": false,
47     "AvserAvveckladKurs": false,
48     "Benamning": "DD1301 Computer Introduction",
49     "Gruppavgransningar": [],
50     "KursUID": "385f74c0-73d8-11e8-afa7-8e408e694e54",
51     "Kursinstansavgransningar": [],
52     "Kurstillfallesavgransningar": [],
53     "Medarbetartyp": "ATTESTANT",
54     "Modulavgransningar": [],
55     "Organisation": {
56       "Benamning": {
57         "sv": "EECS/Datavetenskap",
58         "en": "EECS/Computer Science"

```

```

59     },
60     "Kod": "JH",
61     "UId": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
62 },
63 "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
64 "RattighetenSaknarPraktiskMening": false,
65 "SenastAndradAv": "nannah@kth.se",
66 "SenastSparad": "2020-09-24T13:46:16.727",
67 "Studentavgransningar": [],
68 "UId": "8e126328-fe5b-11ea-a46d-46a9df314f55",
69 "Utbildningstypbenamning": {
70     "sv": "Kurs, grundniv\u00e5",
71     "en": "Course, First-cycle"
72 }
73 },
74 {
75     "_resultatrattighet": "Kursrattighet",
76     "Anvandare": {
77         "Anvandarnamn": "user@domain.se",
78         "Efternamn": "Studentzadeh",
79         "Fornamn": "Student",
80         "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
81     },
82     "AviseraVidKlarForHelkurs": false,
83     "AvserAvveckladKurs": false,
84     "Benamning": "DD1301 Computer Introduction",
85     "Gruppavgransningar": [],
86     "KursUID": "385f74c0-73d8-11e8-afa7-8e408e694e54",
87     "Kursinstansavgransningar": [],
88     "Kurstillfallesavgransningar": [],
89     "Medarbetartyp": "RAPPORTOR",
90     "Modulavgransningar": [],
91     "Organisation": {
92         "Benamning": {
93             "sv": "CSC/Teoretisk datalogi",
94             "en": "CSC/Theoretical Computer Science"
95         },
96         "Kod": "DL",
97         "UId": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6"
98     },
99     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
100    "RattighetenSaknarPraktiskMening": false,
101    "SenastAndradAv": "nannah@kth.se",
102    "SenastSparad": "2020-09-24T13:47:46.853",
103    "Studentavgransningar": [],
104    "UId": "c3ca862e-fe5b-11ea-a46d-46a9df314f55",
105    "Utbildningstypbenamning": {
106        "sv": "Kurs, grundniv\u00e5",
107        "en": "Course, First-cycle"
108    }

```



```

109 },
110 {
111   "_resultatrattighet": "Kursrattighet",
112   "Anvandare": {
113     "Anvandarnamn": "user@domain.se",
114     "Efternamn": "Studentzadeh",
115     "Fornamn": "Student",
116     "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
117   },
118   "AviseraVidKlarForHelkurs": false,
119   "AvserAvveckladKurs": false,
120   "Benamning": "DD1301 Computer Introduction",
121   "Gruppavgransningar": [],
122   "KursUID": "385f74c0-73d8-11e8-afa7-8e408e694e54",
123   "Kursinstansavgransningar": [],
124   "Kurstillfallesavgransningar": [],
125   "Medarbetartyp": "ATTESTANT",
126   "Modulavgransningar": [],
127   "Organisation": {
128     "Benamning": {
129       "sv": "CSC/Teoretisk datalogi",
130       "en": "CSC/Theoretical Computer Science"
131     },
132     "Kod": "DL",
133     "UId": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6"
134   },
135   "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
136   "RattighetenSaknarPraktiskMening": false,
137   "SenastAndradAv": "suscar@kth.se",
138   "SenastSparad": "2020-10-09T12:38:48.965",
139   "Studentavgransningar": [],
140   "UId": "9d9d2b77-0a1b-11eb-9d38-9773472c4c59",
141   "Utbildningstypbenamning": {
142     "sv": "Kurs, grundniv\u00e5",
143     "en": "Course, First-cycle"
144   }
145 },
146 {
147   "_resultatrattighet": "Kursrattighet",
148   "Anvandare": {
149     "Anvandarnamn": "user@domain.se",
150     "Efternamn": "Studentzadeh",
151     "Fornamn": "Student",
152     "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
153   },
154   "AviseraVidKlarForHelkurs": false,
155   "AvserAvveckladKurs": true,
156   "Benamning": "DD1315 Programming Techniques and Matlab",
157   "Gruppavgransningar": [],
158   "KursUID": "38ab2393-73d8-11e8-afa7-8e408e694e54",

```

```

159     "Kursinstansavgransningar": [],
160     "Kurstillfallesavgransningar": [],
161     "Medarbetartyp": "ATTESTANT",
162     "Modulavgransningar": [],
163     "Organisation": {
164         "Benamning": {
165             "sv": "CSC/Teoretisk datalogi",
166             "en": "CSC/Theoretical Computer Science"
167         },
168         "Kod": "DL",
169         "Uid": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6"
170     },
171     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
172     "RattighetenSaknarPraktiskMening": false,
173     "SenastAndradAv": "suscar@kth.se",
174     "SenastSparad": "2020-10-09T13:08:19.986",
175     "Studentavgransningar": [],
176     "Uid": "bd39872d-0a1f-11eb-9d38-9773472c4c59",
177     "Utbildningstypbenamning": {
178         "sv": "Kurs, grundniv\u00e5",
179         "en": "Course, First-cycle"
180     }
181 },
182 {
183     "_resultatrattighet": "Kursrattighet",
184     "Anvandare": {
185         "Anvandarnamn": "user@domain.se",
186         "Efternamn": "Studentzadeh",
187         "Fornamn": "Student",
188         "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
189     },
190     "AviseraVidKlarForHelkurs": false,
191     "AvserAvveckladKurs": false,
192     "Benamning": "DD1310 Programming Techniques",
193     "Gruppavgransningar": [],
194     "KursUID": "386a70fa-73d8-11e8-afa7-8e408e694e54",
195     "Kursinstansavgransningar": [],
196     "Kurstillfallesavgransningar": [],
197     "Medarbetartyp": "RAPPORTOR",
198     "Modulavgransningar": [],
199     "Organisation": {
200         "Benamning": {
201             "sv": "EECS/Datavetenskap",
202             "en": "EECS/Computer Science"
203         },
204         "Kod": "JH",
205         "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
206     },
207     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
208     "RattighetenSaknarPraktiskMening": false,

```

```

209     "SenastAndradAv": "mbw@kth.se",
210     "SenastSparad": "2021-09-17T10:18:33.012",
211     "Studentavgransningar": [],
212     "Uid": "d900e7f1-178f-11ec-a4aa-32ead39744f5",
213     "Utbildningstypbenamning": {
214         "sv": "Kurs, grundniv\u00e5",
215         "en": "Course, First-cycle"
216     }
217 },
218 {
219     "_resultatrattighet": "Kursrattighet",
220     "Anvandare": {
221         "Anvandarnamn": "user@domain.se",
222         "Efternamn": "Studentzadeh",
223         "Fornamn": "Student",
224         "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
225     },
226     "AviseraVidKlarForHelkurs": false,
227     "AvserAvveckladKurs": false,
228     "Benamning": "DD1310 Programming Techniques",
229     "Gruppavgransningar": [],
230     "KursUID": "386a70fa-73d8-11e8-afa7-8e408e694e54",
231     "Kursinstansavgransningar": [],
232     "Kurstillfallesavgransningar": [],
233     "Medarbetartyp": "RAPPORTOR",
234     "Modulavgransningar": [],
235     "Organisation": {
236         "Benamning": {
237             "sv": "CSC/Teoretisk datalogi",
238             "en": "CSC/Theoretical Computer Science"
239         },
240         "Kod": "DL",
241         "Uid": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6"
242     },
243     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
244     "RattighetenSaknarPraktiskMening": false,
245     "SenastAndradAv": "mbw@kth.se",
246     "SenastSparad": "2021-09-17T10:18:49.263",
247     "Studentavgransningar": [],
248     "Uid": "e2b09bfd-178f-11ec-a4aa-32ead39744f5",
249     "Utbildningstypbenamning": {
250         "sv": "Kurs, grundniv\u00e5",
251         "en": "Course, First-cycle"
252     }
253 },
254 {
255     "_resultatrattighet": "Kursrattighet",
256     "Anvandare": {
257         "Anvandarnamn": "user@domain.se",
258         "Efternamn": "Studentzadeh",

```

```

259     "Fornamn": "Student",
260     "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
261 },
262 "AviseraVidKlarForHelkurs": false,
263 "AvserAvveckladKurs": true,
264 "Benamning": "DD1315 Programming Techniques and Matlab",
265 "Gruppavgransningar": [],
266 "KursUID": "38ab2393-73d8-11e8-afa7-8e408e694e54",
267 "Kursinstansavgransningar": [],
268 "Kurstillfallesavgransningar": [],
269 "Medarbetartyp": "RAPPORTOR",
270 "Modulavgransningar": [],
271 "Organisation": {
272     "Benamning": {
273         "sv": "EECS/Datavetenskap",
274         "en": "EECS/Computer Science"
275     },
276     "Kod": "JH",
277     "UId": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
278 },
279 "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
280 "RattighetenSaknarPraktiskMening": false,
281 "SenastAndradAv": "gusrud@kth.se",
282 "SenastSparad": "2020-09-25T10:47:53.563",
283 "Studentavgransningar": [],
284 "UId": "cce6eb80-ff0b-11ea-a46d-46a9df314f55",
285 "Utbildningstypbenamning": {
286     "sv": "Kurs, grundniv\u00e5",
287     "en": "Course, First-cycle"
288 }
289 },
290 {
291     "_resultatrattighet": "Kursrattighet",
292     "Anvandare": {
293         "Anvandarnamn": "user@domain.se",
294         "Efternamn": "Studentzadeh",
295         "Fornamn": "Student",
296         "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
297     },
298     "AviseraVidKlarForHelkurs": false,
299     "AvserAvveckladKurs": true,
300     "Benamning": "DD1315 Programming Techniques and Matlab",
301     "Gruppavgransningar": [],
302     "KursUID": "38ab2393-73d8-11e8-afa7-8e408e694e54",
303     "Kursinstansavgransningar": [],
304     "Kurstillfallesavgransningar": [],
305     "Medarbetartyp": "RAPPORTOR",
306     "Modulavgransningar": [],
307     "Organisation": {
308         "Benamning": {

```

```

309         "sv": "CSC/Teoretisk datalogi",
310         "en": "CSC/Theoretical Computer Science"
311     },
312     "Kod": "DL",
313     "Uid": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6"
314 },
315 "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
316 "RattighetenSaknarPraktiskMening": false,
317 "SenastAndradAv": "gusrud@kth.se",
318 "SenastSparad": "2020-09-25T10:48:22.722",
319 "Studentavgransningar": [],
320 "Uid": "de483a53-ff0b-11ea-a46d-46a9df314f55",
321 "Utbildningstypbenamning": {
322     "sv": "Kurs, grundniv\u00e5",
323     "en": "Course, First-cycle"
324 }
325 },
326 {
327     "_resultatrattighet": "Kursrattighet",
328     "Anvandare": {
329         "Anvandarnamn": "user@domain.se",
330         "Efternamn": "Studentzadeh",
331         "Fornamn": "Student",
332         "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
333     },
334     "AviseraVidKlarForHelkurs": false,
335     "AvserAvveckladKurs": false,
336     "Benamning": "DD1317 Programming Techniques",
337     "Gruppavgransningar": [],
338     "KursUID": "70d5fdb9-2db7-11ec-bb06-8c8c04c8482a",
339     "Kursinstansavgransningar": [],
340     "Kurstillfallesavgransningar": [],
341     "Medarbetartyp": "RAPPORTOR",
342     "Modulavgransningar": [],
343     "Organisation": {
344         "Benamning": {
345             "sv": "EECS/Datavetenskap",
346             "en": "EECS/Computer Science"
347         },
348         "Kod": "JH",
349         "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
350     },
351     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
352     "RattighetenSaknarPraktiskMening": false,
353     "SenastAndradAv": "porander@kth.se",
354     "SenastSparad": "2022-08-19T12:10:45.274",
355     "Studentavgransningar": [],
356     "Uid": "308a9078-1fa7-11ed-a56a-628517614b89",
357     "Utbildningstypbenamning": {
358         "sv": "Kurs, grundniv\u00e5",

```

```

359     "en": "Course, First-cycle"
360   }
361 },
362 {
363   "_resultatrattighet": "Kursrattighet",
364   "Anvandare": {
365     "Anvandarnamn": "user@domain.se",
366     "Efternamn": "Studentzadeh",
367     "Fornamn": "Student",
368     "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
369   },
370   "AviseraVidKlarForHelkurs": false,
371   "AvserAvveckladKurs": false,
372   "Benamning": "DD1310 Programming Techniques",
373   "Gruppavgransningar": [],
374   "KursUID": "386a70fa-73d8-11e8-afa7-8e408e694e54",
375   "Kursinstansavgransningar": [],
376   "Kurstillfallesavgransningar": [],
377   "Medarbetartyp": "ATTESTANT",
378   "Modulavgransningar": [],
379   "Organisation": {
380     "Benamning": {
381       "sv": "EECS/Datavetenskap",
382       "en": "EECS/Computer Science"
383     },
384     "Kod": "JH",
385     "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
386   },
387   "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
388   "RattighetenSaknarPraktiskMening": false,
389   "SenastAndradAv": "suscar@kth.se",
390   "SenastSparad": "2021-08-26T12:44:43.373",
391   "Studentavgransningar": [],
392   "Uid": "9f754a48-065a-11ec-8449-6493a9404132",
393   "Utbildningstypbenamning": {
394     "sv": "Kurs, grundniv\u00e5",
395     "en": "Course, First-cycle"
396   }
397 },
398 {
399   "_resultatrattighet": "Kursrattighet",
400   "Anvandare": {
401     "Anvandarnamn": "user@domain.se",
402     "Efternamn": "Studentzadeh",
403     "Fornamn": "Student",
404     "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
405   },
406   "AviseraVidKlarForHelkurs": false,
407   "AvserAvveckladKurs": false,
408   "Benamning": "DD1310 Programming Techniques",

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409     "Gruppavgransningar": [],
410     "KursUID": "386a70fa-73d8-11e8-afa7-8e408e694e54",
411     "Kursinstansavgransningar": [],
412     "Kurstillfallesavgransningar": [],
413     "Medarbetartyp": "ATTESTANT",
414     "Modulavgransningar": [],
415     "Organisation": {
416         "Benamning": {
417             "sv": "CSC/Teoretisk datalogi",
418             "en": "CSC/Theoretical Computer Science"
419         },
420         "Kod": "DL",
421         "UId": "ea8a551c-73d6-11e8-8c58-f9aa7f7e4fb6"
422     },
423     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
424     "RattighetenSaknarPraktiskMening": false,
425     "SenastAndradAv": "suscar@kth.se",
426     "SenastSparad": "2021-08-26T12:44:55.214",
427     "Studentavgransningar": [],
428     "UId": "a68414e7-065a-11ec-8449-6493a9404132",
429     "Utbildningstypbenamning": {
430         "sv": "Kurs, grundniv\u00e5",
431         "en": "Course, First-cycle"
432     }
433 },
434 {
435     "_resultatrattighet": "Kursrattighet",
436     "Anvandare": {
437         "Anvandarnamn": "user@domain.se",
438         "Efternamn": "Studentzadeh",
439         "Fornamn": "Student",
440         "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
441     },
442     "AviseraVidKlarForHelkurs": false,
443     "AvserAvveckladKurs": false,
444     "Benamning": "DA2215 Theory of Science and Scientific methods in Cybersecurity",
445     "Gruppavgransningar": [],
446     "KursUID": "b790ea69-5065-11ed-9bb3-15472a47482f",
447     "Kursinstansavgransningar": [],
448     "Kurstillfallesavgransningar": [],
449     "Medarbetartyp": "ATTESTANT",
450     "Modulavgransningar": [],
451     "Organisation": {
452         "Benamning": {
453             "sv": "EECS/Datavetenskap",
454             "en": "EECS/Computer Science"
455         },
456         "Kod": "JH",
457         "UId": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
458     },

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```

459     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
460     "RattighetenSaknarPraktiskMening": false,
461     "SenastAndradAv": "suscar@kth.se",
462     "SenastSparad": "2023-08-28T16:14:20.567",
463     "Studentavgransningar": [],
464     "Uid": "2e6dcb67-45ad-11ee-9fea-bf8b97bd4a71",
465     "Utbildningstypbenamning": {
466         "sv": "Kurs, avancerad niv\u00e5",
467         "en": "Course, Second-cycle"
468     }
469 },
470 {
471     "_resultatrattighet": "Kursrattighet",
472     "Anvandare": {
473         "Anvandarnamn": "user@domain.se",
474         "Efternamn": "Studentzadeh",
475         "Fornamn": "Student",
476         "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
477     },
478     "AviseraVidKlarForHelkurs": false,
479     "AvserAvveckladKurs": false,
480     "Benamning": "DA2215 Theory of Science and Scientific methods in Cybersecurity",
481     "Gruppavgransningar": [],
482     "KursUID": "b790ea69-5065-11ed-9bb3-15472a47482f",
483     "Kursinstansavgransningar": [],
484     "Kurstillfallesavgransningar": [],
485     "Medarbetartyp": "RAPPORTOR",
486     "Modulavgransningar": [],
487     "Organisation": {
488         "Benamning": {
489             "sv": "EECS/Datavetenskap",
490             "en": "EECS/Computer Science"
491         },
492         "Kod": "JH",
493         "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
494     },
495     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
496     "RattighetenSaknarPraktiskMening": false,
497     "SenastAndradAv": "porander@kth.se",
498     "SenastSparad": "2023-08-29T11:21:11.547",
499     "Studentavgransningar": [],
500     "Uid": "64f814fc-464d-11ee-9fea-bf8b97bd4a71",
501     "Utbildningstypbenamning": {
502         "sv": "Kurs, avancerad niv\u00e5",
503         "en": "Course, Second-cycle"
504     }
505 },
506 {
507     "_resultatrattighet": "Kursrattighet",
508     "Anvandare": {

```



```

509     "Anvandarnamn": "user@domain.se",
510     "Efternamn": "Studentzadeh",
511     "Fornamn": "Student",
512     "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
513 },
514 "AviseraVidKlarForHelkurs": false,
515 "AvserAvveckladKurs": true,
516 "Benamning": "DD1315 Programming Techniques and Matlab",
517 "Gruppavgransningar": [],
518 "KursUID": "38ab2393-73d8-11e8-afa7-8e408e694e54",
519 "Kursinstansavgransningar": [],
520 "Kurstillfallesavgransningar": [],
521 "Medarbetartyp": "ATTESTANT",
522 "Modulavgransningar": [],
523 "Organisation": {
524     "Benamning": {
525         "sv": "EECS/Datavetenskap",
526         "en": "EECS/Computer Science"
527     },
528     "Kod": "JH",
529     "UId": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
530 },
531 "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
532 "RattighetenSaknarPraktiskMening": false,
533 "SenastAndradAv": "nannah@kth.se",
534 "SenastSparad": "2020-09-24T13:46:48.089",
535 "Studentavgransningar": [],
536 "UId": "a0c3d8c7-fe5b-11ea-a46d-46a9df314f55",
537 "Utbildningstypbenamning": {
538     "sv": "Kurs, grundniv\u00e5",
539     "en": "Course, First-cycle"
540 }
541 },
542 {
543     "_resultatrattighet": "Kursrattighet",
544     "Anvandare": {
545         "Anvandarnamn": "user@domain.se",
546         "Efternamn": "Studentzadeh",
547         "Fornamn": "Student",
548         "UId": "21f4667a-e864-11ea-adbf-a14961264cf0"
549     },
550     "AviseraVidKlarForHelkurs": false,
551     "AvserAvveckladKurs": false,
552     "Benamning": "DD1301 Computer Introduction",
553     "Gruppavgransningar": [],
554     "KursUID": "385f74c0-73d8-11e8-afa7-8e408e694e54",
555     "Kursinstansavgransningar": [],
556     "Kurstillfallesavgransningar": [],
557     "Medarbetartyp": "RAPPORTOR",
558     "Modulavgransningar": [],

```

```

559     "Organisation": {
560       "Benamning": {
561         "sv": "EECS/Datavetenskap",
562         "en": "EECS/Computer Science"
563       },
564       "Kod": "JH",
565       "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
566     },
567     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
568     "RattighetenSaknarPraktiskMening": false,
569     "SenastAndradAv": "nannah@kth.se",
570     "SenastSparad": "2020-09-24T13:47:26.409",
571     "Studentavgransningar": [],
572     "Uid": "b79b0424-fe5b-11ea-a46d-46a9df314f55",
573     "Utbildningstypbenamning": {
574       "sv": "Kurs, grundniv\u00e5",
575       "en": "Course, First-cycle"
576     }
577   },
578   {
579     "_resultatrattighet": "Kursrattighet",
580     "Anvandare": {
581       "Anvandarnamn": "user@domain.se",
582       "Efternamn": "Studentzadeh",
583       "Fornamn": "Student",
584       "Uid": "21f4667a-e864-11ea-adbf-a14961264cf0"
585     },
586     "AviseraVidKlarForHelkurs": false,
587     "AvserAvveckladKurs": false,
588     "Benamning": "DD2520 Applied Cryptography",
589     "Gruppavgransningar": [],
590     "KursUID": "ab9c7c6b-d605-11e8-b094-9def723747ec",
591     "Kursinstansavgransningar": [],
592     "Kurstillfallesavgransningar": [],
593     "Medarbetartyp": "RAPPORTOR",
594     "Modulavgransningar": [],
595     "Organisation": {
596       "Benamning": {
597         "sv": "EECS/Datavetenskap",
598         "en": "EECS/Computer Science"
599       },
600       "Kod": "JH",
601       "Uid": "2474f616-dc41-11e8-8cc1-eaeeb71b497f"
602     },
603     "RattighetenAvser": "HEL_KURS_OCH_MODUL_RESULTAT",
604     "RattighetenSaknarPraktiskMening": false,
605     "SenastAndradAv": "porander@kth.se",
606     "SenastSparad": "2024-03-11T08:51:02.167",
607     "Studentavgransningar": [],
608     "Uid": "1b477303-df7c-11ee-9444-4f74d3634b6b",

```

```

609     "Utbildningstypbenamning": {
610         "sv": "Kurs, avancerad niv\u00e5",
611         "en": "Course, Second-cycle"
612     }
613 }
614 ]

```

## 20.2 organization\_info\_JSON

We can get information about the organization.

```

644a <LadokSession data methods 95c>+≡
    # added by GQMJr
    def organization_info_JSON(self):
        """
        Returns a dictionary of organization information for the entire institution
        of the logged in user.
        """
        r = self.session.get(
            url=self.base_gui_proxy_url + '/resultat/internal/organisation/utanlankar',
            headers=self.headers).json()
        return r

    Let's add a test. This should return a dictionary.
644b <test functions 99b>+≡
    def test_organization_info_JSON():
        r = ladok.organization_info_JSON()
        assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Organisation": [
3      {
4          "Benamning": {
5              "sv": "KTH Universitetsf\u00f6rvaltning/SI",
6              "en": "KTH Student's Office/SI"
7          },
8          "Kod": "100",
9          "Organisationsenhetstyp": "INSTITUTION",
10         "Uid": "e83d5892-73d6-11e8-8c58-f9aa7f7e4fb6"
11     },
12     {
13         "Benamning": {
14             "sv": "KTH Arkitekturskolan",
15             "en": "KTH School of Architecture"
16         },
17         "Kod": "110",
18         "Organisationsenhetstyp": "INSTITUTION",
19         "Uid": "e842afc9-73d6-11e8-8c58-f9aa7f7e4fb6"
20     },

```

```

21  {
22    "Benamning": {
23      "sv": "KTH Mark och vattenteknik",
24      "en": "KTH Land & Water Resources Engineering"
25    },
26    "Kod": "120",
27    "Organisationsenhetstyp": "INSTITUTION",
28    "Uid": "e8482e10-73d6-11e8-8c58-f9aa7f7e4fb6"
29  },
30  {
31    "Benamning": {
32      "sv": "KTH Bygghkonstruktion",
33      "en": "KTH Structural Engineering"
34    },
35    "Kod": "130",
36    "Organisationsenhetstyp": "INSTITUTION",
37    "Uid": "e84dac57-73d6-11e8-8c58-f9aa7f7e4fb6"
38  },
39  {
40    "Benamning": {
41      "sv": "KTH Bygghvetenskap",
42      "en": "KTH Civil and Architectural Engineering"
43    },
44    "Kod": "140",
45    "Organisationsenhetstyp": "INSTITUTION",
46    "Uid": "e857705e-73d6-11e8-8c58-f9aa7f7e4fb6"
47  },
48  {
49    "Benamning": {
50      "sv": "Inst f byggv.sk., anv ej - nu inst 140",
51      "en": "- No translation available -"
52    },
53    "Kod": "1401",
54    "Organisationsenhetstyp": "INSTITUTION",
55    "Uid": "e85ceea5-73d6-11e8-8c58-f9aa7f7e4fb6"
56  },
57  {
58    "Benamning": {
59      "sv": "KTH Geodesi o fotogrammetri",
60      "en": "KTH Geodesy and Photogrammetry"
61    },
62    "Kod": "150",
63    "Organisationsenhetstyp": "INSTITUTION",
64    "Uid": "e8637e5c-73d6-11e8-8c58-f9aa7f7e4fb6"
65  },
66  {
67    "Benamning": {
68      "sv": "KTH Fastigheter och byggande",
69      "en": "KTH Real Estate & Construction Managem"
70    },

```

```

71     "Kod": "160",
72     "Organisationsenhetstyp": "INSTITUTION",
73     "Uid": "e8688773-73d6-11e8-8c58-f9aa7f7e4fb6"
74 },
75 {
76     "Benamning": {
77         "sv": "KTH Infrastruktur",
78         "en": "KTH Infrastructure"
79     },
80     "Kod": "165",
81     "Organisationsenhetstyp": "INSTITUTION",
82     "Uid": "e86d908a-73d6-11e8-8c58-f9aa7f7e4fb6"
83 },
84 {
85     "Benamning": {
86         "sv": "Milj\u00f6 och naturresursinformation",
87         "en": "- No translation available -"
88     },
89     "Kod": "170",
90     "Organisationsenhetstyp": "INSTITUTION",
91     "Uid": "e8730dd1-73d6-11e8-8c58-f9aa7f7e4fb6"
92 },
93 {
94     "Benamning": {
95         "sv": "KTH Byggt milj\u00f6",
96         "en": "KTH Built Environment"
97     },
98     "Kod": "180",
99     "Organisationsenhetstyp": "INSTITUTION",
100    "Uid": "e875f408-73d6-11e8-8c58-f9aa7f7e4fb6"
101 },
102 {
103     "Benamning": {
104         "sv": "KTH Universitetsf\u00f6rvaltning/A",
105         "en": "KTH Student's Office/A"
106     },
107     "Kod": "190",
108     "Organisationsenhetstyp": "INSTITUTION",
109     "Uid": "e879014f-73d6-11e8-8c58-f9aa7f7e4fb6"
110 },
111 {
112     "Benamning": {
113         "sv": "KTH Universitetsf\u00f6rvaltning/DEF",
114         "en": "KTH Student's Office/DEF"
115     },
116     "Kod": "200",
117     "Organisationsenhetstyp": "INSTITUTION",
118     "Uid": "e87c83c6-73d6-11e8-8c58-f9aa7f7e4fb6"
119 },
120 {

```

```

121     "Benamning": {
122         "sv": "KTH Alfv\u00e9nlaboratoriet",
123         "en": "KTH Alfv\u00e9n Laboratory"
124     },
125     "Kod": "210",
126     "Organisationsenhetstyp": "INSTITUTION",
127     "Uid": "e880063d-73d6-11e8-8c58-f9aa7f7e4fb6"
128 },
129 {
130     "Benamning": {
131         "sv": "Alfv\u00e9nlaboratoriet, anv ej - nu inst 210",
132         "en": "Dept. of Alfv\u00e9n Laboratory"
133     },
134     "Kod": "2101",
135     "Organisationsenhetstyp": "INSTITUTION",
136     "Uid": "e883d6d4-73d6-11e8-8c58-f9aa7f7e4fb6"
137 },
138 {
139     "Benamning": {
140         "sv": "KTH Mikroelektronik & informat.teknik",
141         "en": "KTH Microelectronics & Inform.Techn"
142     },
143     "Kod": "220",
144     "Organisationsenhetstyp": "INSTITUTION",
145     "Uid": "e8870b2b-73d6-11e8-8c58-f9aa7f7e4fb6"
146 },
147 {
148     "Benamning": {
149         "sv": "KTH Elektrotekniska system",
150         "en": "KTH Electrical Engineering"
151     },
152     "Kod": "230",
153     "Organisationsenhetstyp": "INSTITUTION",
154     "Uid": "e889f162-73d6-11e8-8c58-f9aa7f7e4fb6"
155 },
156 {
157     "Benamning": {
158         "sv": "KTH Numerisk analys o datalogi",
159         "en": "KTH Num Analysis & Computing Science"
160     },
161     "Kod": "240",
162     "Organisationsenhetstyp": "INSTITUTION",
163     "Uid": "e88cd799-73d6-11e8-8c58-f9aa7f7e4fb6"
164 },
165 {
166     "Benamning": {
167         "sv": "KTH Signaler, sensorer och system",
168         "en": "KTH Signals, Sensors and System"
169     },
170     "Kod": "250",

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171     "Organisationsenhetstyp": "INSTITUTION",
172     "Uid": "e88f6fb0-73d6-11e8-8c58-f9aa7f7e4fb6"
173 },
174 {
175     "Benamning": {
176         "sv": "Forskarskola - S3",
177         "en": "Signals, Sensors and Systems"
178     },
179     "Kod": "2502",
180     "Organisationsenhetstyp": "INSTITUTION",
181     "Uid": "e89255e7-73d6-11e8-8c58-f9aa7f7e4fb6"
182 },
183 {
184     "Benamning": {
185         "sv": "KTH Tal, musik och h\u00f6rsel",
186         "en": "KTH Speech, Music and Hearing"
187     },
188     "Kod": "260",
189     "Organisationsenhetstyp": "INSTITUTION",
190     "Uid": "e895632e-73d6-11e8-8c58-f9aa7f7e4fb6"
191 },
192 {
193     "Benamning": {
194         "sv": "KTH Teoretisk elektroteknik",
195         "en": "KTH Electromagnetic Theory"
196     },
197     "Kod": "280",
198     "Organisationsenhetstyp": "INSTITUTION",
199     "Uid": "e8982255-73d6-11e8-8c58-f9aa7f7e4fb6"
200 },
201 {
202     "Benamning": {
203         "sv": "KTH Data- och systemvetenskap",
204         "en": "KTH Computer and Systems Sciences"
205     },
206     "Kod": "290",
207     "Organisationsenhetstyp": "INSTITUTION",
208     "Uid": "e89ae17c-73d6-11e8-8c58-f9aa7f7e4fb6"
209 },
210 {
211     "Benamning": {
212         "sv": "KTH Universitetsf\u00f6rvaltning/KKB",
213         "en": "KTH Student's Office/KKB"
214     },
215     "Kod": "300",
216     "Organisationsenhetstyp": "INSTITUTION",
217     "Uid": "e89dc7b3-73d6-11e8-8c58-f9aa7f7e4fb6"
218 },
219 {
220     "Benamning": {

```

```

221     "sv": "KTH Bioteknologi",
222     "en": "KTH Biotechnology"
223 },
224 "Kod": "310",
225 "Organisationsenhetstyp": "INSTITUTION",
226 "Uid": "e8a1231a-73d6-11e8-8c58-f9aa7f7e4fb6"
227 },
228 {
229     "Benamning": {
230         "sv": "KTH Kemi",
231         "en": "KTH Chemistry"
232     },
233     "Kod": "320",
234     "Organisationsenhetstyp": "INSTITUTION",
235     "Uid": "e8a3e241-73d6-11e8-8c58-f9aa7f7e4fb6"
236 },
237 {
238     "Benamning": {
239         "sv": "KTH Kemiteknik",
240         "en": "KTH Chemical Eng. and Technology"
241     },
242     "Kod": "330",
243     "Organisationsenhetstyp": "INSTITUTION",
244     "Uid": "e8a6c878-73d6-11e8-8c58-f9aa7f7e4fb6"
245 },
246 {
247     "Benamning": {
248         "sv": "KTH Fiber- och polymerteknologi",
249         "en": "KTH Fiber and Polymer Technology"
250     },
251     "Kod": "350",
252     "Organisationsenhetstyp": "INSTITUTION",
253     "Uid": "e8a9d5bf-73d6-11e8-8c58-f9aa7f7e4fb6"
254 },
255 {
256     "Benamning": {
257         "sv": "KTH Universitetsf\u00f6rvaltning/MMT",
258         "en": "KTH Student's Office/MMT"
259     },
260     "Kod": "400",
261     "Organisationsenhetstyp": "INSTITUTION",
262     "Uid": "e8ad0a16-73d6-11e8-8c58-f9aa7f7e4fb6"
263 },
264 {
265     "Benamning": {
266         "sv": "KTH Energiteknik",
267         "en": "KTH Energy Technology"
268     },
269     "Kod": "410",
270     "Organisationsenhetstyp": "INSTITUTION",

```



```

271     "Uid": "e8aff04d-73d6-11e8-8c58-f9aa7f7e4fb6"
272 },
273 {
274     "Benamning": {
275         "sv": "KTH Farkost och flyg",
276         "en": "KTH Aeronautical and Vehicle Eng."
277     },
278     "Kod": "420",
279     "Organisationsenhetstyp": "INSTITUTION",
280     "Uid": "e8b2af74-73d6-11e8-8c58-f9aa7f7e4fb6"
281 },
282 {
283     "Benamning": {
284         "sv": "KTH H\u00e5llfasthetssl\u00e4ra",
285         "en": "KTH Solid Mechanics"
286     },
287     "Kod": "430",
288     "Organisationsenhetstyp": "INSTITUTION",
289     "Uid": "e8b5207b-73d6-11e8-8c58-f9aa7f7e4fb6"
290 },
291 {
292     "Benamning": {
293         "sv": "KTH Industriell ekonomi och organisation",
294         "en": "KTH Industrial Economics & Management"
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3003         "en": "EECS/Micro and Nanosystems"
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3048         "en": "EECS/Robotics, Perception and Learning"
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3093     "en": "CHE/Chemical Science and Engineering"
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3129         "en": "CHE/Chemical Technology"
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3138         "en": "CHE/Fibre and Polymer Technology"
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3183             "en": "ECE/School of Education and Communication"
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3381         "en": "ITM/SKD GRU"
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3428     "Kod": "MI",
3429     "Organisationsenhetstyp": "INSTITUTION",
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3435         "en": "ITM/Energy Technology"
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3453         "en": "ITM/Applied Thermodynamics and Refrigeration"
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3455     "Kod": "MJEB",
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3480         "en": "ITM/ saknas"
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3516         "en": "ITM/Learning in Engineering Sciences"
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4081     "Benamning": {
4082         "sv": "Universitetsf\u00f6rvaltningen/Stiftelse- och EK f\u00f6rvaltning",
4083         "en": "University Administration"
4084     },
4085     "Kod": "VDB",
4086     "Organisationsenhetstyp": "INSTITUTION",
4087     "Uid": "ec66dd9e-73d6-11e8-8c58-f9aa7f7e4fb6"
4088 },
4089 {
4090     "Benamning": {
4091         "sv": "Universitetsf\u00f6rvaltningen/avd f\u00f6r dokumenthantering",
4092         "en": "University Administration"
4093     },
4094     "Kod": "VDC",
4095     "Organisationsenhetstyp": "INSTITUTION",
4096     "Uid": "ec69eae5-73d6-11e8-8c58-f9aa7f7e4fb6"
4097 },
4098 {
4099     "Benamning": {
4100         "sv": "KTH/Universitetsf\u00f6rvaltningen/VoS",
4101         "en": "KTH/University Administration, Sweden"
4102     },
4103     "Kod": "VDDA",
4104     "Organisationsenhetstyp": "INSTITUTION",
4105     "Uid": "ec6fb753-73d6-11e8-8c58-f9aa7f7e4fb6"
4106 },
4107 {
4108     "Benamning": {
4109         "sv": "KTH/Universitetsf\u00f6rvaltningen/Personalavdelningen",
4110         "en": "KTH University Administration"
4111     },
4112     "Kod": "VDDH",
4113     "Organisationsenhetstyp": "INSTITUTION",
4114     "Uid": "ec729d8a-73d6-11e8-8c58-f9aa7f7e4fb6"
4115 },
4116 {
4117     "Benamning": {
4118         "sv": "Universitetsf\u00f6rvaltningen/Kommunikationsavdelningen (KOM)",
4119         "en": "University Administration"
4120     },

```

```

4121     "Kod": "VDE",
4122     "Organisationsenhetstyp": "INSTITUTION",
4123     "Uid": "ec7583c1-73d6-11e8-8c58-f9aa7f7e4fb6"
4124 },
4125 {
4126     "Benamning": {
4127         "sv": "Universitetsf\u00f6rvaltningen/Fakultetens kansli",
4128         "en": "University Administration"
4129     },
4130     "Kod": "VDG",
4131     "Organisationsenhetstyp": "INSTITUTION",
4132     "Uid": "ec78b818-73d6-11e8-8c58-f9aa7f7e4fb6"
4133 },
4134 {
4135     "Benamning": {
4136         "sv": "KTH/Universitetsf\u00f6rvaltningen/Avdelningen f\u00f6r studentservice",
4137         "en": "KTH/University Administration"
4138     },
4139     "Kod": "VDH",
4140     "Organisationsenhetstyp": "INSTITUTION",
4141     "Uid": "ec7c137f-73d6-11e8-8c58-f9aa7f7e4fb6"
4142 },
4143 {
4144     "Benamning": {
4145         "sv": "Universitetsf\u00f6rvaltningen/Enheten f\u00f6r externa relationer",
4146         "en": "University Administration"
4147     },
4148     "Kod": "VDI",
4149     "Organisationsenhetstyp": "INSTITUTION",
4150     "Uid": "ec7f47d6-73d6-11e8-8c58-f9aa7f7e4fb6"
4151 },
4152 {
4153     "Benamning": {
4154         "sv": "KTH/Universitetsf\u00f6rvaltningen/Juridiska avdelningen",
4155         "en": "KTH/University Administration/Legal Department"
4156     },
4157     "Kod": "VDJ",
4158     "Organisationsenhetstyp": "INSTITUTION",
4159     "Uid": "ec82a33d-73d6-11e8-8c58-f9aa7f7e4fb6"
4160 },
4161 {
4162     "Benamning": {
4163         "sv": "Universitetsf\u00f6rvaltningen/IR0 - Internationella relationer",
4164         "en": "University Administration"
4165     },
4166     "Kod": "VDK",
4167     "Organisationsenhetstyp": "INSTITUTION",
4168     "Uid": "ec853b54-73d6-11e8-8c58-f9aa7f7e4fb6"
4169 },
4170 {

```

```

4171     "Benamning": {
4172         "sv": "KTH/Universitetsf\u00f6rvaltningen/Lokalserviceavdelningen",
4173         "en": "KTH/University Administration"
4174     },
4175     "Kod": "VDO",
4176     "Organisationsenhetstyp": "INSTITUTION",
4177     "Uid": "ec895a0b-73d6-11e8-8c58-f9aa7f7e4fb6"
4178 },
4179 {
4180     "Benamning": {
4181         "sv": "Universitetsf\u00f6rvaltningen/IT-enheten",
4182         "en": "University Administration"
4183     },
4184     "Kod": "VDP",
4185     "Organisationsenhetstyp": "INSTITUTION",
4186     "Uid": "ec8c1932-73d6-11e8-8c58-f9aa7f7e4fb6"
4187 },
4188 {
4189     "Benamning": {
4190         "sv": "Universitetsf\u00f6rvaltningen/KTH N\u00e4ringslivssamverkan",
4191         "en": "- No translation available -"
4192     },
4193     "Kod": "VDU",
4194     "Organisationsenhetstyp": "INSTITUTION",
4195     "Uid": "ec8f4d89-73d6-11e8-8c58-f9aa7f7e4fb6"
4196 },
4197 {
4198     "Benamning": {
4199         "sv": "KTH/Universitetsf\u00f6rvaltningen/AUA",
4200         "en": "KTH University Administration"
4201     },
4202     "Kod": "VDV",
4203     "Organisationsenhetstyp": "INSTITUTION",
4204     "Uid": "ec6cd11c-73d6-11e8-8c58-f9aa7f7e4fb6"
4205 },
4206 {
4207     "Benamning": {
4208         "sv": "KTH/Universitetsf\u00f6rvaltningen/AUA/Antagningsgruppen",
4209         "en": "KTH Admissions Office"
4210     },
4211     "Kod": "VDVA",
4212     "Organisationsenhetstyp": "INSTITUTION",
4213     "Uid": "ec92a8f0-73d6-11e8-8c58-f9aa7f7e4fb6"
4214 },
4215 {
4216     "Benamning": {
4217         "sv": "KTH/Universitetsf\u00f6rvaltningen/AUA/Examensgruppen",
4218         "en": "KTH Degree Administration Office"
4219     },
4220     "Kod": "VDVB",

```

```

4221     "Organisationsenhetstyp": "INSTITUTION",
4222     "Uid": "ec95b637-73d6-11e8-8c58-f9aa7f7e4fb6"
4223 },
4224 {
4225     "Benamning": {
4226         "sv": "KTH/Universitetsf\u00f6rvaltningen/AUA/VoS",
4227         "en": "KTH University Administration"
4228     },
4229     "Kod": "VDVC",
4230     "Organisationsenhetstyp": "INSTITUTION",
4231     "Uid": "ec99119e-73d6-11e8-8c58-f9aa7f7e4fb6"
4232 }
4233 ]
4234 }

```

### 20.3 larosatesinformation\_JSON

729a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def larosatesinformation_JSON(self):
    """
    Returns a dictionary of the university or college information.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/larosatesinformation',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

729b *<test functions 99b>+≡*

```

def test_larosatesinformation_JSON():
    r = ladok.larosatesinformation_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2    "Larosatesinformation": [
3      {
4        "Benamning": {
5          "sv": "Kungliga Tekniska h\u00f6gskolan",
6          "en": "KTH Royal Institute of Technology"
7        },
8        "Beskrivning": {},
9        "Dolt": false,
10       "ExtraAttribut": [],
11       "Giltighetsperiod": {},
12       "ID": "29",
13       "Kod": "KTH",

```



```

14     "LankTillWebbplats": {
15         "Url": "https://www.kth.se/"
16     },
17     "LankTillWebbplatsEngelskSida": {
18         "Url": "https://www.kth.se/en"
19     },
20     "LarosateID": 29,
21     "OrtID": 18,
22     "Postadress": {
23         "Postnummer": "12345",
24         "Postort": "Byn"
25     },
26     "Telefonnummer": "0701234567"
27 }
28 ]
29 }

```

## 20.4 undervisningssprak\_JSON

730a *<LadokSession data methods 95c>+≡*

```

# added by GQMJr
def undervisningssprak_JSON(self):
    """
    Returns a dictionary of teaching languages.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/undervisningssprak',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

730b *<test functions 99b>+≡*

```

def test_undervisningssprak_JSON():
    r = ladok.undervisningssprak_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1 {
2     "Undervisningssprak": [
3         {
4             "Benamning": {
5                 "sv": "Engelska",
6                 "en": "English"
7             },
8             "Beskrivning": {},
9             "Dolt": false,
10            "Giltighetsperiod": {},
11            "ID": "2",

```

```
12     "Kod": "ENG",
13     "LarosateID": -1
14 },
15 {
16     "Benamning": {
17         "sv": "Ryska",
18         "en": "Russian"
19     },
20     "Beskrivning": {},
21     "Dolt": true,
22     "Giltighetsperiod": {},
23     "ID": "4",
24     "Kod": "RUS",
25     "LarosateID": -1
26 },
27 {
28     "Benamning": {
29         "sv": "Teckenspr\u00e5k",
30         "en": "Sign Language"
31     },
32     "Beskrivning": {},
33     "Dolt": true,
34     "Giltighetsperiod": {},
35     "ID": "5",
36     "Kod": "SGN",
37     "LarosateID": -1
38 },
39 {
40     "Benamning": {
41         "sv": "Spanska",
42         "en": "Spanish"
43     },
44     "Beskrivning": {},
45     "Dolt": true,
46     "Giltighetsperiod": {},
47     "ID": "3",
48     "Kod": "SPA",
49     "LarosateID": -1
50 },
51 {
52     "Benamning": {
53         "sv": "Svenska",
54         "en": "Swedish"
55     },
56     "Beskrivning": {},
57     "Dolt": false,
58     "Giltighetsperiod": {},
59     "ID": "1",
60     "Kod": "SWE",
61     "LarosateID": -1
```

```
62     },
63     {
64         "Benamning": {
65             "sv": "Danska",
66             "en": "Danish"
67         },
68         "Beskrivning": {},
69         "Dolt": true,
70         "Giltighetsperiod": {},
71         "ID": "109804",
72         "Kod": "DAN",
73         "LarosateID": -1
74     },
75     {
76         "Benamning": {
77             "sv": "Finska",
78             "en": "Finnish"
79         },
80         "Beskrivning": {},
81         "Dolt": true,
82         "Giltighetsperiod": {},
83         "ID": "109805",
84         "Kod": "FIN",
85         "LarosateID": -1
86     },
87     {
88         "Benamning": {
89             "sv": "Italienska",
90             "en": "Italian"
91         },
92         "Beskrivning": {},
93         "Dolt": true,
94         "Giltighetsperiod": {},
95         "ID": "109806",
96         "Kod": "ITA",
97         "LarosateID": -1
98     },
99     {
100         "Benamning": {
101             "sv": "Japanska",
102             "en": "Japanese"
103         },
104         "Beskrivning": {},
105         "Dolt": true,
106         "Giltighetsperiod": {},
107         "ID": "109807",
108         "Kod": "JPN",
109         "LarosateID": -1
110     },
111     {
```

```
112     "Benamning": {
113       "sv": "Norska",
114       "en": "Norwegian"
115     },
116     "Beskrivning": {},
117     "Dolt": true,
118     "Giltighetsperiod": {},
119     "ID": "109808",
120     "Kod": "NOR",
121     "LarosateID": -1
122   },
123   {
124     "Benamning": {
125       "sv": "Portugisiska",
126       "en": "Portugese"
127     },
128     "Beskrivning": {},
129     "Dolt": true,
130     "Giltighetsperiod": {},
131     "ID": "109809",
132     "Kod": "POR",
133     "LarosateID": -1
134   },
135   {
136     "Benamning": {
137       "sv": "Tyska",
138       "en": "German"
139     },
140     "Beskrivning": {},
141     "Dolt": true,
142     "Giltighetsperiod": {},
143     "ID": "109811",
144     "Kod": "GER",
145     "LarosateID": -1
146   },
147   {
148     "Benamning": {
149       "sv": "Arabiska",
150       "en": "Arabic"
151     },
152     "Beskrivning": {},
153     "Dolt": true,
154     "Giltighetsperiod": {},
155     "ID": "111032",
156     "Kod": "ARA",
157     "LarosateID": -1
158   },
159   {
160     "Benamning": {
161       "sv": "Kinesiska",
```

```

162     "en": "Chinese"
163 },
164 "Beskrivning": {},
165 "Dolt": true,
166 "Giltighetsperiod": {},
167 "ID": "111033",
168 "Kod": "CHI",
169 "LarosateID": -1
170 },
171 {
172   "Benamning": {
173     "sv": "Kurdiska",
174     "en": "Kurdish"
175   },
176   "Beskrivning": {},
177   "Dolt": true,
178   "Giltighetsperiod": {},
179   "ID": "150757",
180   "Kod": "KUR",
181   "LarosateID": -1
182 },
183 {
184   "Benamning": {
185     "sv": "Flerspr\u00e5kig undervisning",
186     "en": "Multiple languages"
187   },
188   "Beskrivning": {},
189   "Dolt": true,
190   "Giltighetsperiod": {},
191   "ID": "150758",
192   "Kod": "MUL",
193   "LarosateID": -1
194 },
195 {
196   "Benamning": {
197     "sv": "Turkiska",
198     "en": "Turkish"
199   },
200   "Beskrivning": {},
201   "Dolt": true,
202   "Giltighetsperiod": {},
203   "ID": "150759",
204   "Kod": "TUR",
205   "LarosateID": -1
206 },
207 {
208   "Benamning": {
209     "sv": "Persiska",
210     "en": "Persian"
211   },

```

```
212     "Beskrivning": {},
213     "Dolt": true,
214     "Giltighetsperiod": {},
215     "ID": "150907",
216     "Kod": "PER",
217     "LarosateID": -1
218 },
219 {
220     "Benamning": {
221         "sv": "Isl\u00e4ndska",
222         "en": "Icelandic"
223     },
224     "Beskrivning": {},
225     "Dolt": true,
226     "Giltighetsperiod": {},
227     "ID": "151538",
228     "Kod": "ISL",
229     "LarosateID": -1
230 },
231 {
232     "Benamning": {
233         "sv": "Me\u00e4nskieli",
234         "en": "Me\u00e4nskieli"
235     },
236     "Beskrivning": {},
237     "Dolt": true,
238     "Giltighetsperiod": {},
239     "ID": "151967",
240     "Kod": "FIT",
241     "LarosateID": -1
242 },
243 {
244     "Benamning": {
245         "sv": "Samiska",
246         "en": "Sami"
247     },
248     "Beskrivning": {},
249     "Dolt": true,
250     "Giltighetsperiod": {},
251     "ID": "151968",
252     "Kod": "SMI",
253     "LarosateID": -1
254 },
255 {
256     "Benamning": {
257         "sv": "Polska",
258         "en": "Polish"
259     },
260     "Beskrivning": {},
261     "Dolt": true,
```

```

262     "Giltighetsperiod": {},
263     "ID": "152516",
264     "Kod": "POL",
265     "LarosateID": -1
266 },
267 {
268     "Benamning": {
269         "sv": "Rum\u00e4nska",
270         "en": "Romanian"
271     },
272     "Beskrivning": {},
273     "Dolt": true,
274     "Giltighetsperiod": {},
275     "ID": "159549",
276     "Kod": "RUM",
277     "LarosateID": -1
278 },
279 {
280     "Benamning": {
281         "sv": "Jiddisch",
282         "en": "Yiddish"
283     },
284     "Beskrivning": {},
285     "Dolt": true,
286     "Giltighetsperiod": {},
287     "ID": "160526",
288     "Kod": "YID",
289     "LarosateID": -1
290 },
291 {
292     "Benamning": {
293         "sv": "Grekiska (modern)",
294         "en": "Greek (modern)"
295     },
296     "Beskrivning": {},
297     "Dolt": true,
298     "Giltighetsperiod": {},
299     "ID": "160825",
300     "Kod": "ELL",
301     "LarosateID": -1
302 },
303 {
304     "Benamning": {
305         "sv": "Nederl\u00e4ndska",
306         "en": "Dutch"
307     },
308     "Beskrivning": {},
309     "Dolt": true,
310     "Giltighetsperiod": {},
311     "ID": "161660",

```

```
312     "Kod": "NLD",
313     "LarosateID": -1
314 },
315 {
316     "Benamning": {
317         "sv": "Tjeckiska",
318         "en": "Czech"
319     },
320     "Beskrivning": {},
321     "Dolt": true,
322     "Giltighetsperiod": {},
323     "ID": "161671",
324     "Kod": "CES",
325     "LarosateID": -1
326 },
327 {
328     "Benamning": {
329         "sv": "Lettiska",
330         "en": "Latvian"
331     },
332     "Beskrivning": {},
333     "Dolt": true,
334     "Giltighetsperiod": {},
335     "ID": "161672",
336     "Kod": "LAT",
337     "LarosateID": -1
338 },
339 {
340     "Benamning": {
341         "sv": "Ukrainska",
342         "en": "Ukrainian"
343     },
344     "Beskrivning": {},
345     "Dolt": true,
346     "Giltighetsperiod": {},
347     "ID": "161674",
348     "Kod": "UKR",
349     "LarosateID": -1
350 },
351 {
352     "Benamning": {
353         "sv": "Franska",
354         "en": "French"
355     },
356     "Beskrivning": {},
357     "Dolt": true,
358     "Giltighetsperiod": {},
359     "ID": "109810",
360     "Kod": "FRE",
361     "LarosateID": -1
```



```

362     },
363     {
364         "Benamning": {
365             "sv": "Litauiska",
366             "en": "Lithuanian"
367         },
368         "Beskrivning": {},
369         "Dolt": true,
370         "Giltighetsperiod": {},
371         "ID": "161673",
372         "Kod": "LIT",
373         "LarosateID": -1
374     }
375 ]
376 }

```

## 20.5 i18n\_translation\_JSON

738a *<LadokSession data methods 95c>+≡*

# added by GQMJr

```
def i18n_translation_JSON(self, lang = 'sv'):
    """
```

Returns a dictionary of i18n translations used in Ladok3.  
"""

```

    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/i18n/oversattningar/sprakkod/' + lang,
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

738b *<test functions 99b>+≡*

```
def test_i18n_translation_JSON():
    r = ladok.i18n_translation_JSON()
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Oversattningar": [
3      {
4          "I18nNyckel": "kataloginformation.grunddatakategori.omradesbehoriget",
5          "Text": "0mr\u00e5desbeh\u00f6righet"
6      },
7      {
8          "I18nNyckel": "commons.fel.detaljkod.utbildningsinformationsstruktur",
9          "Text": "Struktur"
10     },
11     {
12         "I18nNyckel": "systemaktivitet.bevakning.lasa",

```

```

13     "Text": "Bevakning: L\u00e4s grundinformation"
14 },
15 {
16     "I18nNyckel": "dokumenthantering.fel.detaljkod.dokumentkonfiguration",
17     "Text": "Dokumentkonfiguration"
18 },
19 {
20     "I18nNyckel": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
21     "Text": "\u00c5tg\u00e4rd n\u00e4r studieperiod \u00f6verskrider terminsgr\u00e4ns"
22 },
23 {
24     "I18nNyckel": "kataloginformation.grunddatakategori.lan.beskrivning",
25     "Text": "Regionalt f\u00f6rvaltningsomr\u00e5de, administrativ och geografisk indelning av Sverige."
26 },
27 {
28     "I18nNyckel": "systemaktivitet.sok.kursinstans.student",
29     "Text": "Student-Resultat: S\u00f6ka kurser i tillgodor\u00e4knandeans\u00f6kan (kompletterande)"
30 },
31 {
32     "I18nNyckel": "systemaktivitet.studentinformation.nationell.sokning.pa.student",
33     "Text": "Studentinformation: S\u00f6ka student i hela Ladok - nationell r\u00e4ttighetsniv\u00e5"
34 },
35 {
36     "I18nNyckel": "commons.domain.resultat",
37     "Text": "Resultat"
38 },
39 {
40     "I18nNyckel": "systemaktivitet.uppfoljning.population.student.sok",
41     "Text": "Utdata: S\u00f6ka ut population"
42 },
43 {
44     "I18nNyckel": "systemaktivitet.studiedeltagande.forbereda_tillfalllesbyte.student",
45     "Text": "Student-Studiedeltagande: F\u00f6rbered tillf\u00e4llesbyte"
46 },
47 {
48     "I18nNyckel": "kataloginformation.fel.detaljkod.lokaltext",
49     "Text": "Lokal text"
50 },
51 {
52     "I18nNyckel": "systemaktivitet.resultat.bereda_avslag_studentarende",
53     "Text": "Tillgodor\u00e4knande: Bereda avslag"
54 },
55 {
56     "I18nNyckel": "arendestod.fel.detaljkod.fordelningsfilter",
57     "Text": "F\u00f6rdelningsfilter"
58 },
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60     "I18nNyckel": "kataloginformation.fel.detaljkod.bestalld_tidpunkt",
61     "Text": "Best\u00e4lld tidpunkt"
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63     {
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65         "Text": "Grunddatav\u00e4rde som kan anv\u00e4ndas av l\u00e4ros\u00e4tets lokala attribut f\u00f6r
66     },
67     {
68         "I18nNyckel": "systemaktivitet.examen.hantera.nationell.bevisinformation",
69         "Text": "Bevis: Hantera nationell bevisinformation"
70     },
71     {
72         "I18nNyckel": "commons.fel.detaljkod.utlandsk.ort",
73         "Text": "Utl\u00e4ndsk ort"
74     },
75     {
76         "I18nNyckel": "systemaktivitet.resultat.tabort.attesterat_resultat",
77         "Text": "Resultat: Ta bort attesterat resultat"
78     },
79     {
80         "I18nNyckel": "commons.domain.utbildningsgrundtyp.annatresultat",
81         "Text": "Annat resultat"
82     },
83     {
84         "I18nNyckel": "commons.domain.regel.ar_kurspaket",
85         "Text": "\u00c4r kurspaket"
86     },
87     {
88         "I18nNyckel": "commons.fel.kategori.persistensfel",
89         "Text": "Datalagringsfel"
90     },
91     {
92         "I18nNyckel": "systemaktivitet.resultat.handlagga_tillgodoraknande",
93         "Text": "Tillgodor\u00e4knande: Bereda tillgodor\u00e4knande f\u00f6r del av kurs inkl. klarmarkera"
94     },
95     {
96         "I18nNyckel": "systemaktivitet.common.intern.lasning.av.feed",
97         "Text": "Common: L\u00e4ser feeds internt"
98     },
99     {
100        "I18nNyckel": "systemaktivitet.resultat.aktivitetstillfalle.se_anonym_student.student",
101        "Text": "Student-Resultat: Se student med anonymkod"
102    },
103    {
104        "I18nNyckel": "commons.domain.anvandarnamn",
105        "Text": "Anv\u00e4ndarnamn (EPPN)"
106    },
107    {
108        "I18nNyckel": "commons.fel.detaljkod.autentisering_return_uri",
109        "Text": "URI f\u00f6r att slutf\u00f6ra \u005tg\u00e4rd som kr\u00e4ver autentisering"
110    },
111    {
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113     "Text": "Allm\u00e4n ta bort notering i \u00e4rende"
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117     "Text": "Allm\u00e4n ta bort notering i \u00e4rende tillagd av annan anv\u00e4ndare"
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121     "Text": "Allm\u00e4n \u00e4ndra \u00e4rende"
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123 {
124     "I18nNyckel": "systemaktivitet.examen.hamta.utfardade_bevis.borttagna",
125     "Text": "Bevis: L\u00e4sa borttagna bevis"
126 },
127 {
128     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildning.administrera.i.status.komplett",
129     "Text": "Utbildningsinformation: Hantera utbildning i status komplett"
130 },
131 {
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133     "Text": "H\u00f6gskolan Kristianstad"
134 },
135 {
136     "I18nNyckel": "systemfunktion.id.100006",
137     "Text": "Allm\u00e4n l\u00e4gga till notering i \u00e4rende"
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140     "I18nNyckel": "systemfunktion.id.100009",
141     "Text": "Allm\u00e4n l\u00e4gga till bilaga i \u00e4rende"
142 },
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145     "Text": "Konfiguration av autentisering"
146 },
147 {
148     "I18nNyckel": "systemaktivitet.studentinformation.nationell.sokning.pa.student.lokal",
149     "Text": "Studentinformation: S\u00f6ka student i hela Ladok - lokal r\u00e4ttighetsniv\u00e5"
150 },
151 {
152     "I18nNyckel": "systemaktivitet.examen.bevisansokan.av.student.student",
153     "Text": "Student-Bevis: Bevisans\u00f6kan av student"
154 },
155 {
156     "I18nNyckel": "systemfunktion.id.100003",
157     "Text": "Allm\u00e4n tilldela \u00e4rende"
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160     "I18nNyckel": "systemfunktion.id.100004",
161     "Text": "Allm\u00e4n p\u00e5b\u00e4rja behandling av \u00e4rende"
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163     {
164         "I18nNyckel": "kataloginformation.grunddatakategori.definitionavantagningsomgang.beskrivning",
165         "Text": "F\u00f6rdefinierad omg\u00e5ng f\u00f6r sammanh\u00e5llen hantering av anm\u00e4lningar till",
166     },
167     {
168         "I18nNyckel": "systemfunktion.id.100001",
169         "Text": "Allm\u00e4n l\u00e5s \u00e4rendest\u00f6d"
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171     {
172         "I18nNyckel": "systemfunktion.id.100002",
173         "Text": "Allm\u00e4n skapa \u00e4rende"
174     },
175     {
176         "I18nNyckel": "systemaktivitet.common.lasa_handelsefel",
177         "Text": "H\u00e4ndelser: L\u00e5s h\u00e4ndelsefel"
178     },
179     {
180         "I18nNyckel": "commons.domain.enhet.khppoang",
181         "Text": "Konverterade h\u00f6gskolepo\u00e4ng"
182     },
183     {
184         "I18nNyckel": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
185         "Text": "Ing\u00e5r i grupp: \u00d6verf\u0068rs till NyA"
186     },
187     {
188         "I18nNyckel": "commons.domain.utbildningstyp.kurspaket",
189         "Text": "Kurspaket"
190     },
191     {
192         "I18nNyckel": "systemaktivitet.studiedeltagande.ta_bort_registrering_efter_studieperiodens_slut",
193         "Text": "Studiedeltagande: Ta bort registrering efter studieperiodens slut (kompletterande)"
194     },
195     {
196         "I18nNyckel": "systemaktivitet.examen.administrera.installningar.for.dokument",
197         "Text": "Bevis: Hantera inst\u00e4llningar f\u00f6r dokument"
198     },
199     {
200         "I18nNyckel": "systemaktivitet.uppfoljning.publicering.egen.utsokning",
201         "Text": "Uppf\u00f6ljning: Publicera egen uts\u00f6kning"
202     },
203     {
204         "I18nNyckel": "commons.domain.datatyp",
205         "Text": "Datatyp"
206     },
207     {
208         "I18nNyckel": "commons.domain.regel.informationsbehorighet.utbytesstudier",
209         "Text": "Ing\u00e5r i grupp: Informationsbeh\u00f6righet - Utbytesstudier"
210     },
211     {
212         "I18nNyckel": "systemaktivitet.studentinformation.administrera.students.leveranspreferenser",

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213     "Text": "Studentinformation: Administrera students leveranspreferenser"
214 },
215 {
216     "I18nNyckel": "commons.domain.regel.versionshanteras",
217     "Text": "Versionshanteras"
218 },
219 {
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221     "Text": "Utbildningsinformation: Hantera flera tillf\u00e4llen - S\u00e4tt status till p\u00e5\u00f6rskott"
222 },
223 {
224     "I18nNyckel": "commons.domain.larosate.uu",
225     "Text": "Uppsala universitet"
226 },
227 {
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229     "Text": "Bevis: \u00c4ndra students namn vid utf\u00f6rande av bevis"
230 },
231 {
232     "I18nNyckel": "commons.fel.detaljkod.procent",
233     "Text": "Procent"
234 },
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236     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildningsmall.skriv.nationell",
237     "Text": "Utbildningsinformation: Hantera nationell utbildningsmall"
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239 {
240     "I18nNyckel": "systemfunktion.id.100010",
241     "Text": "Allm\u00e4n l\u00e4sa bilaga i \u00f6rskott"
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245     "Text": "Allm\u00e4n ta bort bilaga i \u00f6rskott"
246 },
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249     "Text": "L\u00e4sbara objekt: L\u00e4sbara objekt"
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253     "Text": "Studiedeltagande: F\u00f6rbered tillf\u00e4llesbyte"
254 },
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256     "I18nNyckel": "systemfunktion.id.100014",
257     "Text": "Allm\u00e4n \u00e5ter\u00f6ppna \u00f6rskott"
258 },
259 {
260     "I18nNyckel": "systemaktivitet.resultat.administrera.attesteringsrattigheter",
261     "Text": "Resultat: Hantera attesteringsr\u00f6ttigheter"
262 },

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265         "Text": "Autentiseringsregler"
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267     {
268         "I18nNyckel": "systemfunktion.id.100012",
269         "Text": "Allm\u00e4n ta bort bilaga i \u00e4rende tillagd av anna\u00c4rendeUtdataProjektionRepository"
270     },
271     {
272         "I18nNyckel": "commons.domain.larosate.hhs",
273         "Text": "Handelsh\u00f6gskolan i Stockholm"
274     },
275     {
276         "I18nNyckel": "systemfunktion.id.100013",
277         "Text": "Allm\u00e4n avsluta \u00e4rende"
278     },
279     {
280         "I18nNyckel": "systemaktivitet.examen.utfarda.bevis.for.skyddad.student",
281         "Text": "Bevis: Hantera bevis f\u00f6r student med skyddade personuppgifter"
282     },
283     {
284         "I18nNyckel": "systemaktivitet.studiedeltagande.tillat_forvantat_deltagande_trots_avskiljande",
285         "Text": "Studiedeltagande: L\u00e4gg till f\u00f6rv\u00e4ntat deltagande f\u00f6r partiellt avskild"
286     },
287     {
288         "I18nNyckel": "systemaktivitet.utbildningsinformation.anvanda_befintligt_tillfalle_som_forlaga",
289         "Text": "Utbildningsinformation: Till\u00e4tt befintligt tillf\u00e4lle som f\u00f6rlaga f\u00f6r nyt"
290     },
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292         "I18nNyckel": "extintegration.arende.antagningsarende",
293         "Text": "Antagnings\u00e4rende"
294     },
295     {
296         "I18nNyckel": "systemaktivitet.extintegration.skapa.registreringsintyg.student",
297         "Text": "Student-Intyg: Skapa registreringsintyg"
298     },
299     {
300         "I18nNyckel": "commons.domain.larosate.hig",
301         "Text": "H\u00f6gskolan i G\u00e4vle"
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303     {
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305         "Text": "Beviskategori"
306     },
307     {
308         "I18nNyckel": "systemaktivitet.studentinformation.ta.bort.student",
309         "Text": "Studentinformation: Ta bort student utan kopplingar till l\u00e4ros\u00e4ten"
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313     "Text": "Beh\u00f6righetshantering: Exportera beh\u00f6righetsprofiler"
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317     "Text": "Period"
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321     "Text": "Aktivitet"
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324     "I18nNyckel": "systemfunktion.id.100021",
325     "Text": "Ta bort \u00e4rendekorg"
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328     "I18nNyckel": "systemfunktion.id.100022",
329     "Text": "Allm\u00e4n skapa meddelande i \u00e4rende"
330 },
331 {
332     "I18nNyckel": "systemfunktion.id.100020",
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334 },
335 {
336     "I18nNyckel": "commons.domain.utbildningstyp.utbytesavtal",
337     "Text": "Utbytesavtal"
338 },
339 {
340     "I18nNyckel": "systemaktivitet.studiedeltagande.tillat_registrering_omregistrering_vid_avklarad_kurs",
341     "Text": "Studiedeltagande: Registrera i efterhand p\u00e5 avklarad kurs (kompletterande)"
342 },
343 {
344     "I18nNyckel": "commons.domain.utbildningstillfalleskod",
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346 },
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349     "Text": "Ta bort skapa meddelande i \u00e4rende"
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352     "I18nNyckel": "commons.domain.anvandarinformation",
353     "Text": "Anv\u00e4ndarinformation"
354 },
355 {
356     "I18nNyckel": "kataloginformation.grunddatakategori.amnesgrupp.beskrivning",
357     "Text": "Av SCB utarbetad gruppering av kurser. Anv\u00e4nds f\u00f6r statistiska \u00e4ndam\u00e5l"
358 },
359 {
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361     "Text": "S\u00f6dert\u00f6rns h\u00f6gskola"
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366     },
367     {
368         "I18nNyckel": "systemaktivitet.studentinformation.dokumentera.identitetsuppgifter",
369         "Text": "Studentinformation: Hantera identitetsuppgifter"
370     },
371     {
372         "I18nNyckel": "systemaktivitet.processhantering.nationell_administration",
373         "Text": "Processt\u00f6d: Nationell administration"
374     },
375     {
376         "I18nNyckel": "systemaktivitet.kataloginformation.behorighet.agera.ombud.for.student",
377         "Text": "Beh\u00f6righetshandling: Agera ombud f\u00f6r student"
378     },
379     {
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381         "Text": "Individuell studieplan: Ange som Avklarad"
382     },
383     {
384         "I18nNyckel": "kataloginformation.datadimension.organisation",
385         "Text": "Organisation"
386     },
387     {
388         "I18nNyckel": "systemaktivitet.studiedeltagande.genomfor_aterbud",
389         "Text": "Studiedeltagande: Hantera \u00e5terbud"
390     },
391     {
392         "I18nNyckel": "systemaktivitet.studiedeltagande.las.grupper",
393         "Text": "Studiedeltagande: L\u00e5s grupper"
394     },
395     {
396         "I18nNyckel": "systemaktivitet.studiedeltagande.informationsbehorighet.polisutbildning",
397         "Text": "Studiedeltagande: Informationsbeh\u00f6righet - Polisutbildning"
398     },
399     {
400         "I18nNyckel": "sw.aktivt",
401         "Text": "Ladok f\u00f6r studenter: Aktivt p\u00e5 l\u00e4ros\u00e4tt"
402     },
403     {
404         "I18nNyckel": "systemaktivitet.examen.ratta.utfardat.bevis",
405         "Text": "Bevis: R\u00e4tta utf\u00e4rdat bevis"
406     },
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410     },
411     {
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413     "Text": "Sammanh\u00e5llen hantering av anm\u00e4lningar till h\u00f6gskoleutbildning med gemensam a
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415 {
416     "I18nNyckel": "commons.fel.grupp.varde_forandrat",
417     "Text": "V\u00e4rde f\u00f6r\u00e4ndrat"
418 },
419 {
420     "I18nNyckel": "commons.domain.larosate.su",
421     "Text": "Stockholms universitet"
422 },
423 {
424     "I18nNyckel": "commons.fel.grupp.autentisering",
425     "Text": "Autentisering"
426 },
427 {
428     "I18nNyckel": "sg.visa.installningar",
429     "Text": "Menyval: Mina uppgifter"
430 },
431 {
432     "I18nNyckel": "kataloginformation.grunddatakategori.periodtypkategori.nationellt.definierad.och.fast
433     "Text": "Nationellt definierad och fastst\u00e4lld period"
434 },
435 {
436     "I18nNyckel": "arendestod.bevisarende.notering.bevismetadata_vald",
437     "Text": "Bevis valt"
438 },
439 {
440     "I18nNyckel": "systemaktivitet.arendestod.hantera.arendefritext.vid.sokning",
441     "Text": "Studiedeltagande: Hantera fritext\u00e4rende vid s\u00f6kning (kompletterande)"
442 },
443 {
444     "I18nNyckel": "systemaktivitet.pedagogisktstod.hantera_dokumenterat_stod",
445     "Text": "Pedagogiskt st\u00f6d: Dokumentera st\u00f6d f\u00f6r student"
446 },
447 {
448     "I18nNyckel": "commons.domain.larosate.lnu",
449     "Text": "Linn\u00e9universitetet"
450 },
451 {
452     "I18nNyckel": "commons.fel.grupp.felaktig_summa",
453     "Text": "Felaktig summa"
454 },
455 {
456     "I18nNyckel": "systemaktivitet.kataloginformation.behorighet.administrera.las.profil",
457     "Text": "Beh\u00f6righetshantering: Hantera beh\u00f6righetsprofiler med l\u00e4sr\u00e4ttighet"
458 },
459 {
460     "I18nNyckel": "sg.aktivt",
461     "Text": "Aktivt: Studentgr\u00e4nsnitt aktivt p\u00e5 l\u00e4ros\u00e4tet"
462 },

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463     {
464         "I18nNyckel": "systemaktivitet.studiedeltagande.lasa_aktivitet_och_finansiering.student",
465         "Text": "Student-Studiedeltagande: Studieaktivitet och -finansiering - endast l\u00e4sa"
466     },
467     {
468         "I18nNyckel": "systemaktivitet.studiedeltagande.andra.placering.i.plan.tillata.kopierad.registrering",
469         "Text": "Studiedeltagande: \u00c4ndra placering i studieplan f\u00f6r kopierad registrering oavsett"
470     },
471     {
472         "I18nNyckel": "kataloginformation.fel.detaljkod.webbadress",
473         "Text": "Webbadress"
474     },
475     {
476         "I18nNyckel": "systemaktivitet.arendestod.hantera.arende.ratta.titel.i.resultat.vid.sokning",
477         "Text": "Resultat: Hantera r\u00e4tta titel i resultat-\u00e4rende vid s\u00f6kning (kompletterande)"
478     },
479     {
480         "I18nNyckel": "commons.fel.detaljkod.startperiod",
481         "Text": "Startperiod"
482     },
483     {
484         "I18nNyckel": "systemaktivitet.studentinformation.dokumentera.identitetsuppgifter.interim",
485         "Text": "Studentinformation: Hantera interimspersonnummer"
486     },
487     {
488         "I18nNyckel": "systemaktivitet.avgiftshantering.hantera_utbildningstillfallen",
489         "Text": "Studieavgifter: Hantera aktivering f\u00f6r ny hantering av studieavgifter"
490     },
491     {
492         "I18nNyckel": "kataloginformation.fel.detaljkod.takt",
493         "Text": "Takt"
494     },
495     {
496         "I18nNyckel": "systemaktivitet.studiedeltagande.ta_bort_avbrott_pa_kurspaketering",
497         "Text": "Studiedeltagande: Ta bort avbrott p\u00e5 kurspaketering"
498     },
499     {
500         "I18nNyckel": "commons.fel.grupp.resurs_saknas",
501         "Text": "Den beg\u00e4rda resursen finns inte p\u00e5 servern"
502     },
503     {
504         "I18nNyckel": "commons.fel.kategori.sakerhetsovertradelse",
505         "Text": "Beh\u00f6righet saknas"
506     },
507     {
508         "I18nNyckel": "commons.fel.grupp.otillaten_statusovergang",
509         "Text": "Status\u00f6verg\u00e5ng ej till\u00e5ten"
510     },
511     {
512         "I18nNyckel": "systemaktivitet.utbildningsinformation.lagg_till_kurspaketeringstillfalle_till_utbud"

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513     "Text": "Utbudsg\00005ng: L\00004gg till p\00005g\00005ende kurspaketeringstillf\00004llen till ut
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516     "I18nNyckel": "systemaktivitet.extintegration.migrationsverket_lasaktivitet",
517     "Text": "Extintegration: Migrationsverket l\00004saktivitet"
518 },
519 {
520     "I18nNyckel": "systemaktivitet.resultat.vidimera.merit.ratta",
521     "Text": "Resultat: R\00004tta annan merit"
522 },
523 {
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617     "Text": "Kataloginformation: Byt till alternativ anv\u00e4ndare"
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641     "Text": "Menyval: Studieavgifter"
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681         "Text": "Kurstillf\u00e4lleskod"
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685         "Text": "Student-Bevis: Ans\u00f6ka om examensbevis"
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689         "Text": "Ing\u00e5r i grupp: Utbytesavtal"
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1019 {
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1173         "Text": "Nationellt undervisnings\u00e4mne"
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1333     "Text": "\u00c4ndra"
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1433     "Text": "Bevisben\u00e4mning"
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1453     "Text": "Periodtyp"
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1457     "Text": "Undervisningstid"
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1459 {
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1461     "Text": "Avisering till studenter - Bevis - utf\u00e4rda"
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1477   "Text": "Spara finansieringsformsgrupp p\u00e5 lokal niv\u00e5"
1478 },
1479 {
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1481   "Text": "Niv\u00e5 inom studieordning"
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1489   "Text": "Spara dokumentkonfiguration p\u00e5 nationell niv\u00e5"
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1493   "Text": "Periodtypkategori"
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1497   "Text": "Spara verksamhetsroll p\u00e5 lokal niv\u00e5"
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1501   "Text": "Common: Internt anrop f\u00f6r beh\u00f6righeter"
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1503 {
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1507 {
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1509   "Text": "Krav p\u00e5 tidigare studier"
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1511 {
1512   "I18nNyckel": "dokumenthantering.fel.detalkod.resurs_for_dokumentmallparameter",
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1513     "Text": "Resurs f\u00f6r dokumentmallparameter"
1514 },
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1517     "Text": "Studentinformation: Dokumentera avst\u00e4ngning"
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1519 {
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1528     "I18nNyckel": "systemfunktion.id.10519",
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1531 {
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1533     "Text": "Uppdragsutbildning"
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1537     "Text": "Menyval: \u00c4renden"
1538 },
1539 {
1540     "I18nNyckel": "kataloginformation.grunddatakategori.externpart.beskrivning",
1541     "Text": "Organisation som tillhandah\u00e5ller tj\u00e4nster som bidrar till en utbildnings genomf\u00f6ring"
1542 },
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1545     "Text": "Utbildningstillf\u00e4lle"
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1553     "Text": "Common: Oautentiserat anrop via Open-anv\u00e4ndaren"
1554 },
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1557     "Text": "M\u00e4lardalens universitet"
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1569     "Text": "Spara urvalsinformation"
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1572     "I18nNyckel": "systemfunktion.id.10526",
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1575 {
1576     "I18nNyckel": "systemaktivitet.common.individuell.utbildning_och_tillfalle",
1577     "Text": "Studiedeltagande: L\u00e4gg till individuell utbildning och tillf\u00e4lle"
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1593     "Text": "Kurs"
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1596     "I18nNyckel": "commons.fel.detaljkod.sms",
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1601     "Text": "Spara beh\u00f6righetsinformation p\u00e5 nationell niv\u00e5"
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1604     "I18nNyckel": "systemfunktion.id.10523",
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1608     "I18nNyckel": "systemaktivitet.studentinformation.importera.avgiftsfriheter",
1609     "Text": "Studentinformation: H\u00e4mta information om avgiftsskyldighet fr\u00f6n NyA"
1610 },
1611 {
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1613     "Text": "Studiedeltagande: Ta bort \"P\u00e5b\u00f6rjad\" p\u00e5 kurspaketering"
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1618 },
1619 {
1620     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildningsmall.spara.lokal",
1621     "Text": "Utbildningsinformation: Hantera lokal utbildningsmall"
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1625     "Text": "Supportr\u00e4ttigheter"
1626 },
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1645     "Text": "Organisation"
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1648     "I18nNyckel": "dokumenthantering.fel.detaljkod.bakgrundsbild",
1649     "Text": "Bakgrundsbild"
1650 },
1651 {
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1656     "I18nNyckel": "systemaktivitet.resultat.pagaende.rapportering",
1657     "Text": "Resultat: L\u00e5sa p\u00e5g\u00e5ende rapportering"
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1661     "Text": "Studentinformation: Hantera skyddade personuppgifter"
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1667     {
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1669         "Text": "Avisering till studenter - Bevis - r\u00e4tta/\u00e4ndra"
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1673         "Text": "Ej kategoriserad"
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1677         "Text": "TODO"
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1680         "I18nNyckel": "commons.domain.utbildningstillfallestyp.inriktningstillfalle",
1681         "Text": "Inriktningstillf\u00e4lle"
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1683     {
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1685         "Text": "Studiedeltagande: Informationsbeh\u00f6righet - F\u00f6rutbildning"
1686     },
1687     {
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1689         "Text": "Automatisk best\u00e4llning av folkbokf\u00f6ringsuppgifter fr\u00f6m studentregistret"
1690     },
1691     {
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1693         "Text": "Bevakning: Hantera alla bevakningar"
1694     },
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1696         "I18nNyckel": "systemaktivitet.resultat.tillgodoraknande_arende_ta_bort_notering",
1697         "Text": "Tillgodor\u00e4knande: Ta bort notering i tillgodor\u00e4knande\u00e4rende"
1698     },
1699     {
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1701         "Text": "Kataloginformation beh\u00f6righetsadministration: Allt - fullst\u00e4ndig nationell beh\u00f6righet"
1702     },
1703     {
1704         "I18nNyckel": "commons.fel.detaljkod.periodtyp",
1705         "Text": "Periodtyp"
1706     },
1707     {
1708         "I18nNyckel": "commons.domain.larosate.mau",
1709         "Text": "Malm\u00f6 universitet"
1710     },
1711     {
1712         "I18nNyckel": "systemaktivitet.extintegration.nationell_oversikt_lasaktivitet",

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1713     "Text": "Studiedeltagande: L\u00e4sa nationell \u00f6versikt"
1714 },
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1716     "I18nNyckel": "systemaktivitet.emrex.lasa",
1717     "Text": "Emrex: L\u00e4sa information"
1718 },
1719 {
1720     "I18nNyckel": "commons.fel.detaljkod.aktivitet_som_kraver_autentisering",
1721     "Text": "Aktivitet som kr\u00e4ver autentisering"
1722 },
1723 {
1724     "I18nNyckel": "kataloginformation.grunddatakategori.nationelltforskningsamne.beskrivning",
1725     "Text": "Gruppering av forsknings\u0040mnen fastst\u00e4lld av SCB:s programr\u00e5d f\u00f6r forskn
1726 },
1727 {
1728     "I18nNyckel": "kataloginformation.grunddatakategori.arendekorg.beskrivning",
1729     "Text": "En uppsamlare som kan anv\u00e4ndas f\u00f6r att sortera och f\u00f6rdela \u00e4renden enli
1730 },
1731 {
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1734 },
1735 {
1736     "I18nNyckel": "systemaktivitet.extintegration.lasa_utbildningssamarbete",
1737     "Text": "Studiedeltagande: L\u00e4sa utbildningssamarbete"
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1739 {
1740     "I18nNyckel": "systemaktivitet.resultat.aktivitetstillfalle.administrera_deltagare",
1741     "Text": "Resultat: Hantera deltagare p\u00e5 aktivitetstillf\u00e4lle"
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1745     "Text": "Verksamhetsroll"
1746 },
1747 {
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1749     "Text": "Utbudsomg\u00e5ng: L\u00e4gg till inneh\u00e5ll i struktur i utbudsomg\u00e5ng"
1750 },
1751 {
1752     "I18nNyckel": "avisering.student.tg.aktiverad",
1753     "Text": "Avisering till studenter - Tillgodor\u00e4knande - beslut"
1754 },
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1756     "I18nNyckel": "systemaktivitet.studiedeltagande.utfor_val.student",
1757     "Text": "Student-Studiedeltagande: Meddela val av utbildning"
1758 },
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1760     "I18nNyckel": "systemaktivitet.studiedeltagande.hantera.notering.i.mina.grupper",
1761     "Text": "Studiedeltagande: Hantera notering i mina grupper (kompletterande)"
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1765         "Text": "Bevis: L\u00e4sa bevisinformation"
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1767     {
1768         "I18nNyckel": "dokumenthantering.fel.detaljkod.pdf",
1769         "Text": "PDF"
1770     },
1771     {
1772         "I18nNyckel": "systemaktivitet.studiedeltagande.ta_bort_forvantat_deltagande.kurspaketering",
1773         "Text": "Studiedeltagande: Ta bort f\u00f6rv\u00e4ntat deltagande p\u00e5 kurspaketeringstillf\u00e4lle"
1774     },
1775     {
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1785         "Text": "Organisationskod"
1786     },
1787     {
1788         "I18nNyckel": "systemaktivitet.examen.tilldela.bevisarende",
1789         "Text": "Bevis: Tilldela bevis\u00e4rende"
1790     },
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1794     },
1795     {
1796         "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildning.bytt.utbildningsinstans.pa.utbildning",
1797         "Text": "Utbildningsinformation: Flytta utbildningstillf\u00e4llet i status p\u00e5 b\u00f6rjad eller avslutad"
1798     },
1799     {
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1801         "Text": "Underliggande part"
1802     },
1803     {
1804         "I18nNyckel": "kataloginformation.grunddatakategori.behorighetsinformation.beskrivning",
1805         "Text": "F\u00f6rkunskapskrav med koppling till beh\u00f6righetsmodeller i antagningssystemet NyA."
1806     },
1807     {
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1809         "Text": "\u00c4mne p\u00e5 forskarniv\u00e5kod"
1810     },
1811     {
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1813     "Text": "Felaktigt inneh\u00e5ll"
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1817     "Text": "Studiedeltagande: Hantera grupper i utbildning"
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1821     "Text": "V\u00e4rde \u00e4r \u00e5t"
1822 },
1823 {
1824     "I18nNyckel": "sg.visa.ansokan.besvisovergenomfordutb",
1825     "Text": "Menyval: Ans\u00f6k om bevis \u00f6ver genomf\u00f6rd utbildning"
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1827 {
1828     "I18nNyckel": "kataloginformation.fel.detaljkod.fordjupningsniva",
1829     "Text": "F\u00f6rdjupningsniv\u00e5"
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1833     "Text": "Utbildningsinformation: L\u00e5s litteraturlista"
1834 },
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1837     "Text": "Gruppering av finansieringsformer som kan anv\u00e4ndas f\u00f6r filtreringar i gr\u00e4ns"
1838 },
1839 {
1840     "I18nNyckel": "commons.domain.larosate.mch",
1841     "Text": "Marie Cederschi\u00f6ld h\u00f6gskola"
1842 },
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1845     "Text": "Hierarki"
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1849     "Text": "Anv\u00e4ndarkontext"
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1853     "Text": "Avliden\u00e4rend"
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1857     "Text": "Resultat: L\u00e5s information"
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1859 {
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1862 },

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1866 },
1867 {
1868   "I18nNyckel": "kataloginformation.grunddatakategori.kommun.beskrivning",
1869   "Text": "Administrativ och geografisk enhet med lokalt sj\u00e4lvstyre. Anv\u00e4nds i statistiska s
1870 },
1871 {
1872   "I18nNyckel": "systemaktivitet.kataloginformation.nationell.administration.av.systemaktiviteter",
1873   "Text": "Kataloginformation: Nationell administration av systemaktiviteter"
1874 },
1875 {
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1877   "Text": "Studiedeltagande: Hantera studiebeh\u00f6righeter"
1878 },
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1881   "Text": "Kataloginformation: Hantera grunddata - nationell r\u00e4ttighetsniv\u00e5"
1882 },
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1885   "Text": "Menyval: Intyg"
1886 },
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1901   "Text": "Utkast"
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1907 {
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1909   "Text": "H\u00e4ndelser: Redigera h\u00e4ndelsefel"
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1913     "Text": "Studiedeltagande: Hantera mina grupper"
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1917     "Text": "Komplett"
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1919 {
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1921     "Text": "P\u00e5b\u00f6rd"
1922 },
1923 {
1924     "I18nNyckel": "kataloginformation.fel.detaljkod.nationell_mall_for_period",
1925     "Text": "Nationell mall f\u00f6r period"
1926 },
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1929     "Text": "Student-Studentinformation: Administrera students leveranspreferenser"
1930 },
1931 {
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1933     "Text": "Utbildningsinformation: Skapa ny version av utbildning"
1934 },
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1938 },
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1942 },
1943 {
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1953     "Text": "Rapportparameter"
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1957     "Text": "Kod"
1958 },
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1961     "Text": "Studiedeltagande: Registrera trots att studieavgift \u00e4r ej helt betald (kompletterande)"
1962 },

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1965         "Text": "Sveriges lantbruksuniversitet"
1966     },
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1969         "Text": "Student-Studiedeltagande: Meddela avbrott p\u00e5 kurs"
1970     },
1971     {
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1973         "Text": "Menyval: Ans\u00f6k om tillgodor\u00e4knande"
1974     },
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1978     },
1979     {
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1993         "Text": "Individuell studieplan: Avsluta individuell studieplan"
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1997         "Text": "S\u00e4kerhetsniv\u00e5"
1998     },
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2005         "Text": "Studiedeltagande: Registrera trots studieavgiftsperiodens omfattning (kompletterande)"
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2017     "Text": "Bl\u00e5a l\u00e4ros\u00e4tt"
2018 },
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2051 {
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2053     "Text": "Systemregel \u00f6vertr\u00e4ds"
2054 },
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2061     "Text": "Utbudsomg\u00e5ng: Ta bort f\u00f6rslag till utbildningstillf\u00e4lle"
2062 },

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2071     {
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2073         "Text": "Studiedeltagande: Hantera anknytning till annat l\u00f6s\u00f6st"
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2083     {
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2085         "Text": "V\u00e4rde m\u00e5ste vara unikt"
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2089         "Text": "Menyval: Mina uppgifter"
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2091     {
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2094     },
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2097         "Text": "Eduapi: L\u00f6s k\u00f6nslig eduapi-information"
2098     },
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2101         "Text": "Bevis: L\u00e5s utf\u00e4rdat bevis"
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2105         "Text": "Logotyp"
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2109         "Text": "L\u00e5s anv\u00e4ndare"
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2137     "Text": "Samverkan om utbildning avseende tv\u00e5 eller flera kurspaketeringar inom ett l\u00e4ros\u00e5r"
2138 },
2139 {
2140     "I18nNyckel": "kataloginformation.grunddatakategori.utbildningsform.beskrivning",
2141     "Text": "Begrepp f\u00f6r att separera utbildningar utifr\u00e5n de olika regelverk som g\u00e4ller"
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2175     {
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2177         "Text": "Menyval: Ans\u00f6k om examensbevis"
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2183     {
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2185         "Text": "Av l\u00e4ros\u00e4tt best\u00e4mt attribut som kan anv\u00e4ndas p\u00e5 utbildning, utbildning"
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2206     },
2207     {
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2214 },
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2225     "Text": "Betygsskala"
2226 },
2227 {
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2229     "Text": "Uppdatera beh\u00f6righetsprofil av l\u00e4s typ"
2230 },
2231 {
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2234 },
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2237     "Text": "Externt fel"
2238 },
2239 {
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2242 },
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2262 },

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2269         "Text": "Student-\u00c4rendest\u00f6d: Hantera kommunikation"
2270     },
2271     {
2272         "I18nNyckel": "systemaktivitet.studiedeltagande.las.anknytning",
2273         "Text": "Studiedeltagande: L\u00e5s anknytning"
2274     },
2275     {
2276         "I18nNyckel": "systemaktivitet.studiedeltagande.administrera_studieavgiftsbetalning_undantag",
2277         "Text": "Studiedeltagande: Hantera studieavgiftsbetalning undantag"
2278     },
2279     {
2280         "I18nNyckel": "systemfunktion.id.10114",
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2286     },
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2288         "I18nNyckel": "systemfunktion.id.10116",
2289         "Text": "Skapa beh\u00f6righetsprofil av lokal typ"
2290     },
2291     {
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2297         "Text": "H\u00e4ndelse"
2298     },
2299     {
2300         "I18nNyckel": "systemaktivitet.studiedeltagande.tillat_registrering_trots_behorighetsvillkor",
2301         "Text": "Studiedeltagande: Registrera trots villkor (kompletterande)"
2302     },
2303     {
2304         "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildningstillfalle.administrera.i.status.utkast",
2305         "Text": "Utbildningsinformation: Hantera utbildningstillf\u00e4lle i status utkast"
2306     },
2307     {
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2309         "Text": "Studiedeltagande: \u00c4ndra placering i studieplan f\u00f6r kurspaketeringstillf\u00e4lle"
2310     },
2311     {
2312         "I18nNyckel": "arendestod.fel.detaljkod.arendehanterare",

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2313     "Text": "\u00c4rendehanterare"
2314 },
2315 {
2316     "I18nNyckel": "systemaktivitet.kataloginformation.administrera_behorigheter",
2317     "Text": "Kataloginformation beh\u00f6righetsadministration: Anv\u00e4ndarbeh\u00f6righet - aktivera",
2318 },
2319 {
2320     "I18nNyckel": "avisering.student.faktura.aktiverad",
2321     "Text": "Avisering till studenter - Studieavgifter"
2322 },
2323 {
2324     "I18nNyckel": "systemaktivitet.pedagogisktstod.hantera_dokumenterat_stod_student",
2325     "Text": "Student-Pedagogiskt st\u00f6d: Ans\u00f6ka om st\u00f6d"
2326 },
2327 {
2328     "I18nNyckel": "systemaktivitet.studiedeltagande.forbereda_tillfallesbyte_med_mojlighet_att_andra_per",
2329     "Text": "Studiedeltagande: F\u00f6rbered tillf\u00e4llesbyte med m\u00f6jlighet att \u00e4ndra perio
2330 },
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2333     "Text": "Studentrestriktioner"
2334 },
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2337     "Text": "Litteraturposter"
2338 },
2339 {
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2341     "Text": "Bevis: Bevisans\u00f6kan av student"
2342 },
2343 {
2344     "I18nNyckel": "systemaktivitet.arendestod.attestera",
2345     "Text": "\u00c4rendest\u00f6d: Attestera \u00e4rendebeslut (gammal l\u00f6sning)"
2346 },
2347 {
2348     "I18nNyckel": "commons.fel.detalkod.kurstillfalle",
2349     "Text": "Kurstillf\u00e4lle"
2350 },
2351 {
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2353     "Text": "Underlag"
2354 },
2355 {
2356     "I18nNyckel": "systemfunktion.id.10120",
2357     "Text": "L\u00e4sa beh\u00f6righetsprofil"
2358 },
2359 {
2360     "I18nNyckel": "systemfunktion.id.10121",
2361     "Text": "Skapa eng\u00e5ngsl\u00f6sen till anv\u00e4ndare f\u00f6r koppling av multifaktor-token"
2362 },

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2363     {
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2365         "Text": "Exportera alla beh\u00f6righetsprofiler p\u00e5 l\u00e5ros\u00e4tet"
2366     },
2367     {
2368         "I18nNyckel": "commons.domain.utbildningstillfallestyp.utbytestillfalle",
2369         "Text": "Utbytestillf\u00e4lle"
2370     },
2371     {
2372         "I18nNyckel": "systemfunktion.id.10123",
2373         "Text": "Exportera alla anv\u00e4ndarebeh\u00f6righeter p\u00e5 l\u00e5ros\u00e4tet"
2374     },
2375     {
2376         "I18nNyckel": "systemaktivitet.extintegration.nya_lasaktivitet",
2377         "Text": "Extintegration: NyA l\u00e5saktivitet"
2378     },
2379     {
2380         "I18nNyckel": "systemaktivitet.studiedeltagande.ta_bort_avklarad_pa_kurspaketering",
2381         "Text": "Studiedeltagande: Ta bort avklarad kurspaketering"
2382     },
2383     {
2384         "I18nNyckel": "systemaktivitet.extintegration.skapa.intygforvantatdeltagande",
2385         "Text": "Intyg: Skapa intyg \u00f6ver f\u00f6rv\u00e4ntat deltagande"
2386     },
2387     {
2388         "I18nNyckel": "systemfunktion.id.10128",
2389         "Text": "Uppdatera beh\u00f6righetsprofil av support-typ"
2390     },
2391     {
2392         "I18nNyckel": "commons.fel.grupp.felaktigt_varde",
2393         "Text": "Felaktigt v\u00e4rde"
2394     },
2395     {
2396         "I18nNyckel": "systemaktivitet.studiedeltagande.las.ej_hanterad_antagning",
2397         "Text": "Studiedeltagande: L\u00e5s ej hanterade antagningar"
2398     },
2399     {
2400         "I18nNyckel": "arendetyper.aterbudsarende",
2401         "Text": "\u00c5terbuds\u00e4rende"
2402     },
2403     {
2404         "I18nNyckel": "systemfunktion.id.10124",
2405         "Text": "Skapa enskild anv\u00e4ndarbeh\u00f6righet"
2406     },
2407     {
2408         "I18nNyckel": "systemfunktion.id.10125",
2409         "Text": "L\u00e5s mina alternativa anv\u00e4ndare"
2410     },
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2412         "I18nNyckel": "commons.domain.regel.utbildningstypsgrupp.polisutbildning",

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2413     "Text": "Polisutbildning"
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2416     "I18nNyckel": "kataloginformation.grunddatakategori.svensk.ort",
2417     "Text": "Svensk ort"
2418 },
2419 {
2420     "I18nNyckel": "systemfunktion.id.10126",
2421     "Text": "Ta bort enskild anv\u00e4ndarbeh\u00f6righet"
2422 },
2423 {
2424     "I18nNyckel": "systemfunktion.id.10127",
2425     "Text": "Skapa beh\u00f6righetsprofil av support-typ"
2426 },
2427 {
2428     "I18nNyckel": "systemaktivitet.studiedeltagande.ta_bort_forvantat_deltagande.kurs",
2429     "Text": "Studiedeltagande: Ta bort f\u00f6rv\u00e4ntat deltagande p\u00e5 kurstillf\u00e4lle"
2430 },
2431 {
2432     "I18nNyckel": "systemaktivitet.arendestod.hantera.arend.ersatt.identitet.vid.sokning",
2433     "Text": "Studentinformation: Hantera ersatt identitets\u00e4rende vid s\u00f6kning (kompletterande)"
2434 },
2435 {
2436     "I18nNyckel": "commons.domain.uid",
2437     "Text": "Unik identifierare"
2438 },
2439 {
2440     "I18nNyckel": "commons.domain.eventhandling.category.sw_error",
2441     "Text": "Mjukvarufel"
2442 },
2443 {
2444     "I18nNyckel": "systemaktivitet.examen.bevisansokan.genomfordutbildning",
2445     "Text": "Student-Bevis: Ans\u00f6ka om bevis \u00f6ver genomf\u00f6rd utbildning"
2446 },
2447 {
2448     "I18nNyckel": "commons.fel.kategori.for_manga_anrop",
2449     "Text": "F\u00f6r m\u00e5nga anrop"
2450 },
2451 {
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2453     "Text": "Agera ombud f\u00f6r anv\u00e4ndare"
2454 },
2455 {
2456     "I18nNyckel": "systemfunktion.id.10132",
2457     "Text": "Agera ombud f\u00f6r student"
2458 },
2459 {
2460     "I18nNyckel": "systemaktivitet.utbildningsinformation.hantera_beslutsinformation_i_plan",
2461     "Text": "Utbildningsinformation: Hantera beslutsinformation f\u00f6r plan"
2462 },

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2463     {
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2465         "Text": "Betygsskala"
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2469         "Text": "Aktivera anv\u00e4ndare"
2470     },
2471     {
2472         "I18nNyckel": "systemaktivitet.bevakning.student.lasa_bevakningar",
2473         "Text": "Student-Bevakning: L\u00e4sa bevakningar"
2474     },
2475     {
2476         "I18nNyckel": "systemaktivitet.examen.kopiera.utfardat.bevis",
2477         "Text": "Bevis: Flytta utf\u00e4rdat bevis"
2478     },
2479     {
2480         "I18nNyckel": "systemaktivitet.arendestod.paborja",
2481         "Text": "\u00c4rendest\u00f6d: P\u00e5b\u00f6rja \u00e4rende (gammal l\u00f6sning)"
2482     },
2483     {
2484         "I18nNyckel": "systemfunktion.id.10134",
2485         "Text": "Inaktivera anv\u00e4ndare"
2486     },
2487     {
2488         "I18nNyckel": "systemaktivitet.studentinformation.lista.studenter.med.skyddade.folkbokforingsuppgifter",
2489         "Text": "API: Lista studenter med skyddade folkbokf\u00f6ringsuppgifter vid eget l\u00e4ros\u00e4r"
2490     },
2491     {
2492         "I18nNyckel": "dokumenthantering.fel.detaljkod.dokumentparameter",
2493         "Text": "Dokumentparameter"
2494     },
2495     {
2496         "I18nNyckel": "systemfunktion.id.10130",
2497         "Text": "Tilldela beh\u00f6righet till betafunktioner"
2498     },
2499     {
2500         "I18nNyckel": "systemaktivitet.examen.ta.bort.notering.i.bevisarende",
2501         "Text": "Bevis: Ta bort notering i bevis\u00e4rende"
2502     },
2503     {
2504         "I18nNyckel": "systemaktivitet.utbildningsinformation.andra_utbudsomgang",
2505         "Text": "Utbudsomg\u00e5ng: Hantera utbudsomg\u00e5ng"
2506     },
2507     {
2508         "I18nNyckel": "commons.fel.grupp.felaktigt_format",
2509         "Text": "Felaktigt format"
2510     },
2511     {
2512         "I18nNyckel": "systemaktivitet.studiedeltagande.tillat_tillfallesbyte_trots_att_hela_studieperioden_

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2513     "Text": "Studiedeltagande: F\u00f6rbered tillf\u00e4llesbyte n\u00e4r studieperioden passerat (kompl
2514 },
2515 {
2516     "I18nNyckel": "systemaktivitet.utbildningsinformation.regelverk_for_utbildningsmall.hantera",
2517     "Text": "Utbildningsinformation: Hantera regelverk f\u00f6r utbildningsmall"
2518 },
2519 {
2520     "I18nNyckel": "kataloginformation.grunddatakategori.nationelltundervisningsamne.beskrivning",
2521     "Text": "\u00c4mne i grund- och gymnasieskola som l\u00e4rare bedriver undervisning i. Anv\u00e4nds
2522 },
2523 {
2524     "I18nNyckel": "systemfunktion.id.10135",
2525     "Text": "Borttag av anv\u00e4ndare"
2526 },
2527 {
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2529     "Text": "Mittuniversitetet"
2530 },
2531 {
2532     "I18nNyckel": "kataloginformation.grunddatakategori.nationellexamensgrupp.beskrivning",
2533     "Text": "Av SCB utarbetad gruppering av examina. Anv\u00e4nds f\u00f6r statistiska \u00e4ndam\u00e5l
2534 },
2535 {
2536     "I18nNyckel": "systemaktivitet.studentinformation.administrera.avgiftsskyldighet",
2537     "Text": "Studentinformation: Hantera avgiftsskyldighet"
2538 },
2539 {
2540     "I18nNyckel": "kataloginformation.grunddatakategori.studieordning",
2541     "Text": "Studieordning"
2542 },
2543 {
2544     "I18nNyckel": "systemaktivitet.utbildningsinformation.lagg.till.studieperiod",
2545     "Text": "Utbildningsinformation: L\u00e4gg till studieperiod"
2546 },
2547 {
2548     "I18nNyckel": "systemaktivitet.resultat.resultathistorik",
2549     "Text": "Resultat: L\u00e4sa \u00e4rdringslogg resultat"
2550 },
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2552     "I18nNyckel": "commons.domain.epostadress",
2553     "Text": "E-postadress"
2554 },
2555 {
2556     "I18nNyckel": "arendestod.fel.detaljkod.ateroppna",
2557     "Text": "\u00c5ter\u00f6ppna"
2558 },
2559 {
2560     "I18nNyckel": "sw.alumn.menyval.examen_och_bevis",
2561     "Text": "Menyval: Examen och bevis"
2562 },

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2563     {
2564         "I18nNyckel": "kataloginformation.fel.detaljkod.ingaende.part",
2565         "Text": "Ing\u00e5ende part"
2566     },
2567     {
2568         "I18nNyckel": "systemaktivitet.avgiftshantering.ta_bort_faktura",
2569         "Text": "Studieavgifter: Ta bort faktura (kompletterande)"
2570     },
2571     {
2572         "I18nNyckel": "kataloginformation.grunddatakategori.enhet.beskrivning",
2573         "Text": "Den enhet som anv\u00e4nds f\u00f6r att ange utbildningens omfattning, t.ex. h\u00f6gskolep
2574     },
2575     {
2576         "I18nNyckel": "systemaktivitet.resultat.attestera_forberedda_andringar_av_attesterat_resultat_som_in
2577         "Text": "Resultat: Attestera f\u00f6rberedda \u00e4ndringar av attesterade resultat som ing\u00e5r i
2578     },
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2580         "I18nNyckel": "systemaktivitet.arendestod.notera",
2581         "Text": "\u00c4rendest\u00f6d: Notera \u00e4rende (gammal l\u00f6sning)"
2582     },
2583     {
2584         "I18nNyckel": "systemaktivitet.studiedeltagande.ta_bort_avbrott",
2585         "Text": "Studiedeltagande: Ta bort avbrott"
2586     },
2587     {
2588         "I18nNyckel": "systemaktivitet.resultat.attestera_tillgodoraknande.fritext",
2589         "Text": "Tillgodor\u00e4knande: Attestera tillgodor\u00e4knande, annan specifikation"
2590     },
2591     {
2592         "I18nNyckel": "commons.domain.datadimensionsvarde",
2593         "Text": "Informationskategoriv\u00e4rde"
2594     },
2595     {
2596         "I18nNyckel": "commons.fel.kategori.driftsfel",
2597         "Text": "Driftsfel"
2598     },
2599     {
2600         "I18nNyckel": "systemaktivitet.common.internt.anrop.for.inloggning",
2601         "Text": "Common: Internt anrop f\u00f6r inloggning"
2602     },
2603     {
2604         "I18nNyckel": "commons.domain.utbildningstillfalle.programtillfalleskod",
2605         "Text": "Programtillf\u00e4lleskod"
2606     },
2607     {
2608         "I18nNyckel": "kataloginformation.fel.detaljkod.partskod",
2609         "Text": "Organisationskod"
2610     },
2611     {
2612         "I18nNyckel": "commons.domain.regel.studieperiod.kan.laggas.till",

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2613     "Text": "Studieperiod kan l\u00e4ggas till"
2614 },
2615 {
2616     "I18nNyckel": "systemaktivitet.studentinformation.nationell.hantera_avliden",
2617     "Text": "Studentinformation: Hantera avliden-markering p\u00e5 student"
2618 },
2619 {
2620     "I18nNyckel": "systemaktivitet.studiedeltagande.administrera.dokumenteradebeslut",
2621     "Text": "Studiedeltagande: Dokumentera beslut"
2622 },
2623 {
2624     "I18nNyckel": "systemaktivitet.extintegration.sssb_administration",
2625     "Text": "Extern integration: Hantera registreringskontroll f\u00f6r SSSB"
2626 },
2627 {
2628     "I18nNyckel": "systemaktivitet.utbildningsinformation.flytta.utbildningstillfalle.i.status.utkast",
2629     "Text": "Utbildningsinformation: Flytta utbildningstillf\u00e4llen i status utkast mellan versioner"
2630 },
2631 {
2632     "I18nNyckel": "kataloginformation.grunddatakategori.utlandsk.ort",
2633     "Text": "Utl\u00e4ndsk ort"
2634 },
2635 {
2636     "I18nNyckel": "kataloginformation.grunddatakategori.dokumentkonfiguration.beskrivning",
2637     "Text": "En lokal, namngiven variant av en dokumentmall f\u00f6r t.ex. examensbevis."
2638 },
2639 {
2640     "I18nNyckel": "systemaktivitet.resultat.rapportera.annatresultat",
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2645     "Text": "Antagningsomg\u00e5ng"
2646 },
2647 {
2648     "I18nNyckel": "kataloginformation.grunddatakategori.verksamhetsroll.beskrivning",
2649     "Text": "Verksamhetsroller kan anv\u00e4ndas p\u00e5 olika s\u00e4tt. Dels kan de kopplas till speci
2650 },
2651 {
2652     "I18nNyckel": "systemaktivitet.studiedeltagande.andra_studieplan",
2653     "Text": "Studiedeltagande: Studieplan - \u00e4ndra"
2654 },
2655 {
2656     "I18nNyckel": "commons.fel.grupp.sokkriterier_saknas",
2657     "Text": "S\u00f6kkriterier saknas"
2658 },
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2660     "I18nNyckel": "kataloginformation.grunddatakategori.praktiktyp",
2661     "Text": "Praktiktyp"
2662 },

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2663     {
2664         "I18nNyckel": "systemaktivitet.isp.andra_isp.student",
2665         "Text": "Student-Individuell studieplan: \u00c4ndra individuell studieplan"
2666     },
2667     {
2668         "I18nNyckel": "kataloginformation.fel.detaljkod.anvandarbehorighetsstatus",
2669         "Text": "Anv\u00e4ndarbeh\u00f6righetsstatus"
2670     },
2671     {
2672         "I18nNyckel": "kataloginformation.grunddatakategori.antagningsomgang",
2673         "Text": "Antagningsomg\u00e5ng"
2674     },
2675     {
2676         "I18nNyckel": "systemfunktion.id.11005",
2677         "Text": "Uppdatera organisationskoppling"
2678     },
2679     {
2680         "I18nNyckel": "commons.domain.utbildningstillfallesantagning",
2681         "Text": "Utbildningstillf\u00e4llesantagning"
2682     },
2683     {
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2686     },
2687     {
2688         "I18nNyckel": "systemaktivitet.resultat.dokumentera_beslutat_tillgodoraknande.helkurs",
2689         "Text": "Tillgodor\u00e4knande: Dokumentera beslut om tillgodor\u00e4knande, hel kurs"
2690     },
2691     {
2692         "I18nNyckel": "systemaktivitet.kataloginformationbehorighet.koppla.las.profil",
2693         "Text": "Beh\u00f6righetshantering: Koppla beh\u00f6righetsprofiler med l\u00e5sr\u00e4ttighet till
2694     },
2695     {
2696         "I18nNyckel": "commons.domain.enhet",
2697         "Text": "Enhet"
2698     },
2699     {
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2701         "Text": "Utbudsomg\u00e5ng: L\u00e5sa utbudsomg\u00e5ng"
2702     },
2703     {
2704         "I18nNyckel": "commons.fel.detaljkod.belopp",
2705         "Text": "Belopp"
2706     },
2707     {
2708         "I18nNyckel": "kataloginformation.datadimension.processtatus",
2709         "Text": "Processtatus"
2710     },
2711     {
2712         "I18nNyckel": "commons.fel.detaljkod.land",

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2713     "Text": "Land"
2714 },
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2716     "I18nNyckel": "systemaktivitet.extintegration.lasa.student",
2717     "Text": "Student-Extintegration: L\u00e4sa information"
2718 },
2719 {
2720     "I18nNyckel": "commons.fel.detaljkod.valregel",
2721     "Text": "Valregel"
2722 },
2723 {
2724     "I18nNyckel": "kataloginformation.fel.detaljkod.antagningsomgang.sistaannonseringsdag",
2725     "Text": "Sista annonseringsdag"
2726 },
2727 {
2728     "I18nNyckel": "systemaktivitet.utbildningsinformation.besluta_plan_for_utbildning",
2729     "Text": "Utbildningsinformation: Besluta plan f\u00f6r utbildning"
2730 },
2731 {
2732     "I18nNyckel": "kataloginformation.grunddatakategori.lan",
2733     "Text": "L\u00e4n"
2734 },
2735 {
2736     "I18nNyckel": "systemaktivitet.utbildningsinformation.publicera_oversattning_for_plan",
2737     "Text": "Utbildningsinformation: Publicera \u00f6vers\u00e4ttning f\u00f6r plan f\u00f6r utbildning"
2738 },
2739 {
2740     "I18nNyckel": "systemaktivitet.uppfoljning.exportera.rapportunderlag",
2741     "Text": "Uppf\u00f6ljning: Exportera rapportunderlag"
2742 },
2743 {
2744     "I18nNyckel": "systemaktivitet.studentinformation.bestalla.folkbokforingsuppgifter.alla.studenter",
2745     "Text": "Studentinformation: Best\u00e4lla uppdatering av folkbokf\u00f6ringsuppgifter f\u00f6r alla"
2746 },
2747 {
2748     "I18nNyckel": "kataloginformation.grupp.for.utsokning.yhutbildning",
2749     "Text": "YH-utbildning"
2750 },
2751 {
2752     "I18nNyckel": "systemaktivitet.studiedeltagande.importera_kursantagningar",
2753     "Text": "Studiedeltagande: Importera kursantagningar"
2754 },
2755 {
2756     "I18nNyckel": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
2757     "Text": "\u00c5tg\u00e4rd n\u00e4r f\u00f6rsta studieperiodens omfattningsv\u00e4rde blir orimligt"
2758 },
2759 {
2760     "I18nNyckel": "commons.domain.student_restriktioner_pa_larosaten",
2761     "Text": "Studentrestriktioner p\u00e5 l\u00e4ros\u00e5ten"
2762 },

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2763 {
2764   "I18nNyckel": "systemaktivitet.resultat.vidimera.annatresultat",
2765   "Text": "Resultat: Vidimera annat resultat"
2766 },
2767 {
2768   "I18nNyckel": "arendestod.handelse.meddelande.fran_student",
2769   "Text": "Meddelande fr\u0000e5n student"
2770 },
2771 {
2772   "I18nNyckel": "kataloginformation.grunddatakategori.fordjupningsniva.beskrivning",
2773   "Text": "Klassifikation av kurs med avseende p\u0000e5 f\u0000f6rdjupning inom h\u0000f6gskoleutbildning,
2774 },
2775 {
2776   "I18nNyckel": "systemaktivitet.kataloginformationbehorighet.uppdatera.anvandarnamn",
2777   "Text": "Beh\u0000f6righetshantering: \u000c\u0004ndra anv\u0000e4ndarnamn"
2778 },
2779 {
2780   "I18nNyckel": "rattighetsniva.las",
2781   "Text": "Enbart l\u0000e4sr\u0000e4ttigheter"
2782 },
2783 {
2784   "I18nNyckel": "commons.domain.larosate.bth",
2785   "Text": "Blekinge tekniska h\u0000f6gskola"
2786 },
2787 {
2788   "I18nNyckel": "systemaktivitet.utbildningsinformation.publicera.utbildningsinformationsstruktur",
2789   "Text": "Utbildningsinformation: Publicera tillf\u0000e4llesstruktur"
2790 },
2791 {
2792   "I18nNyckel": "commons.fel.detaljkod.spraknyckel",
2793   "Text": "Nyckel f\u0000r text p\u0000e5 spr\u0000e5k"
2794 },
2795 {
2796   "I18nNyckel": "commons.domain.utbildningstillfallestyp.utbytesprogramtillfalleinresande",
2797   "Text": "Inresandetillf\u0000\u00e4lle"
2798 },
2799 {
2800   "I18nNyckel": "systemaktivitet.utbildningsinformation.las_plan_for_utbildning",
2801   "Text": "Utbildningsinformation: L\u0000\u00e4sa plan f\u0000f6r utbildning"
2802 },
2803 {
2804   "I18nNyckel": "commons.domain.larosate.kau",
2805   "Text": "Karlstads universitet"
2806 },
2807 {
2808   "I18nNyckel": "avisering.anvandare.aktiverad",
2809   "Text": "Avisering till handl\u0000\u00e4ggare"
2810 },
2811 {
2812   "I18nNyckel": "systemaktivitet.extintegration.skapa.resultatintyg.student",
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2813     "Text": "Student-Intyg: Skapa resultatintyg"
2814 },
2815 {
2816     "I18nNyckel": "systemaktivitet.kataloginformationbehorighet.koppla.nationell.profil",
2817     "Text": "Beh\u00f6righetshantering: Koppla support- och nationella beh\u00f6righetsprofiler till en
2818 },
2819 {
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2829     "Text": "Utbildningsinformation: L\u00e4sa information"
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2877         "Text": "Ingen understatus"
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2881         "Text": "Niv\u00e5 inom studieordning"
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2889         "Text": "Studiedeltagande: L\u00e4gg till f\u00f6rv\u00e4ntat deltagande p\u00e5 kurspaketeringstill
2890     },
2891     {
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2893         "Text": "F\u00f6rutbildning"
2894     },
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2896         "I18nNyckel": "kataloginformation.grunddatakategori.undervisningssprak.beskrivning",
2897         "Text": "Det spr\u00e5k som huvudsakligen anv\u00e4nds i undervisningen inom ett utbildningstillf\u00f6r
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2905         "Text": "Utbildningskod"
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2909         "Text": "Utbudsomg\u00e5ng: Hantera utbildningsversion f\u00f6r f\u00f6rslag i utbudsomg\u00e5ng"
2910     },
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2913     "Text": "Inst\u00e4lld"
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2917     "Text": "Emrex: Verifiera identitet och vidimera annan merit"
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2921     "Text": "Common: Internt anrop f\u00f6r h\u00e4mta student"
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2924     "I18nNyckel": "systemaktivitet.utbildningsinformation.besluta_litteraturlista",
2925     "Text": "Utbildningsinformation: Besluta litteraturlista"
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2927 {
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2929     "Text": "Utbildningsomr\u00e5de"
2930 },
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2933     "Text": "Org.kod"
2934 },
2935 {
2936     "I18nNyckel": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
2937     "Text": "Ing\u00e5r i grupp: \u00d6verf\u00f6rs till NyA endast som merit"
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2945     "Text": "Utbildningssatsning"
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2948     "I18nNyckel": "commons.domain.regel.informationsbehorighet.forskarutbildning",
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2950 },
2951 {
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2957     "Text": "Kod"
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2969         "Text": "Utbildningsinformation: L\u00e5s kompletterande uppgifter fr\u00f6m andra l\u00e5ros\u00e5r"
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2973         "Text": "Sidneh\u00e5ll: Visa oavslutade kurser"
2974     },
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2976         "I18nNyckel": "kataloginformation.grunddatakategori.meritvarderingsmodell.beskrivning",
2977         "Text": "En meritv\u00e4rderingsmodell styr under vilka f\u00f6ruts\u00e4ttningar och enligt vilka p\u00e5r\u00e4mnen"
2978     },
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2981         "Text": "Ing\u00e5r i grupp: Utresande"
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2985         "Text": "F\u00f6rnamn"
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3013     "Text": "Bevis: Ans\u00f6ka om bevis via integration"
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3061     "Text": "Spara tilltr\u00e4desniv\u00e5 p\u00e5 nationell niv\u00e5"
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3069         "Text": "Organisationskopplingstyp"
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3077         "Text": "Studiedeltagande: L\u00e5s \u00e4ndringslogg"
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3126 },
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3131 {
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3133     "Text": "Spara beviskategori p\u00e5 nationell niv\u00e5"
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3137     "Text": "Student-Studiedeltagande: H\u00e4mta eget intyg \u00f6ver f\u00f6rv\u00e4ntat deltagande"
3138 },
3139 {
3140     "I18nNyckel": "systemaktivitet.arendestod.hantera.arend.antagning.behorighetsvillkor.aterbud.vid.sc",
3141     "Text": "Extintegration: Hantera \u00e4renden r\u00f6r antagning, beh\u00f6righetsvillkor och \u00e4r"
3142 },
3143 {
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3147 {
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3149     "Text": "Spara Aktivitetstillf\u00e4llestyp nationellt"
3150 },
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3153     "Text": "M\u00e4rkningstyp"
3154 },
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3157     "Text": "\u00f6verliggande part"
3158 },
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3161     "Text": "Resultat: Klistra in resultat via aktivitetstillf\u00e4lle"
3162 },

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3165         "Text": "Utbildningsinformation: Informationsbeh\u00f6righet - YH-Utbildning"
3166     },
3167     {
3168         "I18nNyckel": "systemfunktion.id.10094",
3169         "Text": "Spara tj\u00f6nstekonfiguration p\u00f6 nationell niv\u00f6"
3170     },
3171     {
3172         "I18nNyckel": "kataloginformation.grunddatakategori.periodtypkategori.nationellt.definierad.och.loka",
3173         "Text": "Nationellt definierad och lokalt fastst\u00f6lld period"
3174     },
3175     {
3176         "I18nNyckel": "systemfunktion.id.10095",
3177         "Text": "Spara nationell definition av antagningsomg\u00f6ng"
3178     },
3179     {
3180         "I18nNyckel": "systemfunktion.id.10096",
3181         "Text": "Spara lokal antagningsomg\u00f6ng"
3182     },
3183     {
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3186     },
3187     {
3188         "I18nNyckel": "systemfunktion.id.10097",
3189         "Text": "Spara \u00f6mnesord p\u00f6 nationell niv\u00f6"
3190     },
3191     {
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3193         "Text": "Avisering till studenter - Bevakning - ISP"
3194     },
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3197         "Text": "Nyckel"
3198     },
3199     {
3200         "I18nNyckel": "systemaktivitet.isp.hantera_lokala_anpassningar",
3201         "Text": "Individuell studieplan: Hantera lokala anpassningar"
3202     },
3203     {
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3205         "Text": "Svensk ort"
3206     },
3207     {
3208         "I18nNyckel": "arendestod.fel.detaljkod.benamning.och.utbildningskod",
3209         "Text": "Ben\u00f6mning och utbildningskod"
3210     },
3211     {
3212         "I18nNyckel": "arendestod.fel.detaljkod.tillhorigheter",

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3213     "Text": "Tillh\u00f6righeter"
3214 },
3215 {
3216     "I18nNyckel": "systemaktivitet.uppfoljning.population.student.adresslista",
3217     "Text": "Utdata: Skapa adresslista f\u00f6r population"
3218 },
3219 {
3220     "I18nNyckel": "kataloginformation.grunddatakategori.land.beskrivning",
3221     "Text": "Geografiskt omr\u00f6mde som utg\u00f6r, eller har utgjort, en sj\u00f6lvstyrande politisk e
3222 },
3223 {
3224     "I18nNyckel": "systemaktivitet.studiedeltagande.informationsbehorighet.yh.utbildning",
3225     "Text": "Studiedeltagande: Informationsbeh\u00f6righet - YH-Utbildning"
3226 },
3227 {
3228     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildningstillfalle.administrera.i.status.kom
3229     "Text": "Utbildningsinformation: Hantera utbildningstillf\u00f6lle i status komplett"
3230 },
3231 {
3232     "I18nNyckel": "systemaktivitet.resultat.skapa.ratta_titel_pa_resultatarende",
3233     "Text": "Resultat: R\u00f6tta titel i resultat - skapa \u00f6rende"
3234 },
3235 {
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3237     "Text": "Studieaktivitet"
3238 },
3239 {
3240     "I18nNyckel": "systemaktivitet.examen.student.bifoga.bilaga.bevisarende",
3241     "Text": "Student-Bevis: Bifoga bilaga i ans\u00f6kan"
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3245     "Text": "Skapa"
3246 },
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3249     "Text": "Studiedeltagande: Ta bort flera f\u00f6rv\u00f6ntade deltaganden p\u00f6 kurstillf\u00f6lle
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3251 {
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3253     "Text": "Studentinformation: Hantera Ersatt identitet-\u00f6rende"
3254 },
3255 {
3256     "I18nNyckel": "kataloginformation.grunddatakategori.orsakavstangning.beskrivning",
3257     "Text": "Anger vilka fall av avst\u00f6ngningsbeslut som kan dokumenteras i Ladok."
3258 },
3259 {
3260     "I18nNyckel": "kataloginformation.grunddatakategori.undervisningstid.beskrivning",
3261     "Text": "Tid p\u00f6 dygnet, alternativt dagar under veckan, d\u00f6 undervisning huvudsakligen sker
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3263     {
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3265         "Text": "Referens"
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3269         "Text": "Utbildningsinformation: Skapa individuellt utbildningstillf\u00e4lle"
3270     },
3271     {
3272         "I18nNyckel": "commons.fel.detaljkod.atkomstkontroll",
3273         "Text": "\u00c5tkomstkontroll"
3274     },
3275     {
3276         "I18nNyckel": "systemaktivitet.studiedeltagande.las.anteckning",
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3278     },
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3281         "Text": "K\u00f6n"
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3283     {
3284         "I18nNyckel": "systemaktivitet.studiedeltagande.lagg_till_forvantat_deltagande_pa_fristaende_kurs_vi",
3285         "Text": "Studiedeltagande: L\u00e4gg till f\u00f6rv\u00e4ntat deltagande p\u00e5 frist\u00e5ende kurs"
3286     },
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3288         "I18nNyckel": "systemaktivitet.extintegration.visa.skapade.intyg",
3289         "Text": "Intyg: Visa skapade intyg"
3290     },
3291     {
3292         "I18nNyckel": "kataloginformation.grunddatakategori.huvudomradesgrupp.beskrivning",
3293         "Text": "Av SCB och UK\u00c4 (HSV) utarbetad gruppering av huvudomr\u00e5den med utg\u00e5ngspunkt i
3294     },
3295     {
3296         "I18nNyckel": "systemaktivitet.eduapi.core_readonly",
3297         "Text": "Eduapi: L\u00e4s eduapi-information"
3298     },
3299     {
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3302     },
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3305         "Text": "Till\u00e4t: Student f\u00f6r registrera p\u00e5 kurs"
3306     },
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3309         "Text": "Utbytesprogram"
3310     },
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3313     "Text": "Lokal signalering: Skicka signaler"
3314 },
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3317     "Text": "Konfiguration av auktorisering"
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3321     "Text": "\u00c4rendetyp"
3322 },
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3327 {
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3329     "Text": "\u00c4rendest\u00f6d: \u00c4ndra \u00e4rende (gammal l\u00f6sning)"
3330 },
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3333     "Text": "Ort"
3334 },
3335 {
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3337     "Text": "Signaldefinition"
3338 },
3339 {
3340     "I18nNyckel": "systemaktivitet.utbildningsinformation.administrera_attribut_som_ingar_i_plan",
3341     "Text": "Utbildningsinformation: Hantera attribut som ing\u00e5r i plan"
3342 },
3343 {
3344     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildning.tillpaborjad",
3345     "Text": "Utbildningsinformation: S\u00e4tt status p\u00e5 utbildning till p\u00e5b\u00f6rjad"
3346 },
3347 {
3348     "I18nNyckel": "systemaktivitet.extintegration.skapa.nationellt.resultatintyg.student",
3349     "Text": "Student-Intyg: Skapa nationellt resultatintyg"
3350 },
3351 {
3352     "I18nNyckel": "systemaktivitet.kataloginformation.behorighet.administrera.lokal.profil",
3353     "Text": "Beh\u00f6righetshantering: Hantera beh\u00f6righetsprofiler - lokal r\u00e4ttighetsniv\u00e5"
3354 },
3355 {
3356     "I18nNyckel": "systemaktivitet.studiedeltagande.skapa_forvantat_deltagande_for_flera_studenter.frist",
3357     "Text": "Studiedeltagande: L\u00e4gg till f\u00f6rv\u00e4ntat deltagande p\u00e5 frist\u00e5ende kurs"
3358 },
3359 {
3360     "I18nNyckel": "systemaktivitet.isp.lasa_information.student",
3361     "Text": "Student-Individuell studieplan: L\u00e4sa information"
3362 },

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3365         "Text": "Timmar"
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3367     {
3368         "I18nNyckel": "commons.domain.enhet.annanpoang",
3369         "Text": "Po\u00e4ng (annan utbildning)"
3370     },
3371     {
3372         "I18nNyckel": "kataloginformation.grunddatakategori.organisationskopplingstyp.beskrivning",
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3374     },
3375     {
3376         "I18nNyckel": "systemaktivitet.studentinformation.dokumentera.avskiljandebeslut",
3377         "Text": "Studentinformation: Dokumentera avskiljandebeslut"
3378     },
3379     {
3380         "I18nNyckel": "kataloginformation.grunddatakategori.nivainomstudieordning.beskrivning",
3381         "Text": "Anger p\u00e5 vilken niv\u00e5 en utbildning ligger inom en viss studieordning."
3382     },
3383     {
3384         "I18nNyckel": "systemaktivitet.examen.hantera.bevisarende",
3385         "Text": "Bevis: Hantera bevis\u00e4rende"
3386     },
3387     {
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3389         "Text": "Kungl. Musikh\u00f6gskolan i Stockholm"
3390     },
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3392         "I18nNyckel": "commons.fel.detaljkod.signal",
3393         "Text": "Signal"
3394     },
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3397         "Text": "Dokumentkonfiguration"
3398     },
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3401         "Text": "Utbildningsinformation: Hantera utbildningstillf\u00e4lle i status p\u00e5 b\u00f6rjad"
3402     },
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3405         "Text": "Utbytesstudier"
3406     },
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3410     },
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3414 },
3415 {
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3419 {
3420     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildningsmall.uppdatera.publicerad.lokal.lokal",
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3422 },
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3425     "Text": "Resultat: Vidimera annan merit\"
3426 },
3427 {
3428     "I18nNyckel": "commons.fel.detaljkod.preciseringsgrupperingstyp",
3429     "Text": "Preciseringsgrupperingstyp\"
3430 },
3431 {
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3433     "Text": "Beskrivning av urval till h\u00f6gskoleutbildning p\u00e5 grund- och avancerad niv\u00e5. K
3434 },
3435 {
3436     "I18nNyckel": "systemaktivitet.studiedeltagande.tillat_avbrottsdatum_tidigare_an_dagens_for_kurspake
3437     "Text": "Studiedeltagande: Dokumentera avbrott tidigare \u00e4n dagens datum f\u00f6r kurspaketering
3438 },
3439 {
3440     "I18nNyckel": "commons.fel.kategori.regelovertradelse",
3441     "Text": "Systemregel \u00f6vertr\u00e4ds\"
3442 },
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3445     "Text": "Studiedeltagande: Ta bort externt f\u00f6rv\u00e4ntat deltagande p\u00e5 kurspaketeringstil
3446 },
3447 {
3448     "I18nNyckel": "commons.domain.anvandare.atgard",
3449     "Text": "Anv\u00e4ndare\u00e5tg\u00e4rd\"
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3451 {
3452     "I18nNyckel": "systemaktivitet.templatetjanst.las",
3453     "Text": "Templatetj\u00e4nst: L\u00e4s\"
3454 },
3455 {
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3457     "Text": "Anv\u00e4ndarbeh\u00f6righet\"
3458 },
3459 {
3460     "I18nNyckel": "systemaktivitet.resultat.vidimera.merit.ratta_som_saknar_beroende",
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3462 },

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3469         "Text": "Extintegration: Extra l\u00e4saktivitet"
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3473         "Text": "Beh\u00f6righetshantering: Hantera beh\u00f6righetsprofiler - supportniv\u00e5"
3474     },
3475     {
3476         "I18nNyckel": "rattighetsniva.eduapi",
3477         "Text": "Eduapi"
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3479     {
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3481         "Text": "Kurskod"
3482     },
3483     {
3484         "I18nNyckel": "commons.domain.regel.ej.angiven.omfattning",
3485         "Text": "Ej angiven omfattning"
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3504         "I18nNyckel": "commons.domain.larosate.oru",
3505         "Text": "\u00d6rebro universitet"
3506     },
3507     {
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3510     },
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3512         "I18nNyckel": "commons.fel.grupp.association_saknas",

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3525     "Text": "Utbildningstyp"
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3529     "Text": "Processuppgiftsavslut"
3530 },
3531 {
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3537     "Text": "Processtatus"
3538 },
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3541     "Text": "Utbildningsinformation: Ta bort utbildning i status utkast"
3542 },
3543 {
3544     "I18nNyckel": "commons.domain.larosate.kkh",
3545     "Text": "Kungh. Konsth\u00f6gskolan"
3546 },
3547 {
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3549     "Text": "Examen: Bereda avslag"
3550 },
3551 {
3552     "I18nNyckel": "sg.avbrottpakurs",
3553     "Text": "Till\u00e4st: Student f\u00f6r g\u00f6ra avbrott p\u00e5 kurs"
3554 },
3555 {
3556     "I18nNyckel": "commons.domain.registreringsperiod",
3557     "Text": "Registreringsperiod"
3558 },
3559 {
3560     "I18nNyckel": "kataloginformation.grunddatakategori.planeringsomgang",
3561     "Text": "Planeringsomg\u00e5ng"
3562 },
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3565         "Text": "Obligatorisk"
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3569         "Text": "Individuell studieplan: Skapa individuell studieplan"
3570     },
3571     {
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3573         "Text": "Regel"
3574     },
3575     {
3576         "I18nNyckel": "commons.fel.grupp.auktorisering",
3577         "Text": "\u00c5tkomstkontroll"
3578     },
3579     {
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3585         "Text": "Anv\u00e4ndarnamn"
3586     },
3587     {
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3589         "Text": "Efternamn"
3590     },
3591     {
3592         "I18nNyckel": "systemaktivitet.utbildningsinformation.informationsbehorighet.alla.utbildningstyper",
3593         "Text": "Utbildningsinformation: Informationsbeh\u00f6righet - Alla utbildningstyper"
3594     },
3595     {
3596         "I18nNyckel": "systemaktivitet.utbildningsinformation.skapa_utbud_fran_forslag",
3597         "Text": "Utbudsomg\u00e5ng: Skapa utbud fr\u00e5n f\u00f6rslag"
3598     },
3599     {
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3601         "Text": "Studiedeltagande: Hantera \u00e5terbuds\u00e4rende vid s\u00f6kning (kompletterande)"
3602     },
3603     {
3604         "I18nNyckel": "kataloginformation.grunddatakategori.periodtypkategori.lokalt.definierad.och.faststal",
3605         "Text": "Lokalt definierad och fastst\u00e4lld period"
3606     },
3607     {
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3609         "Text": "Kurstillf\u00e4lle"
3610     },
3611     {
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3619 {
3620     "I18nNyckel": "kataloginformation.fel.detaljkod.systemaktivitet",
3621     "Text": "Systemaktivitet"
3622 },
3623 {
3624     "I18nNyckel": "resultat.arende.tg",
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3626 },
3627 {
3628     "I18nNyckel": "kataloginformation.fel.detaljkod.telefonnummer",
3629     "Text": "Telefonnummer"
3630 },
3631 {
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3633     "Text": "F\u00f6rnamn"
3634 },
3635 {
3636     "I18nNyckel": "systemaktivitet.studiedeltagande.las.student",
3637     "Text": "Student-Studiedeltagande: L\u00e4sa information"
3638 },
3639 {
3640     "I18nNyckel": "kataloginformation.grunddatakategori.forkunskapsniva.beskrivning",
3641     "Text": "Klassifikation av kurs med avseende p\u00e5 f\u00f6rkunskapskrav i \u00e4mnet, t.ex. 1-20 p
3642 },
3643 {
3644     "I18nNyckel": "systemaktivitet.avgiftshantering.lasa",
3645     "Text": "Studieavgifter: L\u00e4sa information"
3646 },
3647 {
3648     "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildningstillfalle.tillkomplett",
3649     "Text": "Utbildningsinformation: S\u00e4tt status p\u00e5 utbildningstillf\u00e4lle till komplett"
3650 },
3651 {
3652     "I18nNyckel": "commons.fel.kategori.tidsgrans",
3653     "Text": "Operationen tog f\u00f6r l\u00e5ng tid att utf\u00f6ra"
3654 },
3655 {
3656     "I18nNyckel": "systemaktivitet.resultat.las.rapporteringsrattigheter",
3657     "Text": "Resultat: L\u00e4sa rapporteringsr\u00e4ttigheter"
3658 },
3659 {
3660     "I18nNyckel": "commons.domain.utbildningstyp.inriktning",
3661     "Text": "Inriktning"
3662 },

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3663     {
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3665         "Text": "Regelv\u00e4rde"
3666     },
3667     {
3668         "I18nNyckel": "sg.visa.avslutadekurser",
3669         "Text": "Menyval: Avslutad utbildning"
3670     },
3671     {
3672         "I18nNyckel": "arendestod.handelse.meddelande.i_ansokan",
3673         "Text": "Meddelande i ans\u00f6kan"
3674     },
3675     {
3676         "I18nNyckel": "systemaktivitet.studiedeltagande.dokumentera_avklarad_kurspaketering",
3677         "Text": "Studiedeltagande: Dokumentera avklarad kurspaketering"
3678     },
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3680         "I18nNyckel": "commons.domain.personnummer",
3681         "Text": "Personnummer"
3682     },
3683     {
3684         "I18nNyckel": "kataloginformation.grunddatakategori.praktiktyp.beskrivning",
3685         "Text": "Kategorisering av praktik som m\u00f6jligg\u00f6r strukturerade s\u00f6kningar och sortering"
3686     },
3687     {
3688         "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildning.registervard",
3689         "Text": "Utbildningsinformation: Till\u00e4t normal registerv\u00e4rd f\u00f6r utbildning"
3690     },
3691     {
3692         "I18nNyckel": "commons.fel.detaljkod.autentiseringstyp",
3693         "Text": "Autentiseringstyp"
3694     },
3695     {
3696         "I18nNyckel": "systemaktivitet.studentinformation.lis_adapter",
3697         "Text": "Studentinformation: Hantera identitetsuppgifter via LIS-adaptern"
3698     },
3699     {
3700         "I18nNyckel": "systemaktivitet.processhantering.starta_process",
3701         "Text": "Processt\u00f6d: Starta process"
3702     },
3703     {
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3705         "Text": "Dokumentmall"
3706     },
3707     {
3708         "I18nNyckel": "commons.fel.detaljkod.fodelsedata",
3709         "Text": "F\u00f6delsedata"
3710     },
3711     {
3712         "I18nNyckel": "commons.fel.grupp.deserialisering",

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3713     "Text": "Deserialisering misslyckades"
3714 },
3715 {
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3757     "Text": "Sidinneh\u00e5ll: Visa tillgodor\u00e4knade delar"
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3790     },
3791     {
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3822 },
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3854 },
3855 {
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3871     {
3872         "I18nNyckel": "commons.fel.detaljkod.varde",
3873         "Text": "V\u00e4rde"
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3875     {
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3877         "Text": "Sidinneh\u00e5ll: Visa kommande kurser"
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3893         "Text": "Studentinformation: Hantera skyddade personuppgifter vid s\u00f6kning (kompletterande)"
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3901         "Text": "Menyval: Min utbildning"
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3910     },
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4022 },
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4049     "Text": "Undervisningstid"
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4093         "Text": "Utbildningsinformation: Ta bort utbildningstillf\u00e4lle i status utkast/p\u00e5b\u00f6rjad"
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4125     "Text": "Studiedeltagande: Kopiera registrering"
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4133     "Text": "Bevis: Ta bort utf\u00e4rdat bevis"
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4138 },
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4141     "Text": "Studentinformation: L\u00e5s information"
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4371     {
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4482     },
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4517     "Text": "Resultat: Avisera resultat p\u00e5 nytt"
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4538 },
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4541     "Text": "Kontaktuppgifter"
4542 },
4543 {
4544     "I18nNyckel": "commons.fel.detaljkod.las",
4545     "Text": "L\u00e4s"
4546 },
4547 {
4548     "I18nNyckel": "kataloginformation.grunddatakategori.larosatesinformation.beskrivning",
4549     "Text": "Information om utbildningsanordnare som anv\u00e4nder Ladok och som hanteras av den egna or
4550 },
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4553     "Text": "Avvecklad"
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4566     },
4567     {
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4573         "Text": "Synkron koppling mot studentregistret"
4574     },
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4578     },
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4594     },
4595     {
4596         "I18nNyckel": "systemaktivitet.studiedeltagande.ta.bort.registrering.efter.studieperiodens.slut.fler",
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4598     },
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4613     "Text": "Individuell studieplan: Ta bort p\u00e5g\u00e5ende version"
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4621     "Text": "Kan ha plan f\u00f6r utbildning"
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4753     "Text": "Organisationsenhetstyp"
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4819 {
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4829     "Text": "Studiedeltagande: Dokumentera avbrott tidigare \u00e4n dagens datum f\u00f6r kurs (komplett)"
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4857     "Text": "Utbildningsinformation: Till\u00e4t hantering av flera registreringsperioder (kompletterande)"
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4874     },
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4897         "Text": "\u00c4mnesklass"
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4922 },
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4937     "Text": "Verksamhetsroll"
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4973         "Text": "Underlagsspecificering"
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4981         "Text": "Skapa organisation"
4982     },
4983     {
4984         "I18nNyckel": "systemaktivitet.kataloginformationbehorighet.koppla.lokal.profil",
4985         "Text": "Beh\u00f6righetshantering: Koppla lokala beh\u00f6righetsprofiler till en anv\u00e4ndare"
4986     },
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4989         "Text": "Kataloginformation beh\u00f6righetsadministration: Allt - fullst\u00e4ndig lokal beh\u00f6righet"
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4993         "Text": "Ing\u00e5r i grupp: Informationsbeh\u00f6righet - Grund och avancerad niv\u00e5"
4994     },
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5022 },
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5030 },
5031 {
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5034 },
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5502     },
5503     {
5504         "I18nNyckel": "commons.domain.student.namn",
5505         "Text": "Namn"
5506     },
5507     {
5508         "I18nNyckel": "systemaktivitet.examen.hantera.resultatintyg.student",
5509         "Text": "Student-Examen: H\u00e5mta eget resultatintyg"
5510     },
5511     {
5512         "I18nNyckel": "sakerhetsniva.4",

```

```
5513     "Text": "SWAMID AL2-MFA-HI (ska ej anv\u00e4ndas)"
5514 },
5515 {
5516     "I18nNyckel": "systemfunktion.id.10054",
5517     "Text": "Spara \u00e4mnesklass p\u00e5 lokal niv\u00e5"
5518 },
5519 {
5520     "I18nNyckel": "sakerhetsniva.5",
5521     "Text": "SWAMID AL3"
5522 },
5523 {
5524     "I18nNyckel": "systemfunktion.id.10055",
5525     "Text": "Spara \u00e4mnesklass p\u00e5 nationell niv\u00e5"
5526 },
5527 {
5528     "I18nNyckel": "systemaktivitet.arendestod.hantera.bilagor",
5529     "Text": "\u00c4rendest\u00f6d: Hantera bilagor (gamla l\u00f6sning)"
5530 },
5531 {
5532     "I18nNyckel": "systemaktivitet.resultat.administrera_resultatrapportorer",
5533     "Text": "Resultat: Administrera resultatrapport\u00f6rer"
5534 },
5535 {
5536     "I18nNyckel": "sakerhetsniva.2",
5537     "Text": "L\u00f6senordsinloggning"
5538 },
5539 {
5540     "I18nNyckel": "systemfunktion.id.10056",
5541     "Text": "Spara typ av extern part p\u00e5 nationell niv\u00e5"
5542 },
5543 {
5544     "I18nNyckel": "sakerhetsniva.3",
5545     "Text": "SWAMID AL2"
5546 },
5547 {
5548     "I18nNyckel": "kataloginformation.grunddatakategori.utbildningsform",
5549     "Text": "Utbildningsform"
5550 },
5551 {
5552     "I18nNyckel": "systemfunktion.id.10057",
5553     "Text": "Spara externpart p\u00e5 lokal niv\u00e5"
5554 },
5555 {
5556     "I18nNyckel": "systemfunktion.id.10050",
5557     "Text": "Spara f\u00f6rdjupningsniv\u00e5 p\u00e5 lokal niv\u00e5"
5558 },
5559 {
5560     "I18nNyckel": "commons.domain.regel.utbildningstypsgrupp.yh.utbildning",
5561     "Text": "YH-Utbildning"
5562 },
```



```
5563 {
5564   "I18nNyckel": "systemfunktion.id.10051",
5565   "Text": "Spara f\u00f6rdjupningsniv\u00e5 p\u00e5 nationell niv\u00e5"
5566 },
5567 {
5568   "I18nNyckel": "arendestod.notering.behandlas",
5569   "Text": "\u00c4rendets behandling p\u00e5b\u00f6rjad"
5570 },
5571 {
5572   "I18nNyckel": "systemaktivitet.utbildningsinformation.skapa_plan_for_utbildning",
5573   "Text": "Utbildningsinformation: Skapa och \u00e4ndra plan f\u00f6r utbildning"
5574 },
5575 {
5576   "I18nNyckel": "systemaktivitet.common.basbehorighet",
5577   "Text": "Common: basbeh\u00f6righet f\u00f6r att anv\u00e4nda systemet"
5578 },
5579 {
5580   "I18nNyckel": "commons.domain.regel.utbildningstypsgrupp.forskarutbildning",
5581   "Text": "Forskarniv\u00e5"
5582 },
5583 {
5584   "I18nNyckel": "systemfunktion.id.10058",
5585   "Text": "Spara externpart p\u00e5 nationell niv\u00e5"
5586 },
5587 {
5588   "I18nNyckel": "commons.domain.utbildningstillfallestyp.programtillfalle",
5589   "Text": "Programtillf\u00e4lle"
5590 },
5591 {
5592   "I18nNyckel": "systemfunktion.id.10059",
5593   "Text": "Spara successiv f\u00f6rdjupning p\u00e5 lokal niv\u00e5"
5594 },
5595 {
5596   "I18nNyckel": "systemaktivitet.examen.bevisunderlag.ratta_andra_namn_endast_i_bevis",
5597   "Text": "Bevis: R\u00e4tta/\u00e4ndra students namn endast i utf\u00e4rdat bevis"
5598 },
5599 {
5600   "I18nNyckel": "commons.domain.larosate.hs",
5601   "Text": "H\u00f6gskolan i Sk\u00f6vde"
5602 },
5603 {
5604   "I18nNyckel": "systemaktivitet.studiedeltagande.dokumentera_avbrott_pa_kurs",
5605   "Text": "Studiedeltagande: Dokumentera avbrott p\u00e5 kurs"
5606 },
5607 {
5608   "I18nNyckel": "commons.domain.larosate.hv",
5609   "Text": "H\u00f6gskolan V\u00e4st"
5610 },
5611 {
5612   "I18nNyckel": "kataloginformation.grunddatakategori.utbildningstyp.beskrivning",
```

```
5613     "Text": "De olika utbildnings- och utbildningstillf\u00e4llesobjekt som kan ing\u00e5 i en utbildning",
5614 },
5615 {
5616     "I18nNyckel": "systemaktivitet.isp.soka_isp",
5617     "Text": "Individuell studieplan: S\u00f6ka individuell studieplan"
5618 },
5619 {
5620     "I18nNyckel": "systemaktivitet.resultat.attestera_tillgodoraknande.helkurs",
5621     "Text": "Tillgodor\u00e4knande: Attestera tillgodor\u00e4knande, hel kurs"
5622 },
5623 {
5624     "I18nNyckel": "systemfunktion.id.10060",
5625     "Text": "Spara successiv f\u00f6rdjupning p\u00e5 nationell niv\u00e5"
5626 },
5627 {
5628     "I18nNyckel": "systemaktivitet.kataloginformation.organisation.skriv",
5629     "Text": "Kataloginformation: Hantera l\u00e4ros\u00e4tets organisationsstruktur"
5630 },
5631 {
5632     "I18nNyckel": "kataloginformation.grunddatakategori.schac",
5633     "Text": "Webbdom\u00e4n enligt SCHAC"
5634 },
5635 {
5636     "I18nNyckel": "systemaktivitet.studiedeltagande.tillat_registrering_utanfor_registreringsperiod",
5637     "Text": "Studiedeltagande: Registrera efter passerad studieperiod (kompletterande)"
5638 },
5639 {
5640     "I18nNyckel": "commons.domain.regel.sjalvstandig",
5641     "Text": "Sj\u00e4lvst\u00e4ndig"
5642 },
5643 {
5644     "I18nNyckel": "systemfunktion.id.10065",
5645     "Text": "Spara lokalm\u00e4rkning p\u00e5 lokal niv\u00e5"
5646 },
5647 {
5648     "I18nNyckel": "systemaktivitet.examen.se.andringslogg.bevis",
5649     "Text": "Bevis: L\u00e4sa \u00e4ndringslogg"
5650 },
5651 {
5652     "I18nNyckel": "systemfunktion.id.10066",
5653     "Text": "Spara studiefinansiering p\u00e5 nationell niv\u00e5"
5654 },
5655 {
5656     "I18nNyckel": "systemfunktion.id.10067",
5657     "Text": "Spara studiefinansiering p\u00e5 lokal niv\u00e5"
5658 },
5659 {
5660     "I18nNyckel": "systemfunktion.id.10068",
5661     "Text": "Spara nationell examensgrupp"
5662 },
```

```

5663     {
5664         "I18nNyckel": "systemfunktion.id.10061",
5665         "Text": "Spara studielokalisering p\u000e5 lokal niv\u000e5"
5666     },
5667     {
5668         "I18nNyckel": "systemfunktion.id.10062",
5669         "Text": "Spara enhet p\u000e5 nationell niv\u000e5"
5670     },
5671     {
5672         "I18nNyckel": "systemfunktion.id.10063",
5673         "Text": "Spara utbytesprogram p\u000e5 nationell niv\u000e5"
5674     },
5675     {
5676         "I18nNyckel": "systemfunktion.id.10064",
5677         "Text": "Spara utbytesprogram p\u000e5 lokal niv\u000e5"
5678     },
5679     {
5680         "I18nNyckel": "systemaktivitet.arendestod.hantera.arend.avliden.vid.sokning",
5681         "Text": "Studentinformation: Hantera avliden\u000e4rende vid s\u000f6kning (kompletterande)"
5682     },
5683     {
5684         "I18nNyckel": "arendestod.fel.detaljkod.tilldela",
5685         "Text": "Tilldela"
5686     },
5687     {
5688         "I18nNyckel": "systemfunktion.id.10069",
5689         "Text": "Spara undervisningsspr\u000e5k p\u000e5 nationell niv\u000e5"
5690     },
5691     {
5692         "I18nNyckel": "kataloginformation.grunddatakategori.nationellmallforperiod",
5693         "Text": "Nationell mall f\u000f6r period"
5694     },
5695     {
5696         "I18nNyckel": "systemaktivitet.utbildningsinformation.makulera_litteraturlista",
5697         "Text": "Utbildningsinformation: Makulera litteraturlista"
5698     },
5699     {
5700         "I18nNyckel": "systemaktivitet.extintegration.emil_lasaktivitet",
5701         "Text": "Extintegration: EMIL l\u000e4saktivitet"
5702     },
5703     {
5704         "I18nNyckel": "systemaktivitet.processhantering.processdeltagare",
5705         "Text": "Processt\u000f6d: Processdeltagare"
5706     },
5707     {
5708         "I18nNyckel": "systemaktivitet.kataloginformation.grunddata.administrera.lokal",
5709         "Text": "Kataloginformation: Hantera grunddata - lokal r\u000e4ttighetsniv\u000e5"
5710     },
5711     {
5712         "I18nNyckel": "systemaktivitet.kataloginformationbehorighet.anvandare.skriv",

```

```

5713     "Text": "Beh\u00f6righetshantering: Hantera anv\u00e4ndare - lokal r\u00e4ttighetsniv\u00e5"
5714 },
5715 {
5716     "I18nNyckel": "systemaktivitet.studiedeltagande.hamta.intyg.over.forvantat.deltagande",
5717     "Text": "Studieintyg: H\u00e4mta intyg \u00f6ver f\u00f6rv\u00e4ntat deltagande"
5718 },
5719 {
5720     "I18nNyckel": "systemaktivitet.avgiftshantering.hantera_konfiguration",
5721     "Text": "Studieavgifter: Hantera inst\u00e4llningar"
5722 },
5723 {
5724     "I18nNyckel": "commons.domain.studieperiod",
5725     "Text": "Studieperiod"
5726 },
5727 {
5728     "I18nNyckel": "kataloginformation.grunddatakategori.undervisningsform",
5729     "Text": "Undervisningsform"
5730 },
5731 {
5732     "I18nNyckel": "systemaktivitet.studiedeltagande.pingintegration_lasa_ej_paborjade_tillfallesantagning",
5733     "Text": "Studiedeltagande: Pingintegration l\u00e5s ej p\u00e5b\u00f6rjade tillf\u00e4llesantagning"
5734 },
5735 {
5736     "I18nNyckel": "arendestod.bevisarende.notering.bevismetadata_andrad",
5737     "Text": "Val av bevis \u00e4ndrat"
5738 },
5739 {
5740     "I18nNyckel": "kataloginformation.grunddatakategori.utlandsk.ort.beskrivning",
5741     "Text": "Geografisk plats utanf\u00f6r Sverige med eget namn."
5742 },
5743 {
5744     "I18nNyckel": "systemfunktion.id.10071",
5745     "Text": "Spara organisationsenhetstyp p\u00e5 nationell niv\u00e5"
5746 },
5747 {
5748     "I18nNyckel": "systemaktivitet.examen.administrera.lokal.installning.modul.i.bevis",
5749     "Text": "Bevis: Hantera inst\u00e4llningar f\u00f6r moduler i bevis"
5750 },
5751 {
5752     "I18nNyckel": "systemaktivitet.studiedeltagande.sparra_kurspaketeringstillfalle",
5753     "Text": "Studiedeltagande: Hantera sp\u00e4rr p\u00e5 kurspaketeringstillf\u00e4lle"
5754 },
5755 {
5756     "I18nNyckel": "systemaktivitet.resultat.las.attesteringsrattigheter",
5757     "Text": "Resultat: L\u00e5s attesteringsr\u00e4ttigheter"
5758 },
5759 {
5760     "I18nNyckel": "arendestod.fel.detaljkod.handlaggare",
5761     "Text": "Handl\u00e4ggare"
5762 },

```

```

5763     {
5764         "I18nNyckel": "systemfunktion.id.10076",
5765         "Text": "Spara utbildningsregel p\u000e5 nationell niv\u000e5"
5766     },
5767     {
5768         "I18nNyckel": "systemfunktion.id.10077",
5769         "Text": "Spara orsak till ej avgitsskyldig p\u000e5 nationell niv\u000e5"
5770     },
5771     {
5772         "I18nNyckel": "systemaktivitet.utbildningsinformation.utbildning.tillkomplett",
5773         "Text": "Utbildningsinformation: S\u000e4tt status p\u000e5 utbildning till komplett"
5774     },
5775     {
5776         "I18nNyckel": "systemfunktion.id.10078",
5777         "Text": "Spara orsak till avst\u000e4ngning p\u000e5 nationell niv\u000e5"
5778     },
5779     {
5780         "I18nNyckel": "commons.domain.larosate.cth",
5781         "Text": "Chalmers tekniska h\u000f6gskola"
5782     },
5783     {
5784         "I18nNyckel": "systemfunktion.id.10079",
5785         "Text": "Spara tj\u000e4nstekonfigurationsobjekt p\u000e5 lokal niv\u000e5"
5786     },
5787     {
5788         "I18nNyckel": "systemaktivitet.examen.massutfarda.kursbevis",
5789         "Text": "Bevis: Massutf\u000e4rda kursbevis"
5790     },
5791     {
5792         "I18nNyckel": "systemaktivitet.studiedeltagande.las.dokumenteradebeslut",
5793         "Text": "Studiedeltagande: L\u000e4sa dokumenterade beslut"
5794     },
5795     {
5796         "I18nNyckel": "systemfunktion.id.10073",
5797         "Text": "Spara konfiguration av autentisering p\u000e5 lokal niv\u000e5"
5798     },
5799     {
5800         "I18nNyckel": "systemaktivitet.utbildningsinformation.redigera_publicerade_attrIBUTVARDEN_I_PLAN",
5801         "Text": "Utbildningsinformation: Redigera publicerade attributv\u000e4rden i plan"
5802     },
5803     {
5804         "I18nNyckel": "systemfunktion.id.10074",
5805         "Text": "H\u000e4mta konfiguration av autentisering p\u000e5 lokal niv\u000e5"
5806     },
5807     {
5808         "I18nNyckel": "commons.domain.enhet.veckor",
5809         "Text": "Veckor"
5810     }
5811 ]
5812 }

```

## 20.6 svenskorter\_JSON

855a *<LadokSession data methods 95c>+≡*

```
# added by GQMjr
def svenskorter_JSON(self):
    """
    Returns a dictionary of Swedish places with their KommunID.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/svenskort',
        headers=self.headers).json()
    return r
```

Let's add a test. This should return a dictionary.

855b *<test functions 99b>+≡*

```
def test_svenskorter_JSON():
    r = ladok.svenskorter_JSON()
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```
1 {
2   "SvenskOrt": [
3     {
4       "Benamning": {
5         "sv": "Storfors",
6         "en": "Storfors"
7       },
8       "Beskrivning": {},
9       "Dolt": false,
10      "Giltighetsperiod": {},
11      "ID": "217",
12      "Kod": "T5812",
13      "KommunID": "187",
14      "LarosateID": -1
15    },
16    {
17      "Benamning": {
18        "sv": "Stockholm (Sundbyberg)",
19        "en": "Stockholm (Sundbyberg)"
20      },
21      "Beskrivning": {},
22      "Dolt": false,
23      "Giltighetsperiod": {},
24      "ID": "24",
25      "Kod": "L0183",
26      "KommunID": "20",
27      "LarosateID": -1
28    },
29    {
```

```

30     "Benamning": {
31         "sv": "Stockholm (Solna)",
32         "en": "Stockholm (Solna)"
33     },
34     "Beskrivning": {},
35     "Dolt": false,
36     "Giltighetsperiod": {},
37     "ID": "25",
38     "Kod": "L0184",
39     "KommunID": "21",
40     "LarosateID": -1
41 },
42 {
43     "Benamning": {
44         "sv": "Liding\u00f6",
45         "en": "Liding\u00f6"
46     },
47     "Beskrivning": {},
48     "Dolt": false,
49     "Giltighetsperiod": {},
50     "ID": "26",
51     "Kod": "T0228",
52     "KommunID": "22",
53     "LarosateID": -1
54 },
55 {
56     "Benamning": {
57         "sv": "Vaxholm",
58         "en": "Vaxholm"
59     },
60     "Beskrivning": {},
61     "Dolt": false,
62     "Giltighetsperiod": {},
63     "ID": "27",
64     "Kod": "T0392",
65     "KommunID": "23",
66     "LarosateID": -1
67 },
68 {
69     "Benamning": {
70         "sv": "Norrt\u00e4lje",
71         "en": "Norrt\u00e4lje"
72     },
73     "Beskrivning": {},
74     "Dolt": false,
75     "Giltighetsperiod": {},
76     "ID": "28",
77     "Kod": "T0252",
78     "KommunID": "24",
79     "LarosateID": -1

```

```

80     },
81     {
82         "Benamning": {
83             "sv": "M\u00e4rsta",
84             "en": "M\u00e4rsta"
85         },
86         "Beskrivning": {},
87         "Dolt": false,
88         "Giltighetsperiod": {},
89         "ID": "29",
90         "Kod": "T0240",
91         "KommunID": "25",
92         "LarosateID": -1
93     },
94     {
95         "Benamning": {
96             "sv": "Rosersberg",
97             "en": "Rosersberg"
98         },
99         "Beskrivning": {},
100        "Dolt": false,
101        "Giltighetsperiod": {},
102        "ID": "30",
103        "Kod": "T0284",
104        "KommunID": "25",
105        "LarosateID": -1
106    },
107    {
108        "Benamning": {
109            "sv": "Sigtuna",
110            "en": "Sigtuna"
111        },
112        "Beskrivning": {},
113        "Dolt": false,
114        "Giltighetsperiod": {},
115        "ID": "31",
116        "Kod": "T0300",
117        "KommunID": "25",
118        "LarosateID": -1
119    },
120    {
121        "Benamning": {
122            "sv": "Nyn\u00e4shamn",
123            "en": "Nyn\u00e4shamn"
124        },
125        "Beskrivning": {},
126        "Dolt": false,
127        "Giltighetsperiod": {},
128        "ID": "32",
129        "Kod": "T0264",

```



```
130     "KommunID": "26",
131     "LarosateID": -1
132 },
133 {
134     "Benamning": {
135         "sv": "\u00d6smo",
136         "en": "\u00d6smo"
137     },
138     "Beskrivning": {},
139     "Dolt": false,
140     "Giltighetsperiod": {},
141     "ID": "33",
142     "Kod": "T0420",
143     "KommunID": "26",
144     "LarosateID": -1
145 },
146 {
147     "Benamning": {
148         "sv": "B\u00e5lsta",
149         "en": "B\u00e5lsta"
150     },
151     "Beskrivning": {},
152     "Dolt": false,
153     "Giltighetsperiod": {},
154     "ID": "34",
155     "Kod": "T0520",
156     "KommunID": "27",
157     "LarosateID": -1
158 },
159 {
160     "Benamning": {
161         "sv": "Skutsk\u00e4r",
162         "en": "Skutsk\u00e4r"
163     },
164     "Beskrivning": {},
165     "Dolt": false,
166     "Giltighetsperiod": {},
167     "ID": "35",
168     "Kod": "T0616",
169     "KommunID": "28",
170     "LarosateID": -1
171 },
172 {
173     "Benamning": {
174         "sv": "Heby",
175         "en": "Heby"
176     },
177     "Beskrivning": {},
178     "Dolt": false,
179     "Giltighetsperiod": {},
```

```
180     "ID": "36",
181     "Kod": "T6232",
182     "KommunID": "30",
183     "LarosateID": -1
184 },
185 {
186     "Benamning": {
187         "sv": "Tierp",
188         "en": "Tierp"
189     },
190     "Beskrivning": {},
191     "Dolt": false,
192     "Giltighetsperiod": {},
193     "ID": "37",
194     "Kod": "T0640",
195     "KommunID": "31",
196     "LarosateID": -1
197 },
198 {
199     "Benamning": {
200         "sv": "Uppsala",
201         "en": "Uppsala"
202     },
203     "Beskrivning": {},
204     "Dolt": false,
205     "Giltighetsperiod": {},
206     "ID": "38",
207     "Kod": "T0656",
208     "KommunID": "32",
209     "LarosateID": -1
210 },
211 {
212     "Benamning": {
213         "sv": "Enk\u00f6ping",
214         "en": "Enk\u00f6ping"
215     },
216     "Beskrivning": {},
217     "Dolt": false,
218     "Giltighetsperiod": {},
219     "ID": "39",
220     "Kod": "T0532",
221     "KommunID": "33",
222     "LarosateID": -1
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227         "en": "Gimo"
228     },
229     "Beskrivning": {},
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235     "LarosateID": -1
236 },
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240         "en": "\u00d6sthammar"
241     },
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243     "Dolt": false,
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254     },
255     "Beskrivning": {},
256     "Dolt": false,
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261     "LarosateID": -1
262 },
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266         "en": "Gnesta"
267     },
268     "Beskrivning": {},
269     "Dolt": false,
270     "Giltighetsperiod": {},
271     "ID": "43",
272     "Kod": "T0752",
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274     "LarosateID": -1
275 },
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279         "en": "Nyk\u00f6ping"

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282     "Dolt": false,
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285     "Kod": "T0812",
286     "KommunID": "37",
287     "LarosateID": -1
288 },
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290     "Benamning": {
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292         "en": "0xel\u00f6sund"
293     },
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301 },
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305         "en": "Flen"
306     },
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308     "Dolt": false,
309     "Giltighetsperiod": {},
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311     "Kod": "T0744",
312     "KommunID": "39",
313     "LarosateID": -1
314 },
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317         "sv": "Malmk\u00f6ping",
318         "en": "Malmk\u00f6ping"
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320     "Beskrivning": {},
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332 },
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334 "Dolt": false,
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336 "ID": "48",
337 "Kod": "T0784",
338 "KommunID": "40",
339 "LarosateID": -1
340 },
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345     },
346     "Beskrivning": {},
347     "Dolt": false,
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350     "Kod": "T0740",
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357         "en": "Torsh\u00e4lla"
358     },
359     "Beskrivning": {},
360     "Dolt": false,
361     "Giltighetsperiod": {},
362     "ID": "50",
363     "Kod": "T0880",
364     "KommunID": "41",
365     "LarosateID": -1
366 },
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368     "Benamning": {
369         "sv": "Mariefred",
370         "en": "Mariefred"
371     },
372     "Beskrivning": {},
373     "Dolt": false,
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375     "ID": "51",
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377     "KommunID": "42",
378     "LarosateID": -1
379 },
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383             "en": "Str\u00e4ngn\u00e4s"
384         },
385         "Beskrivning": {},
386         "Dolt": false,
387         "Giltighetsperiod": {},
388         "ID": "52",
389         "Kod": "T0868",
390         "KommunID": "42",
391         "LarosateID": -1
392     },
393     {
394         "Benamning": {
395             "sv": "Trosa",
396             "en": "Trosa"
397         },
398         "Beskrivning": {},
399         "Dolt": false,
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408             "sv": "Vagn\u00e4r",
409             "en": "Vagn\u00e4r"
410         },
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416         "KommunID": "43",
417         "LarosateID": -1
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420         "Benamning": {
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422             "en": "\u00d6desh\u00f6g"
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424         "Beskrivning": {},
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427         "ID": "55",
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435         "en": "Kisa"
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438     "Dolt": false,
439     "Giltighetsperiod": {},
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441     "Kod": "T1132",
442     "KommunID": "46",
443     "LarosateID": -1
444 },
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446     "Benamning": {
447         "sv": "Boxholm",
448         "en": "Boxholm"
449     },
450     "Beskrivning": {},
451     "Dolt": false,
452     "Giltighetsperiod": {},
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456     "LarosateID": -1
457 },
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459     "Benamning": {
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461         "en": "\u00c5tvidaberg"
462     },
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464     "Dolt": false,
465     "Giltighetsperiod": {},
466     "ID": "58",
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468     "KommunID": "48",
469     "LarosateID": -1
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474         "en": "Finsp\u00e5ng"
475     },
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477     "Dolt": false,
478     "Giltighetsperiod": {},
479     "ID": "59",

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481     "KommunID": "49",
482     "LarosateID": -1
483 },
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487         "en": "Valdemarsvik"
488     },
489     "Beskrivning": {},
490     "Dolt": false,
491     "Giltighetsperiod": {},
492     "ID": "60",
493     "Kod": "T1304",
494     "KommunID": "50",
495     "LarosateID": -1
496 },
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500         "en": "Link\u00f6ping"
501     },
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503     "Dolt": false,
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509 },
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511     "Benamning": {
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513         "en": "Ljungsbro"
514     },
515     "Beskrivning": {},
516     "Dolt": false,
517     "Giltighetsperiod": {},
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519     "Kod": "T1160",
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521     "LarosateID": -1
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524     "Benamning": {
525         "sv": "Norrk\u00f6ping",
526         "en": "Norrk\u00f6ping"
527     },
528     "Beskrivning": {},
529     "Dolt": false,
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533     "KommunID": "52",
534     "LarosateID": -1
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536 {
537     "Benamning": {
538         "sv": "S\u00f6derk\u00f6ping",
539         "en": "S\u00f6derk\u00f6ping"
540     },
541     "Beskrivning": {},
542     "Dolt": false,
543     "Giltighetsperiod": {},
544     "ID": "64",
545     "Kod": "T1284",
546     "KommunID": "53",
547     "LarosateID": -1
548 },
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550     "Benamning": {
551         "sv": "Motala",
552         "en": "Motala"
553     },
554     "Beskrivning": {},
555     "Dolt": false,
556     "Giltighetsperiod": {},
557     "ID": "65",
558     "Kod": "T1188",
559     "KommunID": "54",
560     "LarosateID": -1
561 },
562 {
563     "Benamning": {
564         "sv": "Vadstena",
565         "en": "Vadstena"
566     },
567     "Beskrivning": {},
568     "Dolt": false,
569     "Giltighetsperiod": {},
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571     "Kod": "T1300",
572     "KommunID": "55",
573     "LarosateID": -1
574 },
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578         "en": "Mj\u00f6lby"
579     },
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586     "LarosateID": -1
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591         "en": "Sk\u00e4nninge"
592     },
593     "Beskrivning": {},
594     "Dolt": false,
595     "Giltighetsperiod": {},
596     "ID": "68",
597     "Kod": "T1244",
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599     "LarosateID": -1
600 },
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602     "Benamning": {
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604         "en": "Aneby"
605     },
606     "Beskrivning": {},
607     "Dolt": false,
608     "Giltighetsperiod": {},
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611     "KommunID": "57",
612     "LarosateID": -1
613 },
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615     "Benamning": {
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617         "en": "Gnosj\u00f6"
618     },
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624     "KommunID": "58",
625     "LarosateID": -1
626 },
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628     "Benamning": {
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631   },
632   "Beskrivning": {},
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638   "LarosateID": -1
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642     "sv": "Habo",
643     "en": "Habo"
644   },
645   "Beskrivning": {},
646   "Dolt": false,
647   "Giltighetsperiod": {},
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649   "Kod": "T5284",
650   "KommunID": "60",
651   "LarosateID": -1
652 },
653 {
654   "Benamning": {
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656     "en": "Anderstorp"
657   },
658   "Beskrivning": {},
659   "Dolt": false,
660   "Giltighetsperiod": {},
661   "ID": "73",
662   "Kod": "T1400",
663   "KommunID": "61",
664   "LarosateID": -1
665 },
666 {
667   "Benamning": {
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669     "en": "Gislaved"
670   },
671   "Beskrivning": {},
672   "Dolt": false,
673   "Giltighetsperiod": {},
674   "ID": "74",
675   "Kod": "T1484",
676   "KommunID": "61",
677   "LarosateID": -1
678 },
679 {
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682         "en": "Vaggeryd"
683     },
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688     "Kod": "T1720",
689     "KommunID": "62",
690     "LarosateID": -1
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693     "Benamning": {
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695         "en": "Gr\u00e4nna"
696     },
697     "Beskrivning": {},
698     "Dolt": false,
699     "Giltighetsperiod": {},
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702     "KommunID": "63",
703     "LarosateID": -1
704 },
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706     "Benamning": {
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708         "en": "J\u00f6nk\u00f6ping"
709     },
710     "Beskrivning": {},
711     "Dolt": false,
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713     "ID": "77",
714     "Kod": "T1544",
715     "KommunID": "63",
716     "LarosateID": -1
717 },
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721         "en": "N\u00e4ssj\u00f6"
722     },
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724     "Dolt": false,
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726     "ID": "78",
727     "Kod": "T1608",
728     "KommunID": "64",
729     "LarosateID": -1

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734             "en": "V\u00e4rnamo"
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736         "Beskrivning": {},
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745         "Benamning": {
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747             "en": "S\u00e4vsj\u00f6"
748         },
749         "Beskrivning": {},
750         "Dolt": false,
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752         "ID": "80",
753         "Kod": "T1688",
754         "KommunID": "66",
755         "LarosateID": -1
756     },
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758         "Benamning": {
759             "sv": "Vetlanda",
760             "en": "Vetlanda"
761         },
762         "Beskrivning": {},
763         "Dolt": false,
764         "Giltighetsperiod": {},
765         "ID": "81",
766         "Kod": "T1724",
767         "KommunID": "67",
768         "LarosateID": -1
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773             "en": "Eksj\u00f6"
774         },
775         "Beskrivning": {},
776         "Dolt": false,
777         "Giltighetsperiod": {},
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786         "en": "Tran\u00e5s"
787     },
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789     "Dolt": false,
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793     "KommunID": "69",
794     "LarosateID": -1
795 },
796 {
797     "Benamning": {
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799         "en": "\u00c5seda"
800     },
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802     "Dolt": false,
803     "Giltighetsperiod": {},
804     "ID": "84",
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806     "KommunID": "70",
807     "LarosateID": -1
808 },
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812         "en": "Lessebo"
813     },
814     "Beskrivning": {},
815     "Dolt": false,
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821 },
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825         "en": "Tingsryd"
826     },
827     "Beskrivning": {},
828     "Dolt": false,
829     "Giltighetsperiod": {},
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833     "LarosateID": -1
834 },
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838         "en": "Alvesta"
839     },
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841     "Dolt": false,
842     "Giltighetsperiod": {},
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844     "Kod": "T1808",
845     "KommunID": "73",
846     "LarosateID": -1
847 },
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851         "en": "\u00c4lmhult"
852     },
853     "Beskrivning": {},
854     "Dolt": false,
855     "Giltighetsperiod": {},
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857     "Kod": "T2048",
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860 },
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864         "en": "Markaryd"
865     },
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872     "LarosateID": -1
873 },
874 {
875     "Benamning": {
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877         "en": "Str\u00f6msn\u00e4sbruk"
878     },
879     "Beskrivning": {},
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885     "LarosateID": -1
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890         "en": "V\u00e4xj\u00f6"
891     },
892     "Beskrivning": {},
893     "Dolt": false,
894     "Giltighetsperiod": {},
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897     "KommunID": "76",
898     "LarosateID": -1
899 },
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903         "en": "Ljungby"
904     },
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907     "Giltighetsperiod": {},
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910     "KommunID": "77",
911     "LarosateID": -1
912 },
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916         "en": "H\u00f6gsby"
917     },
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919     "Dolt": false,
920     "Giltighetsperiod": {},
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922     "Kod": "T2264",
923     "KommunID": "78",
924     "LarosateID": -1
925 },
926 {
927     "Benamning": {
928         "sv": "Tors\u00e5s",
929         "en": "Tors\u00e5s"

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936     "KommunID": "79",
937     "LarosateID": -1
938 },
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940     "Benamning": {
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942         "en": "F\u00e4rjestaden"
943     },
944     "Beskrivning": {},
945     "Dolt": false,
946     "Giltighetsperiod": {},
947     "ID": "95",
948     "Kod": "T2208",
949     "KommunID": "80",
950     "LarosateID": -1
951 },
952 {
953     "Benamning": {
954         "sv": "M\u00f6rbyl\u00e5nga",
955         "en": "M\u00f6rbyl\u00e5nga"
956     },
957     "Beskrivning": {},
958     "Dolt": false,
959     "Giltighetsperiod": {},
960     "ID": "96",
961     "Kod": "T2344",
962     "KommunID": "80",
963     "LarosateID": -1
964 },
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967         "sv": "Hultsfred",
968         "en": "Hultsfred"
969     },
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971     "Dolt": false,
972     "Giltighetsperiod": {},
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974     "Kod": "T2260",
975     "KommunID": "81",
976     "LarosateID": -1
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980     "sv": "Virserum",
981     "en": "Virserum"
982 },
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984 "Dolt": false,
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988 "KommunID": "81",
989 "LarosateID": -1
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994     "en": "M\u00f6nster\u00e5s"
995   },
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1003 },
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1021   },
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1034         },
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1046             "en": "Oskarshamn"
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1049         "Dolt": false,
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1059             "en": "Gamleby"
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1072             "en": "V\u00e4stervik"
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1074         "Beskrivning": {},
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1077         "ID": "105",
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1081 },
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1085         "en": "Vimmerby"
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1087     "Beskrivning": {},
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1112     },
1113     "Beskrivning": {},
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1118     "KommunID": "90",
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1124         "en": "Ölofstr\u00f6m"
1125     },
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1127     "Dolt": false,
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1150         "en": "Ronneby"
1151     },
1152     "Beskrivning": {},
1153     "Dolt": false,
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1171     "LarosateID": -1
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1176         "en": "S\u00f6lvesborg"
1177     },
1178     "Beskrivning": {},
1179     "Dolt": false,

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1227         "sv": "Arl\u00f6v",
1228         "en": "Arl\u00f6v"
1229     },
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1254         "en": "H\u00f6llviken"
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1268     },
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1293         "en": "Broby"
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1306         "en": "Knislinge"
1307     },
1308     "Beskrivning": {},
1309     "Dolt": false,
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1319         "en": "\u00d6rkelljunga"
1320     },
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1322     "Dolt": false,
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1325     "Kod": "T3208",
1326     "KommunID": "101",
1327     "LarosateID": -1
1328 },
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1333     },
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1339     "KommunID": "102",
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1345         "en": "K\u00e4vlinge"
1346     },
1347     "Beskrivning": {},
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1353     "LarosateID": -1
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1356     "Benamning": {
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1358         "en": "L\u00f6ddek\u00f6punge"
1359     },
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1366     "LarosateID": -1
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1371         "en": "Bj\u00e4rred"
1372     },
1373     "Beskrivning": {},
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1375     "Giltighetsperiod": {},
1376     "ID": "128",
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1378     "KommunID": "104",
1379     "LarosateID": -1
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1384             "en": "Lomma"
1385         },
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1387         "Dolt": false,
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1391         "KommunID": "104",
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1397             "en": "Svedala"
1398         },
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1404         "KommunID": "105",
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1410             "en": "Skurup"
1411         },
1412         "Beskrivning": {},
1413         "Dolt": false,
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1418         "LarosateID": -1
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1423             "en": "Sj\u00f6bo"
1424         },
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1429         "Kod": "T3664",
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1436         "en": "H\u00f6rby"
1437     },
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1449         "en": "H\u00f6\u00f6r"
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1456     "KommunID": "109",
1457     "LarosateID": -1
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1463     },
1464     "Beskrivning": {},
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1476     },
1477     "Beskrivning": {},
1478     "Dolt": false,
1479     "Giltighetsperiod": {},
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1489     },
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1508     "KommunID": "113",
1509     "LarosateID": -1
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1514         "en": "Klippan"
1515     },
1516     "Beskrivning": {},
1517     "Dolt": false,
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1519     "ID": "139",
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1525     "Benamning": {
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1527         "en": "\u00c5storp"
1528     },
1529     "Beskrivning": {},
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1540         "en": "B\u00e5stad"
1541     },
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1543     "Dolt": false,
1544     "Giltighetsperiod": {},
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1547     "KommunID": "116",
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1549 },
1550 {
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1553         "en": "Malm\u00f6"
1554     },
1555     "Beskrivning": {},
1556     "Dolt": false,
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1559     "Kod": "T3604",
1560     "KommunID": "117",
1561     "LarosateID": -1
1562 },
1563 {
1564     "Benamning": {
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1566         "en": "Lund"
1567     },
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1570     "Giltighetsperiod": {},
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1573     "KommunID": "118",
1574     "LarosateID": -1
1575 },
1576 {
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1578         "sv": "Landskrona",
1579         "en": "Landskrona"
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1592         "en": "Helsingborg"
1593     },
1594     "Beskrivning": {},
1595     "Dolt": false,
1596     "Giltighetsperiod": {},
1597     "ID": "145",
1598     "Kod": "T3452",
1599     "KommunID": "120",
1600     "LarosateID": -1
1601 },
1602 {
1603     "Benamning": {
1604         "sv": "H\u00f6gan\u00e4s",
1605         "en": "H\u00f6gan\u00e4s"
1606     },
1607     "Beskrivning": {},
1608     "Dolt": false,
1609     "Giltighetsperiod": {},
1610     "ID": "146",
1611     "Kod": "T3488",
1612     "KommunID": "121",
1613     "LarosateID": -1
1614 },
1615 {
1616     "Benamning": {
1617         "sv": "Esl\u00f6v",
1618         "en": "Esl\u00f6v"
1619     },
1620     "Beskrivning": {},
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1622     "Giltighetsperiod": {},
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1625     "KommunID": "122",
1626     "LarosateID": -1
1627 },
1628 {
1629     "Benamning": {

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1631     "en": "Ystad"
1632 },
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1634 "Dolt": false,
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1637 "Kod": "T3808",
1638 "KommunID": "123",
1639 "LarosateID": -1
1640 },
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1643         "sv": "Trelleborg",
1644         "en": "Trelleborg"
1645     },
1646     "Beskrivning": {},
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1649     "ID": "149",
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1653 },
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1657         "en": "Kristianstad"
1658     },
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1660     "Dolt": false,
1661     "Giltighetsperiod": {},
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1670         "en": "Tollarp"
1671     },
1672     "Beskrivning": {},
1673     "Dolt": false,
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1675     "ID": "151",
1676     "Kod": "T3108",
1677     "KommunID": "125",
1678     "LarosateID": -1
1679 },
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1683             "en": "\u00c5hus"
1684         },
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1686         "Dolt": false,
1687         "Giltighetsperiod": {},
1688         "ID": "152",
1689         "Kod": "T3184",
1690         "KommunID": "125",
1691         "LarosateID": -1
1692     },
1693     {
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1696             "en": "Simrishamn"
1697         },
1698         "Beskrivning": {},
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1701         "ID": "153",
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1703         "KommunID": "126",
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1705     },
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1709             "en": "\u00c4ngelholm"
1710         },
1711         "Beskrivning": {},
1712         "Dolt": false,
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1714         "ID": "154",
1715         "Kod": "T3196",
1716         "KommunID": "127",
1717         "LarosateID": -1
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1722             "en": "H\u00e4ssleholm"
1723         },
1724         "Beskrivning": {},
1725         "Dolt": false,
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1727         "ID": "155",
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1729         "KommunID": "128",
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1736     },
1737     "Beskrivning": {},
1738     "Dolt": false,
1739     "Giltighetsperiod": {},
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1742     "KommunID": "128",
1743     "LarosateID": -1
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1747         "sv": "Hyltebruk",
1748         "en": "Hyltebruk"
1749     },
1750     "Beskrivning": {},
1751     "Dolt": false,
1752     "Giltighetsperiod": {},
1753     "ID": "157",
1754     "Kod": "T3992",
1755     "KommunID": "129",
1756     "LarosateID": -1
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1761         "en": "Halmstad"
1762     },
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1764     "Dolt": false,
1765     "Giltighetsperiod": {},
1766     "ID": "158",
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1768     "KommunID": "130",
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1774         "en": "Laholm"
1775     },
1776     "Beskrivning": {},
1777     "Dolt": false,
1778     "Giltighetsperiod": {},
1779     "ID": "159",
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1781     "KommunID": "131",
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1788     },
1789     "Beskrivning": {},
1790     "Dolt": false,
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1792     "ID": "160",
1793     "Kod": "T3920",
1794     "KommunID": "132",
1795     "LarosateID": -1
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1798     "Benamning": {
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1813         "en": "Kungsbacka"
1814     },
1815     "Beskrivning": {},
1816     "Dolt": false,
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1820     "KommunID": "134",
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1826         "en": "H\u00e4rryda"
1827     },
1828     "Beskrivning": {},
1829     "Dolt": false,
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1840     },
1841     "Beskrivning": {},
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1852         "en": "M\u00f6lnlycke"
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1854     "Beskrivning": {},
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1866     },
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1876     "Benamning": {
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1878         "en": "\u00d6cker\u00f6"
1879     },

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1885     "KommunID": "137",
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1891         "en": "Stenungsund"
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1893     "Beskrivning": {},
1894     "Dolt": false,
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1898     "KommunID": "138",
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1904         "en": "Sk\u00e4rhamn"
1905     },
1906     "Beskrivning": {},
1907     "Dolt": false,
1908     "Giltighetsperiod": {},
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1910     "Kod": "T4560",
1911     "KommunID": "139",
1912     "LarosateID": -1
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1917         "en": "Hen\u00e5n"
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1919     "Beskrivning": {},
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1924     "KommunID": "140",
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1926 },
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1944     },
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1947     "Giltighetsperiod": {},
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1956         "en": "Tanumshede"
1957     },
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1970     },
1971     "Beskrivning": {},
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1975     "Kod": "T4796",
1976     "KommunID": "144",
1977     "LarosateID": -1
1978 },
1979 {

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1982         "en": "F\u00e4rgelanda"
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1985     "Dolt": false,
1986     "Giltighetsperiod": {},
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1989     "KommunID": "145",
1990     "LarosateID": -1
1991 },
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1994         "sv": "N\u00f6dinge-Nol",
1995         "en": "N\u00f6dinge-Nol"
1996     },
1997     "Beskrivning": {},
1998     "Dolt": false,
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2002     "KommunID": "146",
2003     "LarosateID": -1
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2008         "en": "Lerum"
2009     },
2010     "Beskrivning": {},
2011     "Dolt": false,
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2015     "KommunID": "147",
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2023     "Beskrivning": {},
2024     "Dolt": false,
2025     "Giltighetsperiod": {},
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2028     "KommunID": "148",
2029     "LarosateID": -1
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2035         },
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2037         "Dolt": false,
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2039         "ID": "179",
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2041         "KommunID": "149",
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2047             "en": "Gr\u00e4storp"
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2060             "en": "Bor\u00e5s"
2061         },
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2073             "en": "Ulricehamn"
2074         },
2075         "Beskrivning": {},
2076         "Dolt": false,
2077         "Giltighetsperiod": {},
2078         "ID": "205",
2079         "Kod": "T5104",
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2099         "en": "Mariestad"
2100     },
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2126     },
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2128     "Dolt": false,
2129     "Giltighetsperiod": {},

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2138         "en": "Sk\u00f6vde"
2139     },
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2144     "Kod": "T5428",
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2151         "en": "Hjo"
2152     },
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2158     "KommunID": "181",
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2164         "en": "Tidaholm"
2165     },
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2172     "LarosateID": -1
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2177         "en": "Falk\u00f6ping"
2178     },
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2197     "KommunID": "184",
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2205     "Beskrivning": {},
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2216         "en": "Torsby"
2217     },
2218     "Beskrivning": {},
2219     "Dolt": false,
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2223     "KommunID": "186",
2224     "LarosateID": -1
2225 },
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2227     "Benamning": {
2228         "sv": "Skoghall",
2229         "en": "Skoghall"
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2236     "KommunID": "188",
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2242         "en": "Munkfors"
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2244     "Beskrivning": {},
2245     "Dolt": false,
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2278 {
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2282     },
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2296     "Beskrivning": {},
2297     "Dolt": false,
2298     "Giltighetsperiod": {},
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2320         "en": "Kristinehamn"
2321     },
2322     "Beskrivning": {},
2323     "Dolt": false,
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2326     "Kod": "T5720",
2327     "KommunID": "195",
2328     "LarosateID": -1
2329 },
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2339         "Kod": "T5660",
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2343     {
2344         "Benamning": {
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2346             "en": "Ragunda"
2347         },
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2353         "KommunID": "254",
2354         "LarosateID": -1
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2359             "en": "H\u00e4rjedalen"
2360         },
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2366         "KommunID": "260",
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2372             "en": "B\u00e4ckefors"
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2374         "Beskrivning": {},
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2378         "Kod": "T4768",
2379         "KommunID": "155",
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2390     "ID": "157675",
2391     "Kod": "T1624",
2392     "KommunID": "61",
2393     "LarosateID": -1
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2398         "en": "J\u00e4lla"
2399     },
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2401     "Dolt": false,
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2404     "Kod": "T0514",
2405     "KommunID": "32",
2406     "LarosateID": -1
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2411         "en": "\u00c5s"
2412     },
2413     "Beskrivning": {},
2414     "Dolt": false,
2415     "Giltighetsperiod": {},
2416     "ID": "157677",
2417     "Kod": "T8028",
2418     "KommunID": "256",
2419     "LarosateID": -1
2420 },
2421 {
2422     "Benamning": {
2423         "sv": "Stockholm (J\u00e4rf\u00e4lla)",
2424         "en": "Stockholm (J\u00e4rf\u00e4lla)"
2425     },
2426     "Beskrivning": {},
2427     "Dolt": false,
2428     "Giltighetsperiod": {},
2429     "ID": "151531",

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2430     "Kod": "L0123",
2431     "KommunID": "5",
2432     "LarosateID": -1
2433 },
2434 {
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2436         "sv": "Upplands V\u00e4sby",
2437         "en": "Upplands V\u00e4sby"
2438     },
2439     "Beskrivning": {},
2440     "Dolt": false,
2441     "Giltighetsperiod": {},
2442     "ID": "1",
2443     "Kod": "T0384",
2444     "KommunID": "1",
2445     "LarosateID": -1
2446 },
2447 {
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2449         "sv": "Vallentuna",
2450         "en": "Vallentuna"
2451     },
2452     "Beskrivning": {},
2453     "Dolt": false,
2454     "Giltighetsperiod": {},
2455     "ID": "2",
2456     "Kod": "T0388",
2457     "KommunID": "2",
2458     "LarosateID": -1
2459 },
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2462         "sv": "\u00c5kersberga",
2463         "en": "\u00c5kersberga"
2464     },
2465     "Beskrivning": {},
2466     "Dolt": false,
2467     "Giltighetsperiod": {},
2468     "ID": "3",
2469     "Kod": "T0408",
2470     "KommunID": "3",
2471     "LarosateID": -1
2472 },
2473 {
2474     "Benamning": {
2475         "sv": "Gustavsberg",
2476         "en": "Gustavsberg"
2477     },
2478     "Beskrivning": {},
2479     "Dolt": false,
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2480     "Giltighetsperiod": {},
2481     "ID": "4",
2482     "Kod": "T0172",
2483     "KommunID": "4",
2484     "LarosateID": -1
2485 },
2486 {
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2488         "sv": "Jakobsberg",
2489         "en": "Jakobsberg"
2490     },
2491     "Beskrivning": {},
2492     "Dolt": false,
2493     "Giltighetsperiod": {},
2494     "ID": "5",
2495     "Kod": "TX016",
2496     "KommunID": "5",
2497     "LarosateID": -1
2498 },
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2501         "sv": "Eker\u00f6",
2502         "en": "Eker\u00f6"
2503     },
2504     "Beskrivning": {},
2505     "Dolt": false,
2506     "Giltighetsperiod": {},
2507     "ID": "6",
2508     "Kod": "T0150",
2509     "KommunID": "6",
2510     "LarosateID": -1
2511 },
2512 {
2513     "Benamning": {
2514         "sv": "Flemingsberg",
2515         "en": "Flemingsberg"
2516     },
2517     "Beskrivning": {},
2518     "Dolt": false,
2519     "Giltighetsperiod": {},
2520     "ID": "7",
2521     "Kod": "TX012",
2522     "KommunID": "7",
2523     "LarosateID": -1
2524 },
2525 {
2526     "Benamning": {
2527         "sv": "Tumba (Botkyrka)",
2528         "en": "Tumba (Botkyrka)"
2529     },

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2530     "Beskrivning": {},
2531     "Dolt": false,
2532     "Giltighetsperiod": {},
2533     "ID": "8",
2534     "Kod": "T0372",
2535     "KommunID": "8",
2536     "LarosateID": -1
2537 },
2538 {
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2540         "sv": "R\u00f6nninge",
2541         "en": "R\u00f6nninge"
2542     },
2543     "Beskrivning": {},
2544     "Dolt": false,
2545     "Giltighetsperiod": {},
2546     "ID": "9",
2547     "Kod": "TX028",
2548     "KommunID": "9",
2549     "LarosateID": -1
2550 },
2551 {
2552     "Benamning": {
2553         "sv": "Handen",
2554         "en": "Handen"
2555     },
2556     "Beskrivning": {},
2557     "Dolt": false,
2558     "Giltighetsperiod": {},
2559     "ID": "10",
2560     "Kod": "TX014",
2561     "KommunID": "10",
2562     "LarosateID": -1
2563 },
2564 {
2565     "Benamning": {
2566         "sv": "Bollmora/Tyres\u00f6 centrum",
2567         "en": "Bollmora/Tyres\u00f6 centrum"
2568     },
2569     "Beskrivning": {},
2570     "Dolt": false,
2571     "Giltighetsperiod": {},
2572     "ID": "11",
2573     "Kod": "TX008",
2574     "KommunID": "11",
2575     "LarosateID": -1
2576 },
2577 {
2578     "Benamning": {
2579         "sv": "Kungs\u00e4ngen ",

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2580         "en": "Kungs\u00e4ngen "
2581     },
2582     "Beskrivning": {},
2583     "Dolt": false,
2584     "Giltighetsperiod": {},
2585     "ID": "12",
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2587     "KommunID": "12",
2588     "LarosateID": -1
2589 },
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2591     "Benamning": {
2592         "sv": "Nykvarn",
2593         "en": "Nykvarn"
2594     },
2595     "Beskrivning": {},
2596     "Dolt": false,
2597     "Giltighetsperiod": {},
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2600     "KommunID": "13",
2601     "LarosateID": -1
2602 },
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2604     "Benamning": {
2605         "sv": "T\u00e4by",
2606         "en": "T\u00e4by"
2607     },
2608     "Beskrivning": {},
2609     "Dolt": false,
2610     "Giltighetsperiod": {},
2611     "ID": "14",
2612     "Kod": "T0288",
2613     "KommunID": "14",
2614     "LarosateID": -1
2615 },
2616 {
2617     "Benamning": {
2618         "sv": "Stockholm (Danderyd)",
2619         "en": "Stockholm (Danderyd)"
2620     },
2621     "Beskrivning": {},
2622     "Dolt": false,
2623     "Giltighetsperiod": {},
2624     "ID": "15",
2625     "Kod": "L0162",
2626     "KommunID": "15",
2627     "LarosateID": -1
2628 },
2629 {

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2630     "Benamning": {
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2632         "en": "Rotebro"
2633     },
2634     "Beskrivning": {},
2635     "Dolt": false,
2636     "Giltighetsperiod": {},
2637     "ID": "16",
2638     "Kod": "TX026",
2639     "KommunID": "16",
2640     "LarosateID": -1
2641 },
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2643     "Benamning": {
2644         "sv": "Sollentuna",
2645         "en": "Sollentuna"
2646     },
2647     "Beskrivning": {},
2648     "Dolt": false,
2649     "Giltighetsperiod": {},
2650     "ID": "17",
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2652     "KommunID": "16",
2653     "LarosateID": -1
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2656     "Benamning": {
2657         "sv": "Stockholm",
2658         "en": "Stockholm"
2659     },
2660     "Beskrivning": {},
2661     "Dolt": false,
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2663     "ID": "18",
2664     "Kod": "T0336",
2665     "KommunID": "17",
2666     "LarosateID": -1
2667 },
2668 {
2669     "Benamning": {
2670         "sv": "J\u00e4rna",
2671         "en": "J\u00e4rna"
2672     },
2673     "Beskrivning": {},
2674     "Dolt": false,
2675     "Giltighetsperiod": {},
2676     "ID": "19",
2677     "Kod": "T0204",
2678     "KommunID": "18",
2679     "LarosateID": -1

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2680     },
2681     {
2682         "Benamning": {
2683             "sv": "S\u00f6dert\u00e4lje",
2684             "en": "S\u00f6dert\u00e4lje"
2685         },
2686         "Beskrivning": {},
2687         "Dolt": false,
2688         "Giltighetsperiod": {},
2689         "ID": "20",
2690         "Kod": "T0356",
2691         "KommunID": "18",
2692         "LarosateID": -1
2693     },
2694     {
2695         "Benamning": {
2696             "sv": "Stockholm (Nacka)",
2697             "en": "Stockholm (Nacka)"
2698         },
2699         "Beskrivning": {},
2700         "Dolt": false,
2701         "Giltighetsperiod": {},
2702         "ID": "21",
2703         "Kod": "L0182",
2704         "KommunID": "19",
2705         "LarosateID": -1
2706     },
2707     {
2708         "Benamning": {
2709             "sv": "Saltsj\u00f6baden",
2710             "en": "Saltsj\u00f6baden"
2711         },
2712         "Beskrivning": {},
2713         "Dolt": false,
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2715         "ID": "22",
2716         "Kod": "T0296",
2717         "KommunID": "19",
2718         "LarosateID": -1
2719     },
2720     {
2721         "Benamning": {
2722             "sv": "\u00c4lta",
2723             "en": "\u00c4lta"
2724         },
2725         "Beskrivning": {},
2726         "Dolt": false,
2727         "Giltighetsperiod": {},
2728         "ID": "23",
2729         "Kod": "T0416",
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2730     "KommunID": "19",
2731     "LarosateID": -1
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2734     "Benamning": {
2735         "sv": "Nossebro",
2736         "en": "Nossebro"
2737     },
2738     "Beskrivning": {},
2739     "Dolt": false,
2740     "Giltighetsperiod": {},
2741     "ID": "181",
2742     "Kod": "T5388",
2743     "KommunID": "151",
2744     "LarosateID": -1
2745 },
2746 {
2747     "Benamning": {
2748         "sv": "Karlsborg",
2749         "en": "Karlsborg"
2750     },
2751     "Beskrivning": {},
2752     "Dolt": false,
2753     "Giltighetsperiod": {},
2754     "ID": "182",
2755     "Kod": "T5324",
2756     "KommunID": "152",
2757     "LarosateID": -1
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2760     "Benamning": {
2761         "sv": "Hova",
2762         "en": "Hova"
2763     },
2764     "Beskrivning": {},
2765     "Dolt": false,
2766     "Giltighetsperiod": {},
2767     "ID": "183",
2768     "Kod": "T5300",
2769     "KommunID": "153",
2770     "LarosateID": -1
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2772 {
2773     "Benamning": {
2774         "sv": "Tranemo",
2775         "en": "Tranemo"
2776     },
2777     "Beskrivning": {},
2778     "Dolt": false,
2779     "Giltighetsperiod": {},
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2780     "ID": "184",
2781     "Kod": "T5080",
2782     "KommunID": "154",
2783     "LarosateID": -1
2784 },
2785 {
2786     "Benamning": {
2787         "sv": "Bengtsfors",
2788         "en": "Bengtsfors"
2789     },
2790     "Beskrivning": {},
2791     "Dolt": false,
2792     "Giltighetsperiod": {},
2793     "ID": "185",
2794     "Kod": "T4720",
2795     "KommunID": "155",
2796     "LarosateID": -1
2797 },
2798 {
2799     "Benamning": {
2800         "sv": "Mellerud",
2801         "en": "Mellerud"
2802     },
2803     "Beskrivning": {},
2804     "Dolt": false,
2805     "Giltighetsperiod": {},
2806     "ID": "186",
2807     "Kod": "T4952",
2808     "KommunID": "156",
2809     "LarosateID": -1
2810 },
2811 {
2812     "Benamning": {
2813         "sv": "Lilla Edet",
2814         "en": "Lilla Edet"
2815     },
2816     "Beskrivning": {},
2817     "Dolt": false,
2818     "Giltighetsperiod": {},
2819     "ID": "187",
2820     "Kod": "T4924",
2821     "KommunID": "157",
2822     "LarosateID": -1
2823 },
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2825     "Benamning": {
2826         "sv": "Kinna",
2827         "en": "Kinna"
2828     },
2829     "Beskrivning": {},
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2832     "ID": "188",
2833     "Kod": "T4912",
2834     "KommunID": "158",
2835     "LarosateID": -1
2836 },
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2840         "en": "Svenljunga"
2841     },
2842     "Beskrivning": {},
2843     "Dolt": false,
2844     "Giltighetsperiod": {},
2845     "ID": "189",
2846     "Kod": "T5060",
2847     "KommunID": "159",
2848     "LarosateID": -1
2849 },
2850 {
2851     "Benamning": {
2852         "sv": "Herrljunga",
2853         "en": "Herrljunga"
2854     },
2855     "Beskrivning": {},
2856     "Dolt": false,
2857     "Giltighetsperiod": {},
2858     "ID": "190",
2859     "Kod": "T4864",
2860     "KommunID": "160",
2861     "LarosateID": -1
2862 },
2863 {
2864     "Benamning": {
2865         "sv": "Vara",
2866         "en": "Vara"
2867     },
2868     "Beskrivning": {},
2869     "Dolt": false,
2870     "Giltighetsperiod": {},
2871     "ID": "191",
2872     "Kod": "T5500",
2873     "KommunID": "161",
2874     "LarosateID": -1
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2876 {
2877     "Benamning": {
2878         "sv": "G\u00f6tene",
2879         "en": "G\u00f6tene"

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2880     },
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2882     "Dolt": false,
2883     "Giltighetsperiod": {},
2884     "ID": "192",
2885     "Kod": "T5280",
2886     "KommunID": "162",
2887     "LarosateID": -1
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2889 {
2890     "Benamning": {
2891         "sv": "Tibro",
2892         "en": "Tibro"
2893     },
2894     "Beskrivning": {},
2895     "Dolt": false,
2896     "Giltighetsperiod": {},
2897     "ID": "193",
2898     "Kod": "T5456",
2899     "KommunID": "163",
2900     "LarosateID": -1
2901 },
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2903     "Benamning": {
2904         "sv": "T\u00f6reboda",
2905         "en": "T\u00f6reboda"
2906     },
2907     "Beskrivning": {},
2908     "Dolt": false,
2909     "Giltighetsperiod": {},
2910     "ID": "194",
2911     "Kod": "T5484",
2912     "KommunID": "164",
2913     "LarosateID": -1
2914 },
2915 {
2916     "Benamning": {
2917         "sv": "G\u00f6teborg",
2918         "en": "G\u00f6teborg"
2919     },
2920     "Beskrivning": {},
2921     "Dolt": false,
2922     "Giltighetsperiod": {},
2923     "ID": "195",
2924     "Kod": "T4368",
2925     "KommunID": "165",
2926     "LarosateID": -1
2927 },
2928 {
2929     "Benamning": {

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2930         "sv": "G\u00f6teborg (M\u00f6lndal)",
2931         "en": "G\u00f6teborg (M\u00f6lndal)"
2932     },
2933     "Beskrivning": {},
2934     "Dolt": false,
2935     "Giltighetsperiod": {},
2936     "ID": "196",
2937     "Kod": "L1481",
2938     "KommunID": "166",
2939     "LarosateID": -1
2940 },
2941 {
2942     "Benamning": {
2943         "sv": "Kung\u00e4lv",
2944         "en": "Kung\u00e4lv"
2945     },
2946     "Beskrivning": {},
2947     "Dolt": false,
2948     "Giltighetsperiod": {},
2949     "ID": "197",
2950     "Kod": "T4452",
2951     "KommunID": "167",
2952     "LarosateID": -1
2953 },
2954 {
2955     "Benamning": {
2956         "sv": "Lysekil",
2957         "en": "Lysekil"
2958     },
2959     "Beskrivning": {},
2960     "Dolt": false,
2961     "Giltighetsperiod": {},
2962     "ID": "198",
2963     "Kod": "T4496",
2964     "KommunID": "168",
2965     "LarosateID": -1
2966 },
2967 {
2968     "Benamning": {
2969         "sv": "Uddevalla",
2970         "en": "Uddevalla"
2971     },
2972     "Beskrivning": {},
2973     "Dolt": false,
2974     "Giltighetsperiod": {},
2975     "ID": "199",
2976     "Kod": "T4608",
2977     "KommunID": "169",
2978     "LarosateID": -1
2979 },
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2980     {
2981         "Benamning": {
2982             "sv": "Str\u00f6mstad",
2983             "en": "Str\u00f6mstad"
2984         },
2985         "Beskrivning": {},
2986         "Dolt": false,
2987         "Giltighetsperiod": {},
2988         "ID": "200",
2989         "Kod": "T4584",
2990         "KommunID": "170",
2991         "LarosateID": -1
2992     },
2993     {
2994         "Benamning": {
2995             "sv": "V\u00e4rnersborg",
2996             "en": "V\u00e4rnersborg"
2997         },
2998         "Beskrivning": {},
2999         "Dolt": false,
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3001         "ID": "201",
3002         "Kod": "T5132",
3003         "KommunID": "171",
3004         "LarosateID": -1
3005     },
3006     {
3007         "Benamning": {
3008             "sv": "Trollh\u00e4ttan",
3009             "en": "Trollh\u00e4ttan"
3010         },
3011         "Beskrivning": {},
3012         "Dolt": false,
3013         "Giltighetsperiod": {},
3014         "ID": "202",
3015         "Kod": "T5084",
3016         "KommunID": "172",
3017         "LarosateID": -1
3018     },
3019     {
3020         "Benamning": {
3021             "sv": "Alings\u00e5s",
3022             "en": "Alings\u00e5s"
3023         },
3024         "Beskrivning": {},
3025         "Dolt": false,
3026         "Giltighetsperiod": {},
3027         "ID": "203",
3028         "Kod": "T4700",
3029         "KommunID": "173",

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3030     "LarosateID": -1
3031 },
3032 {
3033     "Benamning": {
3034         "sv": "Hagfors",
3035         "en": "Hagfors"
3036     },
3037     "Beskrivning": {},
3038     "Dolt": false,
3039     "Giltighetsperiod": {},
3040     "ID": "227",
3041     "Kod": "T5688",
3042     "KommunID": "197",
3043     "LarosateID": -1
3044 },
3045 {
3046     "Benamning": {
3047         "sv": "Arvika",
3048         "en": "Arvika"
3049     },
3050     "Beskrivning": {},
3051     "Dolt": false,
3052     "Giltighetsperiod": {},
3053     "ID": "228",
3054     "Kod": "T5604",
3055     "KommunID": "198",
3056     "LarosateID": -1
3057 },
3058 {
3059     "Benamning": {
3060         "sv": "S\u00e4ffle",
3061         "en": "S\u00e4ffle"
3062     },
3063     "Beskrivning": {},
3064     "Dolt": false,
3065     "Giltighetsperiod": {},
3066     "ID": "229",
3067     "Kod": "T5840",
3068     "KommunID": "199",
3069     "LarosateID": -1
3070 },
3071 {
3072     "Benamning": {
3073         "sv": "Fjugesta",
3074         "en": "Fjugesta"
3075     },
3076     "Beskrivning": {},
3077     "Dolt": false,
3078     "Giltighetsperiod": {},
3079     "ID": "230",
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3080     "Kod": "T5936",
3081     "KommunID": "200",
3082     "LarosateID": -1
3083 },
3084 {
3085     "Benamning": {
3086         "sv": "Lax\u00e5",
3087         "en": "Lax\u00e5"
3088     },
3089     "Beskrivning": {},
3090     "Dolt": false,
3091     "Giltighetsperiod": {},
3092     "ID": "231",
3093     "Kod": "T6036",
3094     "KommunID": "201",
3095     "LarosateID": -1
3096 },
3097 {
3098     "Benamning": {
3099         "sv": "Hallsberg",
3100         "en": "Hallsberg"
3101     },
3102     "Beskrivning": {},
3103     "Dolt": false,
3104     "Giltighetsperiod": {},
3105     "ID": "232",
3106     "Kod": "T5964",
3107     "KommunID": "202",
3108     "LarosateID": -1
3109 },
3110 {
3111     "Benamning": {
3112         "sv": "Degerfors",
3113         "en": "Degerfors"
3114     },
3115     "Beskrivning": {},
3116     "Dolt": false,
3117     "Giltighetsperiod": {},
3118     "ID": "233",
3119     "Kod": "T5916",
3120     "KommunID": "203",
3121     "LarosateID": -1
3122 },
3123 {
3124     "Benamning": {
3125         "sv": "Grythyttan",
3126         "en": "Grythyttan"
3127     },
3128     "Beskrivning": {},
3129     "Dolt": false,
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3130     "Giltighetsperiod": {},
3131     "ID": "234",
3132     "Kod": "T5952",
3133     "KommunID": "204",
3134     "LarosateID": -1
3135 },
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3137     "Benamning": {
3138         "sv": "H\u00e4llefors",
3139         "en": "H\u00e4llefors"
3140     },
3141     "Beskrivning": {},
3142     "Dolt": false,
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3144     "ID": "235",
3145     "Kod": "T5996",
3146     "KommunID": "204",
3147     "LarosateID": -1
3148 },
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3151         "sv": "Kopparberg",
3152         "en": "Kopparberg"
3153     },
3154     "Beskrivning": {},
3155     "Dolt": false,
3156     "Giltighetsperiod": {},
3157     "ID": "236",
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3159     "KommunID": "205",
3160     "LarosateID": -1
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3165         "en": "\u00d6rebro"
3166     },
3167     "Beskrivning": {},
3168     "Dolt": false,
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3170     "ID": "237",
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3173     "LarosateID": -1
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3176     "Benamning": {
3177         "sv": "Kumla",
3178         "en": "Kumla"
3179     },
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3180     "Beskrivning": {},
3181     "Dolt": false,
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3183     "ID": "238",
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3185     "KommunID": "207",
3186     "LarosateID": -1
3187 },
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3190         "sv": "Askersund",
3191         "en": "Askersund"
3192     },
3193     "Beskrivning": {},
3194     "Dolt": false,
3195     "Giltighetsperiod": {},
3196     "ID": "239",
3197     "Kod": "T5904",
3198     "KommunID": "208",
3199     "LarosateID": -1
3200 },
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3203         "sv": "Karlskoga",
3204         "en": "Karlskoga"
3205     },
3206     "Beskrivning": {},
3207     "Dolt": false,
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3209     "ID": "240",
3210     "Kod": "T6008",
3211     "KommunID": "209",
3212     "LarosateID": -1
3213 },
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3215     "Benamning": {
3216         "sv": "Nora",
3217         "en": "Nora"
3218     },
3219     "Beskrivning": {},
3220     "Dolt": false,
3221     "Giltighetsperiod": {},
3222     "ID": "241",
3223     "Kod": "T6060",
3224     "KommunID": "210",
3225     "LarosateID": -1
3226 },
3227 {
3228     "Benamning": {
3229         "sv": "Lindesberg",
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3230     "en": "Lindesberg"
3231 },
3232 "Beskrivning": {},
3233 "Dolt": false,
3234 "Giltighetsperiod": {},
3235 "ID": "242",
3236 "Kod": "T6040",
3237 "KommunID": "211",
3238 "LarosateID": -1
3239 },
3240 {
3241   "Benamning": {
3242     "sv": "Skinskatteberg",
3243     "en": "Skinskatteberg"
3244   },
3245   "Beskrivning": {},
3246   "Dolt": false,
3247   "Giltighetsperiod": {},
3248   "ID": "243",
3249   "Kod": "T6320",
3250   "KommunID": "212",
3251   "LarosateID": -1
3252 },
3253 {
3254   "Benamning": {
3255     "sv": "Surahammar",
3256     "en": "Surahammar"
3257   },
3258   "Beskrivning": {},
3259   "Dolt": false,
3260   "Giltighetsperiod": {},
3261   "ID": "244",
3262   "Kod": "T6332",
3263   "KommunID": "213",
3264   "LarosateID": -1
3265 },
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3267   "Benamning": {
3268     "sv": "Kungs\u00f6r",
3269     "en": "Kungs\u00f6r"
3270   },
3271   "Beskrivning": {},
3272   "Dolt": false,
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3274   "ID": "245",
3275   "Kod": "T6256",
3276   "KommunID": "214",
3277   "LarosateID": -1
3278 },
3279 {
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3281       "sv": "Hallstahammar",
3282       "en": "Hallstahammar"
3283     },
3284     "Beskrivning": {},
3285     "Dolt": false,
3286     "Giltighetsperiod": {},
3287     "ID": "246",
3288     "Kod": "T6224",
3289     "KommunID": "215",
3290     "LarosateID": -1
3291   },
3292   {
3293     "Benamning": {
3294       "sv": "Norberg",
3295       "en": "Norberg"
3296     },
3297     "Beskrivning": {},
3298     "Dolt": false,
3299     "Giltighetsperiod": {},
3300     "ID": "247",
3301     "Kod": "T6292",
3302     "KommunID": "216",
3303     "LarosateID": -1
3304   },
3305   {
3306     "Benamning": {
3307       "sv": "V\u00e4ster\u00e5s",
3308       "en": "V\u00e4ster\u00e5s"
3309     },
3310     "Beskrivning": {},
3311     "Dolt": false,
3312     "Giltighetsperiod": {},
3313     "ID": "248",
3314     "Kod": "T6376",
3315     "KommunID": "217",
3316     "LarosateID": -1
3317   },
3318   {
3319     "Benamning": {
3320       "sv": "Sala",
3321       "en": "Sala"
3322     },
3323     "Beskrivning": {},
3324     "Dolt": false,
3325     "Giltighetsperiod": {},
3326     "ID": "249",
3327     "Kod": "T6312",
3328     "KommunID": "218",
3329     "LarosateID": -1
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3330     },
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3333             "sv": "Fagersta",
3334             "en": "Fagersta"
3335         },
3336         "Beskrivning": {},
3337         "Dolt": false,
3338         "Giltighetsperiod": {},
3339         "ID": "250",
3340         "Kod": "T6212",
3341         "KommunID": "219",
3342         "LarosateID": -1
3343     },
3344     {
3345         "Benamning": {
3346             "sv": "K\u00f6ping",
3347             "en": "K\u00f6ping"
3348         },
3349         "Beskrivning": {},
3350         "Dolt": false,
3351         "Giltighetsperiod": {},
3352         "ID": "251",
3353         "Kod": "T6268",
3354         "KommunID": "220",
3355         "LarosateID": -1
3356     },
3357     {
3358         "Benamning": {
3359             "sv": "Arboga",
3360             "en": "Arboga"
3361         },
3362         "Beskrivning": {},
3363         "Dolt": false,
3364         "Giltighetsperiod": {},
3365         "ID": "252",
3366         "Kod": "T6200",
3367         "KommunID": "221",
3368         "LarosateID": -1
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3370     {
3371         "Benamning": {
3372             "sv": "Vansbro",
3373             "en": "Vansbro"
3374         },
3375         "Beskrivning": {},
3376         "Dolt": false,
3377         "Giltighetsperiod": {},
3378         "ID": "253",
3379         "Kod": "T6828",
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3380     "KommunID": "222",
3381     "LarosateID": -1
3382 },
3383 {
3384     "Benamning": {
3385         "sv": "Malung",
3386         "en": "Malung"
3387     },
3388     "Beskrivning": {},
3389     "Dolt": false,
3390     "Giltighetsperiod": {},
3391     "ID": "254",
3392     "Kod": "T6636",
3393     "KommunID": "223",
3394     "LarosateID": -1
3395 },
3396 {
3397     "Benamning": {
3398         "sv": "Gagnef",
3399         "en": "Gagnef"
3400     },
3401     "Beskrivning": {},
3402     "Dolt": false,
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3405     "Kod": "T6528",
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3410     "Benamning": {
3411         "sv": "Leksand",
3412         "en": "Leksand"
3413     },
3414     "Beskrivning": {},
3415     "Dolt": false,
3416     "Giltighetsperiod": {},
3417     "ID": "256",
3418     "Kod": "T6608",
3419     "KommunID": "225",
3420     "LarosateID": -1
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3423     "Benamning": {
3424         "sv": "R\u00e4ttvik",
3425         "en": "R\u00e4ttvik"
3426     },
3427     "Beskrivning": {},
3428     "Dolt": false,
3429     "Giltighetsperiod": {},

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3430     "ID": "257",
3431     "Kod": "T6716",
3432     "KommunID": "226",
3433     "LarosateID": -1
3434 },
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3436     "Benamning": {
3437         "sv": "Orsa",
3438         "en": "Orsa"
3439     },
3440     "Beskrivning": {},
3441     "Dolt": false,
3442     "Giltighetsperiod": {},
3443     "ID": "258",
3444     "Kod": "T6696",
3445     "KommunID": "227",
3446     "LarosateID": -1
3447 },
3448 {
3449     "Benamning": {
3450         "sv": "\u00c4lvdalen",
3451         "en": "\u00c4lvdalen"
3452     },
3453     "Beskrivning": {},
3454     "Dolt": false,
3455     "Giltighetsperiod": {},
3456     "ID": "259",
3457     "Kod": "T6896",
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3459     "LarosateID": -1
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3461 {
3462     "Benamning": {
3463         "sv": "Smedjebacken",
3464         "en": "Smedjebacken"
3465     },
3466     "Beskrivning": {},
3467     "Dolt": false,
3468     "Giltighetsperiod": {},
3469     "ID": "260",
3470     "Kod": "T6744",
3471     "KommunID": "229",
3472     "LarosateID": -1
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3474 {
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3476         "sv": "Mora",
3477         "en": "Mora"
3478     },
3479     "Beskrivning": {},
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3481     "Giltighetsperiod": {},
3482     "ID": "261",
3483     "Kod": "T6648",
3484     "KommunID": "230",
3485     "LarosateID": -1
3486 },
3487 {
3488     "Benamning": {
3489         "sv": "Falun",
3490         "en": "Falun"
3491     },
3492     "Beskrivning": {},
3493     "Dolt": false,
3494     "Giltighetsperiod": {},
3495     "ID": "262",
3496     "Kod": "T6504",
3497     "KommunID": "231",
3498     "LarosateID": -1
3499 },
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3501     "Benamning": {
3502         "sv": "Borl\u00e4nge",
3503         "en": "Borl\u00e4nge"
3504     },
3505     "Beskrivning": {},
3506     "Dolt": false,
3507     "Giltighetsperiod": {},
3508     "ID": "263",
3509     "Kod": "T6444",
3510     "KommunID": "232",
3511     "LarosateID": -1
3512 },
3513 {
3514     "Benamning": {
3515         "sv": "S\u00e4ter",
3516         "en": "S\u00e4ter"
3517     },
3518     "Beskrivning": {},
3519     "Dolt": false,
3520     "Giltighetsperiod": {},
3521     "ID": "264",
3522     "Kod": "T6792",
3523     "KommunID": "233",
3524     "LarosateID": -1
3525 },
3526 {
3527     "Benamning": {
3528         "sv": "Hedemora",
3529         "en": "Hedemora"

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3530     },
3531     "Beskrivning": {},
3532     "Dolt": false,
3533     "Giltighetsperiod": {},
3534     "ID": "265",
3535     "Kod": "T6572",
3536     "KommunID": "234",
3537     "LarosateID": -1
3538 },
3539 {
3540     "Benamning": {
3541         "sv": "Avesta",
3542         "en": "Avesta"
3543     },
3544     "Beskrivning": {},
3545     "Dolt": false,
3546     "Giltighetsperiod": {},
3547     "ID": "266",
3548     "Kod": "T6404",
3549     "KommunID": "235",
3550     "LarosateID": -1
3551 },
3552 {
3553     "Benamning": {
3554         "sv": "Ludvika",
3555         "en": "Ludvika"
3556     },
3557     "Beskrivning": {},
3558     "Dolt": false,
3559     "Giltighetsperiod": {},
3560     "ID": "267",
3561     "Kod": "T6624",
3562     "KommunID": "236",
3563     "LarosateID": -1
3564 },
3565 {
3566     "Benamning": {
3567         "sv": "Ockelbo",
3568         "en": "Ockelbo"
3569     },
3570     "Beskrivning": {},
3571     "Dolt": false,
3572     "Giltighetsperiod": {},
3573     "ID": "268",
3574     "Kod": "T7236",
3575     "KommunID": "237",
3576     "LarosateID": -1
3577 },
3578 {
3579     "Benamning": {
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3580         "sv": "Hofors",
3581         "en": "Hofors"
3582     },
3583     "Beskrivning": {},
3584     "Dolt": false,
3585     "Giltighetsperiod": {},
3586     "ID": "269",
3587     "Kod": "T7112",
3588     "KommunID": "238",
3589     "LarosateID": -1
3590 },
3591 {
3592     "Benamning": {
3593         "sv": "Edsbyn",
3594         "en": "Edsbyn"
3595     },
3596     "Beskrivning": {},
3597     "Dolt": false,
3598     "Giltighetsperiod": {},
3599     "ID": "270",
3600     "Kod": "T7044",
3601     "KommunID": "239",
3602     "LarosateID": -1
3603 },
3604 {
3605     "Benamning": {
3606         "sv": "Bergsj\u00f6",
3607         "en": "Bergsj\u00f6"
3608     },
3609     "Beskrivning": {},
3610     "Dolt": false,
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3612     "ID": "271",
3613     "Kod": "T7020",
3614     "KommunID": "240",
3615     "LarosateID": -1
3616 },
3617 {
3618     "Benamning": {
3619         "sv": "Ljusdal",
3620         "en": "Ljusdal"
3621     },
3622     "Beskrivning": {},
3623     "Dolt": false,
3624     "Giltighetsperiod": {},
3625     "ID": "272",
3626     "Kod": "T7184",
3627     "KommunID": "241",
3628     "LarosateID": -1
3629 },
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3632             "sv": "G\u00e4vle",
3633             "en": "G\u00e4vle"
3634         },
3635         "Beskrivning": {},
3636         "Dolt": false,
3637         "Giltighetsperiod": {},
3638         "ID": "273",
3639         "Kod": "T7076",
3640         "KommunID": "242",
3641         "LarosateID": -1
3642     },
3643     {
3644         "Benamning": {
3645             "sv": "Sandviken",
3646             "en": "Sandviken"
3647         },
3648         "Beskrivning": {},
3649         "Dolt": false,
3650         "Giltighetsperiod": {},
3651         "ID": "274",
3652         "Kod": "T7272",
3653         "KommunID": "243",
3654         "LarosateID": -1
3655     },
3656     {
3657         "Benamning": {
3658             "sv": "S\u00f6derhamn",
3659             "en": "S\u00f6derhamn"
3660         },
3661         "Beskrivning": {},
3662         "Dolt": false,
3663         "Giltighetsperiod": {},
3664         "ID": "275",
3665         "Kod": "T7316",
3666         "KommunID": "244",
3667         "LarosateID": -1
3668     },
3669     {
3670         "Benamning": {
3671             "sv": "Bolln\u00e5s",
3672             "en": "Bolln\u00e5s"
3673         },
3674         "Beskrivning": {},
3675         "Dolt": false,
3676         "Giltighetsperiod": {},
3677         "ID": "276",
3678         "Kod": "T7036",
3679         "KommunID": "245",
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3680     "LarosateID": -1
3681 },
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3684         "sv": "Hudiksvall",
3685         "en": "Hudiksvall"
3686     },
3687     "Beskrivning": {},
3688     "Dolt": false,
3689     "Giltighetsperiod": {},
3690     "ID": "277",
3691     "Kod": "T7120",
3692     "KommunID": "246",
3693     "LarosateID": -1
3694 },
3695 {
3696     "Benamning": {
3697         "sv": "\u00c5nge",
3698         "en": "\u00c5nge"
3699     },
3700     "Beskrivning": {},
3701     "Dolt": false,
3702     "Giltighetsperiod": {},
3703     "ID": "278",
3704     "Kod": "T7736",
3705     "KommunID": "247",
3706     "LarosateID": -1
3707 },
3708 {
3709     "Benamning": {
3710         "sv": "Timr\u00e5",
3711         "en": "Timr\u00e5"
3712     },
3713     "Beskrivning": {},
3714     "Dolt": false,
3715     "Giltighetsperiod": {},
3716     "ID": "279",
3717     "Kod": "T7704",
3718     "KommunID": "248",
3719     "LarosateID": -1
3720 },
3721 {
3722     "Benamning": {
3723         "sv": "H\u00e4rn\u00f6sand",
3724         "en": "H\u00e4rn\u00f6sand"
3725     },
3726     "Beskrivning": {},
3727     "Dolt": false,
3728     "Giltighetsperiod": {},
3729     "ID": "280",

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3730     "Kod": "T7500",
3731     "KommunID": "249",
3732     "LarosateID": -1
3733 },
3734 {
3735     "Benamning": {
3736         "sv": "Sundsvall",
3737         "en": "Sundsvall"
3738     },
3739     "Beskrivning": {},
3740     "Dolt": false,
3741     "Giltighetsperiod": {},
3742     "ID": "281",
3743     "Kod": "T7688",
3744     "KommunID": "250",
3745     "LarosateID": -1
3746 },
3747 {
3748     "Benamning": {
3749         "sv": "Kramfors",
3750         "en": "Kramfors"
3751     },
3752     "Beskrivning": {},
3753     "Dolt": false,
3754     "Giltighetsperiod": {},
3755     "ID": "282",
3756     "Kod": "T7524",
3757     "KommunID": "251",
3758     "LarosateID": -1
3759 },
3760 {
3761     "Benamning": {
3762         "sv": "Sollefte\u00e5",
3763         "en": "Sollefte\u00e5"
3764     },
3765     "Beskrivning": {},
3766     "Dolt": false,
3767     "Giltighetsperiod": {},
3768     "ID": "283",
3769     "Kod": "T7660",
3770     "KommunID": "252",
3771     "LarosateID": -1
3772 },
3773 {
3774     "Benamning": {
3775         "sv": "\u00d6rns\u00f6ldsvik",
3776         "en": "\u00d6rns\u00f6ldsvik"
3777     },
3778     "Beskrivning": {},
3779     "Dolt": false,

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3780     "Giltighetsperiod": {},
3781     "ID": "284",
3782     "Kod": "T7744",
3783     "KommunID": "253",
3784     "LarosateID": -1
3785 },
3786 {
3787     "Benamning": {
3788         "sv": "Hammarstrand",
3789         "en": "Hammarstrand"
3790     },
3791     "Beskrivning": {},
3792     "Dolt": false,
3793     "Giltighetsperiod": {},
3794     "ID": "285",
3795     "Kod": "T7856",
3796     "KommunID": "254",
3797     "LarosateID": -1
3798 },
3799 {
3800     "Benamning": {
3801         "sv": "Br\u00e4cke",
3802         "en": "Br\u00e4cke"
3803     },
3804     "Beskrivning": {},
3805     "Dolt": false,
3806     "Giltighetsperiod": {},
3807     "ID": "286",
3808     "Kod": "T7816",
3809     "KommunID": "255",
3810     "LarosateID": -1
3811 },
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3813     "Benamning": {
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3815         "en": "Krokom"
3816     },
3817     "Beskrivning": {},
3818     "Dolt": false,
3819     "Giltighetsperiod": {},
3820     "ID": "287",
3821     "Kod": "T7888",
3822     "KommunID": "256",
3823     "LarosateID": -1
3824 },
3825 {
3826     "Benamning": {
3827         "sv": "Str\u00f6msund",
3828         "en": "Str\u00f6msund"
3829     },
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3830     "Beskrivning": {},
3831     "Dolt": false,
3832     "Giltighetsperiod": {},
3833     "ID": "288",
3834     "Kod": "T7960",
3835     "KommunID": "257",
3836     "LarosateID": -1
3837 },
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3841         "en": "J\u00e4rpen"
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3867         "en": "Svenstavik"
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3889 },
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3893     "en": "\u00d6stersund"
3894   },
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3906     "en": "Nordmaling"
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3919     "en": "Bjurholm"
3920   },
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3946     },
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3958         "en": "Norsj\u00f6"
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3960     "Beskrivning": {},
3961     "Dolt": false,
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3971         "en": "Mal\u00e5"
3972     },
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3976     "ID": "299",
3977     "Kod": "T8244",
3978     "KommunID": "267",
3979     "LarosateID": -1

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3984             "en": "Storuman"
3985         },
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3997             "en": "Sorsele"
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4004         "KommunID": "269",
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4010             "en": "Dorotea"
4011         },
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4013         "Dolt": false,
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4017         "KommunID": "270",
4018         "LarosateID": -1
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4023             "en": "V\u00e4nn\u00e4s"
4024         },
4025         "Beskrivning": {},
4026         "Dolt": false,
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4029         "Kod": "T8384",
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4036         "en": "Vilhelmina"
4037     },
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4049         "en": "\u00c5sele"
4050     },
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4062         "en": "Ume\u00e5"
4063     },
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4065     "Dolt": false,
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4075         "en": "Lycksele"
4076     },
4077     "Beskrivning": {},
4078     "Dolt": false,
4079     "Giltighetsperiod": {},
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4088         "en": "Burtr\u00e4sk"
4089     },
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4091     "Dolt": false,
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4101         "en": "Byske"
4102     },
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4104     "Dolt": false,
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4114         "en": "J\u00f6rn"
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4126         "sv": "L\u00f6v\u00e5nger",
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4153         "en": "Arvidsjaur"
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4166         "en": "Arjeplog"
4167     },
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4175 },
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4178         "sv": "Jokkmokk",
4179         "en": "Jokkmokk"
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4192         "en": "\u00d6verkalix"
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4204         "sv": "Kalix",
4205         "en": "Kalix"
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4212     "KommunID": "281",
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4218         "en": "\u00d6vertorne\u00e5"
4219     },
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4239 "LarosateID": -1
4240 },
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4265     "LarosateID": -1
4266 },
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4270         "en": "Lule\u00e5"
4271     },
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4273     "Dolt": false,
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4276     "Kod": "T8724",
4277     "KommunID": "286",
4278     "LarosateID": -1
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4283             "en": "Pite\u00e5"
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4297         },
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4309             "en": "Haparanda"
4310         },
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4312         "Dolt": false,
4313         "Giltighetsperiod": {},
4314         "ID": "325",
4315         "Kod": "T8604",
4316         "KommunID": "289",
4317         "LarosateID": -1
4318     },
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4322             "en": "Kiruna"
4323         },
4324         "Beskrivning": {},
4325         "Dolt": false,
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4328         "Kod": "T8676",
4329         "KommunID": "290",
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4335         "en": "Flyinge"
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4339     "Giltighetsperiod": {},
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4343     "LarosateID": -1
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4348         "en": "Onsala"
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4356     "LarosateID": -1
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4361         "en": "Str\u00f6msholm"
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4369     "LarosateID": -1
4370 },
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4374         "en": "Garpenberg"
4375     },
4376     "Beskrivning": {},
4377     "Dolt": false,
4378     "Giltighetsperiod": {},
4379     "ID": "101193",
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4387         "en": "F\u00e4rila"
4388     },
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4394     "KommunID": "241",
4395     "LarosateID": -1
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4400         "en": "S\u00f6r\u00e5ker"
4401     },
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4404     "Giltighetsperiod": {},
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4407     "KommunID": "248",
4408     "LarosateID": -1
4409 },
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4413         "en": "V\u00e4stra Bispg\u00e5rden"
4414     },
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4417     "Giltighetsperiod": {},
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4421     "LarosateID": -1
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4426         "en": "Hammerdal"
4427     },
4428     "Beskrivning": {},
4429     "Dolt": false,

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4434     "LarosateID": -1
4435 },
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4439         "en": "Hemavan"
4440     },
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4442     "Dolt": false,
4443     "Giltighetsperiod": {},
4444     "ID": "101198",
4445     "Kod": "T8198",
4446     "KommunID": "268",
4447     "LarosateID": -1
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4449 {
4450     "Benamning": {
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4452         "en": "T\u00e4rnaby"
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4454     "Beskrivning": {},
4455     "Dolt": false,
4456     "Giltighetsperiod": {},
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4459     "KommunID": "268",
4460     "LarosateID": -1
4461 },
4462 {
4463     "Benamning": {
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4465         "en": "Ammarn\u00e4s"
4466     },
4467     "Beskrivning": {},
4468     "Dolt": false,
4469     "Giltighetsperiod": {},
4470     "ID": "101200",
4471     "Kod": "S8405",
4472     "KommunID": "269",
4473     "LarosateID": -1
4474 },
4475 {
4476     "Benamning": {
4477         "sv": "Norrbyn",
4478         "en": "Norrbyn"
4479     },

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4484     "Kod": "TX814",
4485     "KommunID": "274",
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4491         "en": "Vuollerim"
4492     },
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4494     "Dolt": false,
4495     "Giltighetsperiod": {},
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4497     "Kod": "T8920",
4498     "KommunID": "279",
4499     "LarosateID": -1
4500 },
4501 {
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4504         "en": "S\u00f6dra Sunderbyn"
4505     },
4506     "Beskrivning": {},
4507     "Dolt": false,
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4511     "KommunID": "286",
4512     "LarosateID": -1
4513 },
4514 {
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4517         "en": "Abisko"
4518     },
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4520     "Dolt": false,
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4523     "Kod": "S9013",
4524     "KommunID": "290",
4525     "LarosateID": -1
4526 },
4527 {
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4530         "en": "\u00d6sterbymo"
4531     },
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4537     "KommunID": "45",
4538     "LarosateID": -1
4539 },
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4543         "en": "Stockholm (Huddinge)"
4544     },
4545     "Beskrivning": {},
4546     "Dolt": false,
4547     "Giltighetsperiod": {},
4548     "ID": "109830",
4549     "Kod": "L0126",
4550     "KommunID": "7",
4551     "LarosateID": -1
4552 },
4553 {
4554     "Benamning": {
4555         "sv": "Stockholm (Botkyrka)",
4556         "en": "Stockholm (Botkyrka)"
4557     },
4558     "Beskrivning": {},
4559     "Dolt": false,
4560     "Giltighetsperiod": {},
4561     "ID": "110990",
4562     "Kod": "L0127",
4563     "KommunID": "8",
4564     "LarosateID": -1
4565 },
4566 {
4567     "Benamning": {
4568         "sv": "Stockholm (Haninge)",
4569         "en": "Stockholm (Haninge)"
4570     },
4571     "Beskrivning": {},
4572     "Dolt": false,
4573     "Giltighetsperiod": {},
4574     "ID": "110991",
4575     "Kod": "L0136",
4576     "KommunID": "10",
4577     "LarosateID": -1
4578 },
4579 {

```

```

4580     "Benamning": {
4581         "sv": "G\u00f6teborg (Partille)",
4582         "en": "G\u00f6teborg (Partille)"
4583     },
4584     "Beskrivning": {},
4585     "Dolt": false,
4586     "Giltighetsperiod": {},
4587     "ID": "112678",
4588     "Kod": "L1402",
4589     "KommunID": "136",
4590     "LarosateID": -1
4591 },
4592 {
4593     "Benamning": {
4594         "sv": "Alnarp",
4595         "en": "Alnarp"
4596     },
4597     "Beskrivning": {},
4598     "Dolt": false,
4599     "Giltighetsperiod": {},
4600     "ID": "121570",
4601     "Kod": "TX400",
4602     "KommunID": "104",
4603     "LarosateID": -1
4604 },
4605 {
4606     "Benamning": {
4607         "sv": "Knivsta",
4608         "en": "Knivsta"
4609     },
4610     "Beskrivning": {},
4611     "Dolt": false,
4612     "Giltighetsperiod": {},
4613     "ID": "135292",
4614     "Kod": "T0576",
4615     "KommunID": "29",
4616     "LarosateID": -1
4617 },
4618 {
4619     "Benamning": {
4620         "sv": "F\u00e5r\u00f6sund",
4621         "en": "F\u00e5r\u00f6sund"
4622     },
4623     "Beskrivning": {},
4624     "Dolt": false,
4625     "Giltighetsperiod": {},
4626     "ID": "135293",
4627     "Kod": "T2504",
4628     "KommunID": "90",
4629     "LarosateID": -1

```

```

4630     },
4631     {
4632         "Benamning": {
4633             "sv": "Burl\u00f6v",
4634             "en": "Burl\u00f6v"
4635         },
4636         "Beskrivning": {},
4637         "Dolt": false,
4638         "Giltighetsperiod": {},
4639         "ID": "149908",
4640         "Kod": "L1231",
4641         "KommunID": "98",
4642         "LarosateID": -1
4643     },
4644     {
4645         "Benamning": {
4646             "sv": "Salem",
4647             "en": "Salem"
4648         },
4649         "Beskrivning": {},
4650         "Dolt": false,
4651         "Giltighetsperiod": {},
4652         "ID": "151548",
4653         "Kod": "L0128",
4654         "KommunID": "9",
4655         "LarosateID": -1
4656     }
4657 ]
4658 }

```

## 20.7 kommuner\_JSON

```

948a <LadokSession data methods 95c>+≡
    # added by GQMjr
    def kommuner_JSON(self):
        """
        Returns a dictionary of Swedish municipalities.
        """
        r = self.session.get(
            url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/kommun',
            headers=self.headers).json()
        return r

```

Let's add a test. This should return a dictionary.

```

948b <test functions 99b>+≡
    def test_kommuner_JSON():
        r = ladok.kommuner_JSON()
        assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```
1  {
2    "Kommun": [
3      {
4        "Benamning": {
5          "sv": "Danderyd",
6          "en": "Danderyd"
7        },
8        "Beskrivning": {},
9        "Dolt": false,
10       "Giltighetsperiod": {},
11       "ID": "15",
12       "Kod": "0162",
13       "LanID": 1,
14       "LarosateID": -1
15     },
16     {
17       "Benamning": {
18         "sv": "Sollentuna",
19         "en": "Sollentuna"
20       },
21       "Beskrivning": {},
22       "Dolt": false,
23       "Giltighetsperiod": {},
24       "ID": "16",
25       "Kod": "0163",
26       "LanID": 1,
27       "LarosateID": -1
28     },
29     {
30       "Benamning": {
31         "sv": "Stockholm",
32         "en": "Stockholm"
33       },
34       "Beskrivning": {},
35       "Dolt": false,
36       "Giltighetsperiod": {},
37       "ID": "17",
38       "Kod": "0180",
39       "LanID": 1,
40       "LarosateID": -1
41     },
42     {
43       "Benamning": {
44         "sv": "S\u00f6dert\u00e4lje",
45         "en": "S\u00f6dert\u00e4lje"
46       },
47       "Beskrivning": {},
48       "Dolt": false,
```

```
49     "Giltighetsperiod": {},
50     "ID": "18",
51     "Kod": "0181",
52     "LanID": 1,
53     "LarosateID": -1
54 },
55 {
56     "Benamning": {
57         "sv": "Nacka",
58         "en": "Nacka"
59     },
60     "Beskrivning": {},
61     "Dolt": false,
62     "Giltighetsperiod": {},
63     "ID": "19",
64     "Kod": "0182",
65     "LanID": 1,
66     "LarosateID": -1
67 },
68 {
69     "Benamning": {
70         "sv": "Sundbyberg",
71         "en": "Sundbyberg"
72     },
73     "Beskrivning": {},
74     "Dolt": false,
75     "Giltighetsperiod": {},
76     "ID": "20",
77     "Kod": "0183",
78     "LanID": 1,
79     "LarosateID": -1
80 },
81 {
82     "Benamning": {
83         "sv": "Solna",
84         "en": "Solna"
85     },
86     "Beskrivning": {},
87     "Dolt": false,
88     "Giltighetsperiod": {},
89     "ID": "21",
90     "Kod": "0184",
91     "LanID": 1,
92     "LarosateID": -1
93 },
94 {
95     "Benamning": {
96         "sv": "Liding\u00f6",
97         "en": "Liding\u00f6"
98     },
```

```
99     "Beskrivning": {},
100     "Dolt": false,
101     "Giltighetsperiod": {},
102     "ID": "22",
103     "Kod": "0186",
104     "LanID": 1,
105     "LarosateID": -1
106 },
107 {
108     "Benamning": {
109         "sv": "Vaxholm",
110         "en": "Vaxholm"
111     },
112     "Beskrivning": {},
113     "Dolt": false,
114     "Giltighetsperiod": {},
115     "ID": "23",
116     "Kod": "0187",
117     "LanID": 1,
118     "LarosateID": -1
119 },
120 {
121     "Benamning": {
122         "sv": "Norrt\u00e4lje",
123         "en": "Norrt\u00e4lje"
124     },
125     "Beskrivning": {},
126     "Dolt": false,
127     "Giltighetsperiod": {},
128     "ID": "24",
129     "Kod": "0188",
130     "LanID": 1,
131     "LarosateID": -1
132 },
133 {
134     "Benamning": {
135         "sv": "Sigtuna",
136         "en": "Sigtuna"
137     },
138     "Beskrivning": {},
139     "Dolt": false,
140     "Giltighetsperiod": {},
141     "ID": "25",
142     "Kod": "0191",
143     "LanID": 1,
144     "LarosateID": -1
145 },
146 {
147     "Benamning": {
148         "sv": "Nyn\u00e4shamn",
```

```

149         "en": "Nyn\u00e4shamn"
150     },
151     "Beskrivning": {},
152     "Dolt": false,
153     "Giltighetsperiod": {},
154     "ID": "26",
155     "Kod": "0192",
156     "LanID": 1,
157     "LarosateID": -1
158 },
159 {
160     "Benamning": {
161         "sv": "H\u00e5bo",
162         "en": "H\u00e5bo"
163     },
164     "Beskrivning": {},
165     "Dolt": false,
166     "Giltighetsperiod": {},
167     "ID": "27",
168     "Kod": "0305",
169     "LanID": 2,
170     "LarosateID": -1
171 },
172 {
173     "Benamning": {
174         "sv": "\u00c4lvkarleby",
175         "en": "\u00c4lvkarleby"
176     },
177     "Beskrivning": {},
178     "Dolt": false,
179     "Giltighetsperiod": {},
180     "ID": "28",
181     "Kod": "0319",
182     "LanID": 2,
183     "LarosateID": -1
184 },
185 {
186     "Benamning": {
187         "sv": "Aneby",
188         "en": "Aneby"
189     },
190     "Beskrivning": {},
191     "Dolt": false,
192     "Giltighetsperiod": {},
193     "ID": "57",
194     "Kod": "0604",
195     "LanID": 5,
196     "LarosateID": -1
197 },
198 {

```

```

199     "Benamning": {
200         "sv": "Gnosj\u00f6",
201         "en": "Gnosj\u00f6"
202     },
203     "Beskrivning": {},
204     "Dolt": false,
205     "Giltighetsperiod": {},
206     "ID": "58",
207     "Kod": "0617",
208     "LanID": 5,
209     "LarosateID": -1
210 },
211 {
212     "Benamning": {
213         "sv": "Mullsj\u00f6",
214         "en": "Mullsj\u00f6"
215     },
216     "Beskrivning": {
217         "sv": "\u00d6verf\u00f6rd fr\u00e5n Skaraborgs till J\u00f6nk\u00f6pings l\u00e4n"
218     },
219     "Dolt": false,
220     "Giltighetsperiod": {
221         "Startdatum": "1998-01-01"
222     },
223     "ID": "59",
224     "Kod": "0642",
225     "LanID": 5,
226     "LarosateID": -1
227 },
228 {
229     "Benamning": {
230         "sv": "Habo",
231         "en": "Habo"
232     },
233     "Beskrivning": {
234         "sv": "\u00d6verf\u00f6rd fr\u00e5n Skaraborgs till J\u00f6nk\u00f6pings l\u00e4n"
235     },
236     "Dolt": false,
237     "Giltighetsperiod": {
238         "Startdatum": "1998-01-01"
239     },
240     "ID": "60",
241     "Kod": "0643",
242     "LanID": 5,
243     "LarosateID": -1
244 },
245 {
246     "Benamning": {
247         "sv": "Gislaved",
248         "en": "Gislaved"

```



```

249     },
250     "Beskrivning": {},
251     "Dolt": false,
252     "Giltighetsperiod": {},
253     "ID": "61",
254     "Kod": "0662",
255     "LanID": 5,
256     "LarosateID": -1
257 },
258 {
259     "Benamning": {
260         "sv": "Vaggeryd",
261         "en": "Vaggeryd"
262     },
263     "Beskrivning": {},
264     "Dolt": false,
265     "Giltighetsperiod": {},
266     "ID": "62",
267     "Kod": "0665",
268     "LanID": 5,
269     "LarosateID": -1
270 },
271 {
272     "Benamning": {
273         "sv": "J\u00f6nk\u00f6ping",
274         "en": "J\u00f6nk\u00f6ping"
275     },
276     "Beskrivning": {},
277     "Dolt": false,
278     "Giltighetsperiod": {},
279     "ID": "63",
280     "Kod": "0680",
281     "LanID": 5,
282     "LarosateID": -1
283 },
284 {
285     "Benamning": {
286         "sv": "N\u00e4ssj\u00f6",
287         "en": "N\u00e4ssj\u00f6"
288     },
289     "Beskrivning": {},
290     "Dolt": false,
291     "Giltighetsperiod": {},
292     "ID": "64",
293     "Kod": "0682",
294     "LanID": 5,
295     "LarosateID": -1
296 },
297 {
298     "Benamning": {

```

```

299         "sv": "V\u00e4rnamo",
300         "en": "V\u00e4rnamo"
301     },
302     "Beskrivning": {},
303     "Dolt": false,
304     "Giltighetsperiod": {},
305     "ID": "65",
306     "Kod": "0683",
307     "LanID": 5,
308     "LarosateID": -1
309 },
310 {
311     "Benamning": {
312         "sv": "S\u00e4vsj\u00f6",
313         "en": "S\u00e4vsj\u00f6"
314     },
315     "Beskrivning": {},
316     "Dolt": false,
317     "Giltighetsperiod": {},
318     "ID": "66",
319     "Kod": "0684",
320     "LanID": 5,
321     "LarosateID": -1
322 },
323 {
324     "Benamning": {
325         "sv": "Vetlanda",
326         "en": "Vetlanda"
327     },
328     "Beskrivning": {},
329     "Dolt": false,
330     "Giltighetsperiod": {},
331     "ID": "67",
332     "Kod": "0685",
333     "LanID": 5,
334     "LarosateID": -1
335 },
336 {
337     "Benamning": {
338         "sv": "Eksj\u00f6",
339         "en": "Eksj\u00f6"
340     },
341     "Beskrivning": {},
342     "Dolt": false,
343     "Giltighetsperiod": {},
344     "ID": "68",
345     "Kod": "0686",
346     "LanID": 5,
347     "LarosateID": -1
348 },

```

```
349     {
350         "Benamning": {
351             "sv": "Tran\u000e5s",
352             "en": "Tran\u000e5s"
353         },
354         "Beskrivning": {},
355         "Dolt": false,
356         "Giltighetsperiod": {},
357         "ID": "69",
358         "Kod": "0687",
359         "LanID": 5,
360         "LarosateID": -1
361     },
362     {
363         "Benamning": {
364             "sv": "Uppvidinge",
365             "en": "Uppvidinge"
366         },
367         "Beskrivning": {},
368         "Dolt": false,
369         "Giltighetsperiod": {},
370         "ID": "70",
371         "Kod": "0760",
372         "LanID": 6,
373         "LarosateID": -1
374     },
375     {
376         "Benamning": {
377             "sv": "Perstorp",
378             "en": "Perstorp"
379         },
380         "Beskrivning": {},
381         "Dolt": false,
382         "Giltighetsperiod": {},
383         "ID": "113",
384         "Kod": "1275",
385         "LanID": 10,
386         "LarosateID": -1
387     },
388     {
389         "Benamning": {
390             "sv": "Klippan",
391             "en": "Klippan"
392         },
393         "Beskrivning": {},
394         "Dolt": false,
395         "Giltighetsperiod": {},
396         "ID": "114",
397         "Kod": "1276",
398         "LanID": 10,
```

```

399     "LarosateID": -1
400 },
401 {
402     "Benamning": {
403         "sv": "\u00c5storp",
404         "en": "\u00c5storp"
405     },
406     "Beskrivning": {},
407     "Dolt": false,
408     "Giltighetsperiod": {},
409     "ID": "115",
410     "Kod": "1277",
411     "LanID": 10,
412     "LarosateID": -1
413 },
414 {
415     "Benamning": {
416         "sv": "B\u00e5stad",
417         "en": "B\u00e5stad"
418     },
419     "Beskrivning": {},
420     "Dolt": false,
421     "Giltighetsperiod": {},
422     "ID": "116",
423     "Kod": "1278",
424     "LanID": 10,
425     "LarosateID": -1
426 },
427 {
428     "Benamning": {
429         "sv": "Malm\u00f6",
430         "en": "Malm\u00f6"
431     },
432     "Beskrivning": {},
433     "Dolt": false,
434     "Giltighetsperiod": {},
435     "ID": "117",
436     "Kod": "1280",
437     "LanID": 10,
438     "LarosateID": -1
439 },
440 {
441     "Benamning": {
442         "sv": "Lund",
443         "en": "Lund"
444     },
445     "Beskrivning": {},
446     "Dolt": false,
447     "Giltighetsperiod": {},
448     "ID": "118",

```

```
449     "Kod": "1281",
450     "LanID": 10,
451     "LarosateID": -1
452 },
453 {
454     "Benamning": {
455         "sv": "Landskrona",
456         "en": "Landskrona"
457     },
458     "Beskrivning": {},
459     "Dolt": false,
460     "Giltighetsperiod": {},
461     "ID": "119",
462     "Kod": "1282",
463     "LanID": 10,
464     "LarosateID": -1
465 },
466 {
467     "Benamning": {
468         "sv": "Helsingborg",
469         "en": "Helsingborg"
470     },
471     "Beskrivning": {},
472     "Dolt": false,
473     "Giltighetsperiod": {},
474     "ID": "120",
475     "Kod": "1283",
476     "LanID": 10,
477     "LarosateID": -1
478 },
479 {
480     "Benamning": {
481         "sv": "H\u00f6gan\u00e4s",
482         "en": "H\u00f6gan\u00e4s"
483     },
484     "Beskrivning": {},
485     "Dolt": false,
486     "Giltighetsperiod": {},
487     "ID": "121",
488     "Kod": "1284",
489     "LanID": 10,
490     "LarosateID": -1
491 },
492 {
493     "Benamning": {
494         "sv": "Esl\u00f6v",
495         "en": "Esl\u00f6v"
496     },
497     "Beskrivning": {},
498     "Dolt": false,
```

```
499     "Giltighetsperiod": {},
500     "ID": "122",
501     "Kod": "1285",
502     "LanID": 10,
503     "LarosateID": -1
504 },
505 {
506     "Benamning": {
507         "sv": "Ystad",
508         "en": "Ystad"
509     },
510     "Beskrivning": {},
511     "Dolt": false,
512     "Giltighetsperiod": {},
513     "ID": "123",
514     "Kod": "1286",
515     "LanID": 10,
516     "LarosateID": -1
517 },
518 {
519     "Benamning": {
520         "sv": "Trelleborg",
521         "en": "Trelleborg"
522     },
523     "Beskrivning": {},
524     "Dolt": false,
525     "Giltighetsperiod": {},
526     "ID": "124",
527     "Kod": "1287",
528     "LanID": 10,
529     "LarosateID": -1
530 },
531 {
532     "Benamning": {
533         "sv": "Kristianstad",
534         "en": "Kristianstad"
535     },
536     "Beskrivning": {},
537     "Dolt": false,
538     "Giltighetsperiod": {},
539     "ID": "125",
540     "Kod": "1290",
541     "LanID": 10,
542     "LarosateID": -1
543 },
544 {
545     "Benamning": {
546         "sv": "Simrishamn",
547         "en": "Simrishamn"
548     },
```

```
549     "Beskrivning": {},
550     "Dolt": false,
551     "Giltighetsperiod": {},
552     "ID": "126",
553     "Kod": "1291",
554     "LanID": 10,
555     "LarosateID": -1
556 },
557 {
558     "Benamning": {
559         "sv": "Bengtsfors",
560         "en": "Bengtsfors"
561     },
562     "Beskrivning": {},
563     "Dolt": false,
564     "Giltighetsperiod": {},
565     "ID": "155",
566     "Kod": "1460",
567     "LanID": 12,
568     "LarosateID": -1
569 },
570 {
571     "Benamning": {
572         "sv": "Mellerud",
573         "en": "Mellerud"
574     },
575     "Beskrivning": {},
576     "Dolt": false,
577     "Giltighetsperiod": {},
578     "ID": "156",
579     "Kod": "1461",
580     "LanID": 12,
581     "LarosateID": -1
582 },
583 {
584     "Benamning": {
585         "sv": "Lilla Edet",
586         "en": "Lilla Edet"
587     },
588     "Beskrivning": {},
589     "Dolt": false,
590     "Giltighetsperiod": {},
591     "ID": "157",
592     "Kod": "1462",
593     "LanID": 12,
594     "LarosateID": -1
595 },
596 {
597     "Benamning": {
598         "sv": "Mark",
```

```
599         "en": "Mark"
600     },
601     "Beskrivning": {},
602     "Dolt": false,
603     "Giltighetsperiod": {},
604     "ID": "158",
605     "Kod": "1463",
606     "LanID": 12,
607     "LarosateID": -1
608 },
609 {
610     "Benamning": {
611         "sv": "Svenljunga",
612         "en": "Svenljunga"
613     },
614     "Beskrivning": {},
615     "Dolt": false,
616     "Giltighetsperiod": {},
617     "ID": "159",
618     "Kod": "1465",
619     "LanID": 12,
620     "LarosateID": -1
621 },
622 {
623     "Benamning": {
624         "sv": "Herrljunga",
625         "en": "Herrljunga"
626     },
627     "Beskrivning": {},
628     "Dolt": false,
629     "Giltighetsperiod": {},
630     "ID": "160",
631     "Kod": "1466",
632     "LanID": 12,
633     "LarosateID": -1
634 },
635 {
636     "Benamning": {
637         "sv": "Vara",
638         "en": "Vara"
639     },
640     "Beskrivning": {},
641     "Dolt": false,
642     "Giltighetsperiod": {},
643     "ID": "161",
644     "Kod": "1470",
645     "LanID": 12,
646     "LarosateID": -1
647 },
648 {
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651         "en": "G\u00f6tene"
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678     },
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680     "Dolt": false,
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690         "en": "Skara"
691     },
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694     "Giltighetsperiod": {},
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729             "en": "Tidaholm"
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782     },  
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794         "en": "Storfors"  
795     },  
796     "Beskrivning": {},  
797     "Dolt": false,  
798     "Giltighetsperiod": {},
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803 },
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807         "en": "Hammar\u00f6"
808     },
809     "Beskrivning": {},
810     "Dolt": false,
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833         "en": "Forshaga"
834     },
835     "Beskrivning": {},
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846         "en": "Grums"
847     },
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881 },
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885         "en": "Askersund"
886     },
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897         "sv": "Karlskoga",
898         "en": "Karlskoga"
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906     "LarosateID": -1
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911         "en": "Nora"
912     },
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920 },
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924         "en": "Lindesberg"
925     },
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932     "LarosateID": -1
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937         "en": "Skinnskatteberg"
938     },
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940     "Dolt": false,
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942     "ID": "212",
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944     "LanID": 15,
945     "LarosateID": -1
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948     "Benamning": {
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949         "sv": "Surahammar",
950         "en": "Surahammar"
951     },
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953     "Dolt": false,
954     "Giltighetsperiod": {},
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957     "LanID": 15,
958     "LarosateID": -1
959 },
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962         "sv": "Heby",
963         "en": "Heby"
964     },
965     "Beskrivning": {
966         "sv": "\u00d6verf\u00f6rd fr\u00e5n V\u00e4stmanlands till Uppsala l\u00e5n"
967     },
968     "Dolt": false,
969     "Giltighetsperiod": {
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971     },
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973     "Kod": "1917",
974     "LanID": 15,
975     "LarosateID": -1
976 },
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980         "en": "Kungs\u00f6r"
981     },
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988     "LarosateID": -1
989 },
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991     "Benamning": {
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993         "en": "Hallstahammar"
994     },
995     "Beskrivning": {},
996     "Dolt": false,
997     "Giltighetsperiod": {},
998     "ID": "215",

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1007     },
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1012     "Kod": "1962",
1013     "LanID": 15,
1014     "LarosateID": -1
1015 },
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1019         "en": "V\u00e4ster\u00e5s"
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1021     "Beskrivning": {},
1022     "Dolt": false,
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1026     "LanID": 15,
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1028 },
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1032         "en": "Sala"
1033     },
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1039     "LanID": 15,
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1045         "en": "Fagersta"
1046     },
1047     "Beskrivning": {},
1048     "Dolt": false,
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1058         "en": "Hedemora"
1059     },
1060     "Beskrivning": {},
1061     "Dolt": false,
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1065     "LanID": 16,
1066     "LarosateID": -1
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1071         "en": "Avesta"
1072     },
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1084         "en": "Ludvika"
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1092     "LarosateID": -1
1093 },
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1096         "sv": "Ockelbo",
1097         "en": "Ockelbo"
1098     },
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1105     "LarosateID": -1
1106 },
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1110         "en": "Hofors"
1111     },
1112     "Beskrivning": {},
1113     "Dolt": false,
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1115     "ID": "238",
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1117     "LanID": 17,
1118     "LarosateID": -1
1119 },
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1122         "sv": "Ovan\u00e5ker",
1123         "en": "Ovan\u00e5ker"
1124     },
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1126     "Dolt": false,
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1132 },
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1136         "en": "Nordanstig"
1137     },
1138     "Beskrivning": {},
1139     "Dolt": false,
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1143     "LanID": 17,
1144     "LarosateID": -1
1145 },
1146 {
1147     "Benamning": {
1148         "sv": "Ljusdal",
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1149         "en": "Ljusdal"
1150     },
1151     "Beskrivning": {},
1152     "Dolt": false,
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1157     "LarosateID": -1
1158 },
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1161         "sv": "G\u00e4vle",
1162         "en": "G\u00e4vle"
1163     },
1164     "Beskrivning": {},
1165     "Dolt": false,
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1170     "LarosateID": -1
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1175         "en": "Sandviken"
1176     },
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1183     "LarosateID": -1
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1188         "en": "S\u00f6derhamn"
1189     },
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1191     "Dolt": false,
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1195     "LanID": 17,
1196     "LarosateID": -1
1197 },
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1201         "en": "Bolln\u00e4s"
1202     },
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1214         "en": "Hudiksvall"
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1240         "en": "Nordmaling"
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1247     "LanID": 20,
1248     "LarosateID": -1

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1255         "Beskrivning": {},
1256         "Dolt": false,
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1258         "ID": "263",
1259         "Kod": "2403",
1260         "LanID": 20,
1261         "LarosateID": -1
1262     },
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1265             "sv": "Vindeln",
1266             "en": "Vindeln"
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1268         "Beskrivning": {},
1269         "Dolt": false,
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1273         "LanID": 20,
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1279             "en": "Robertsfors"
1280         },
1281         "Beskrivning": {},
1282         "Dolt": false,
1283         "Giltighetsperiod": {},
1284         "ID": "265",
1285         "Kod": "2409",
1286         "LanID": 20,
1287         "LarosateID": -1
1288     },
1289     {
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1291             "sv": "Norsj\u00f6",
1292             "en": "Norsj\u00f6"
1293         },
1294         "Beskrivning": {},
1295         "Dolt": false,
1296         "Giltighetsperiod": {},
1297         "ID": "266",
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1300     "LarosateID": -1  
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1305         "en": "Mal\u00e5"  
1306     },  
1307     "Beskrivning": {},  
1308     "Dolt": false,  
1309     "Giltighetsperiod": {},  
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1313     "LarosateID": -1  
1314 },  
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1318         "en": "Storuman"  
1319     },  
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1325     "LanID": 20,  
1326     "LarosateID": -1  
1327 },  
1328 {  
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1331         "en": "Sorsele"  
1332     },  
1333     "Beskrivning": {},  
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1335     "Giltighetsperiod": {},  
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1337     "Kod": "2422",  
1338     "LanID": 20,  
1339     "LarosateID": -1  
1340 },  
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1344         "en": "Dorotea"  
1345     },  
1346     "Beskrivning": {},  
1347     "Dolt": false,  
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1352     "LarosateID": -1
1353 },
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1357         "en": "V\u00e4nn\u00e4s"
1358     },
1359     "Beskrivning": {},
1360     "Dolt": false,
1361     "Giltighetsperiod": {},
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1364     "LanID": 20,
1365     "LarosateID": -1
1366 },
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1370         "en": "Vilhelmina"
1371     },
1372     "Beskrivning": {},
1373     "Dolt": false,
1374     "Giltighetsperiod": {},
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1378     "LarosateID": -1
1379 },
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1382         "sv": "\u00c5sele",
1383         "en": "\u00c5sele"
1384     },
1385     "Beskrivning": {},
1386     "Dolt": false,
1387     "Giltighetsperiod": {},
1388     "ID": "273",
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1390     "LanID": 20,
1391     "LarosateID": -1
1392 },
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1395         "sv": "Ume\u00e5",
1396         "en": "Ume\u00e5"
1397     },
1398     "Beskrivning": {},

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1405 },
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1409         "en": "Lycksele"
1410     },
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1412     "Dolt": false,
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1414     "ID": "275",
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1422         "en": "Kiruna"
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1429     "LanID": 21,
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1431 },
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1434         "sv": "Upplands V\u00e4rmland",
1435         "en": "Upplands V\u00e4rmland"
1436     },
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1447         "sv": "Vallentuna",
1448         "en": "Vallentuna"

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1453     "ID": "2",
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1461         "en": "\u00d6ster\u00e5ker"
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1472     "Benamning": {
1473         "sv": "V\u00e4rmd\u00f6",
1474         "en": "V\u00e4rmd\u00f6"
1475     },
1476     "Beskrivning": {},
1477     "Dolt": false,
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1479     "ID": "4",
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1481     "LanID": 1,
1482     "LarosateID": -1
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1485     "Benamning": {
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1488     },
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1494     "LanID": 1,
1495     "LarosateID": -1
1496 },
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1498     "Benamning": {

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1500     "en": "Eker\u00f6"
1501 },
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1506 "Kod": "0125",
1507 "LanID": 1,
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1509 },
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1513         "en": "Huddinge"
1514     },
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1526         "en": "Botkyrka"
1527     },
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1539         "en": "Salem"
1540     },
1541     "Beskrivning": {},
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1545     "Kod": "0128",
1546     "LanID": 1,
1547     "LarosateID": -1
1548 },
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1552             "en": "Haninge"
1553         },
1554         "Beskrivning": {},
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1565             "en": "Tyres\u00f6"
1566         },
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1578             "en": "Upplands-Bro"
1579         },
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1592         },
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1594         "Dolt": false,
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1597         "Kod": "0140",
1598         "LanID": 1,
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1600 },
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1604         "en": "T\u00e4by"
1605     },
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1607     "Dolt": false,
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1609     "ID": "14",
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1611     "LanID": 1,
1612     "LarosateID": -1
1613 },
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1616         "sv": "Trosa",
1617         "en": "Trosa"
1618     },
1619     "Beskrivning": {},
1620     "Dolt": false,
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1622     "ID": "43",
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1625     "LarosateID": -1
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1628     "Benamning": {
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1630         "en": "\u00d6desh\u00f6g"
1631     },
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1633     "Dolt": false,
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1643         "en": "Ydre"
1644     },
1645     "Beskrivning": {},
1646     "Dolt": false,
1647     "Giltighetsperiod": {},
1648     "ID": "45",
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1650     "LanID": 4,
1651     "LarosateID": -1
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1654     "Benamning": {
1655         "sv": "Kinda",
1656         "en": "Kinda"
1657     },
1658     "Beskrivning": {},
1659     "Dolt": false,
1660     "Giltighetsperiod": {},
1661     "ID": "46",
1662     "Kod": "0513",
1663     "LanID": 4,
1664     "LarosateID": -1
1665 },
1666 {
1667     "Benamning": {
1668         "sv": "Boxholm",
1669         "en": "Boxholm"
1670     },
1671     "Beskrivning": {},
1672     "Dolt": false,
1673     "Giltighetsperiod": {},
1674     "ID": "47",
1675     "Kod": "0560",
1676     "LanID": 4,
1677     "LarosateID": -1
1678 },
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1682         "en": "\u00c5tvidaberg"
1683     },
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1685     "Dolt": false,
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1689     "LanID": 4,
1690     "LarosateID": -1
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1692 {
1693     "Benamning": {
1694         "sv": "Finsp\u00e5ng",
1695         "en": "Finsp\u00e5ng"
1696     },
1697     "Beskrivning": {},
1698     "Dolt": false,
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1703     "LarosateID": -1
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1707         "sv": "Valdemarsvik",
1708         "en": "Valdemarsvik"
1709     },
1710     "Beskrivning": {},
1711     "Dolt": false,
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1715     "LanID": 4,
1716     "LarosateID": -1
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1721         "en": "Link\u00f6ping"
1722     },
1723     "Beskrivning": {},
1724     "Dolt": false,
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1727     "Kod": "0580",
1728     "LanID": 4,
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1733         "sv": "Norrk\u00f6ping",
1734         "en": "Norrk\u00f6ping"
1735     },
1736     "Beskrivning": {},
1737     "Dolt": false,
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1739     "ID": "52",
1740     "Kod": "0581",
1741     "LanID": 4,
1742     "LarosateID": -1
1743 },
1744 {
1745     "Benamning": {
1746         "sv": "S\u00f6derk\u00f6ping",
1747         "en": "S\u00f6derk\u00f6ping"
1748     },
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1752     "ID": "53",
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1755     "LarosateID": -1
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1759         "sv": "Motala",
1760         "en": "Motala"
1761     },
1762     "Beskrivning": {},
1763     "Dolt": false,
1764     "Giltighetsperiod": {},
1765     "ID": "54",
1766     "Kod": "0583",
1767     "LanID": 4,
1768     "LarosateID": -1
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1772         "sv": "Vadstena",
1773         "en": "Vadstena"
1774     },
1775     "Beskrivning": {},
1776     "Dolt": false,
1777     "Giltighetsperiod": {},
1778     "ID": "55",
1779     "Kod": "0584",
1780     "LanID": 4,
1781     "LarosateID": -1
1782 },
1783 {
1784     "Benamning": {
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1786         "en": "Mj\u00f6lby"
1787     },
1788     "Beskrivning": {},
1789     "Dolt": false,
1790     "Giltighetsperiod": {},
1791     "ID": "56",
1792     "Kod": "0586",
1793     "LanID": 4,
1794     "LarosateID": -1
1795 },
1796 {
1797     "Benamning": {
1798         "sv": "Nybro",
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1799         "en": "Nybro"
1800     },
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1802     "Dolt": false,
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1804     "ID": "85",
1805     "Kod": "0881",
1806     "LanID": 7,
1807     "LarosateID": -1
1808 },
1809 {
1810     "Benamning": {
1811         "sv": "Oskarshamn",
1812         "en": "Oskarshamn"
1813     },
1814     "Beskrivning": {},
1815     "Dolt": false,
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1817     "ID": "86",
1818     "Kod": "0882",
1819     "LanID": 7,
1820     "LarosateID": -1
1821 },
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1823     "Benamning": {
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1825         "en": "V\u00e4stervik"
1826     },
1827     "Beskrivning": {},
1828     "Dolt": false,
1829     "Giltighetsperiod": {},
1830     "ID": "87",
1831     "Kod": "0883",
1832     "LanID": 7,
1833     "LarosateID": -1
1834 },
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1837         "sv": "Vimmerby",
1838         "en": "Vimmerby"
1839     },
1840     "Beskrivning": {},
1841     "Dolt": false,
1842     "Giltighetsperiod": {},
1843     "ID": "88",
1844     "Kod": "0884",
1845     "LanID": 7,
1846     "LarosateID": -1
1847 },
1848 {

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1851         "en": "Borgholm"
1852     },
1853     "Beskrivning": {},
1854     "Dolt": false,
1855     "Giltighetsperiod": {},
1856     "ID": "89",
1857     "Kod": "0885",
1858     "LanID": 7,
1859     "LarosateID": -1
1860 },
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1862     "Benamning": {
1863         "sv": "Gotland",
1864         "en": "Gotland"
1865     },
1866     "Beskrivning": {},
1867     "Dolt": false,
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1871     "LanID": 8,
1872     "LarosateID": -1
1873 },
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1875     "Benamning": {
1876         "sv": "Olofstr\u00f6m",
1877         "en": "Olofstr\u00f6m"
1878     },
1879     "Beskrivning": {},
1880     "Dolt": false,
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1882     "ID": "91",
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1885     "LarosateID": -1
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1889         "sv": "Karlskrona",
1890         "en": "Karlskrona"
1891     },
1892     "Beskrivning": {},
1893     "Dolt": false,
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1896     "Kod": "1080",
1897     "LanID": 9,
1898     "LarosateID": -1
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1904         },
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1906         "Dolt": false,
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1908         "ID": "93",
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1912     },
1913     {
1914         "Benamning": {
1915             "sv": "Karlshamn",
1916             "en": "Karlshamn"
1917         },
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1919         "Dolt": false,
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1922         "Kod": "1082",
1923         "LanID": 9,
1924         "LarosateID": -1
1925     },
1926     {
1927         "Benamning": {
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1929             "en": "S\u00f6lvesborg"
1930         },
1931         "Beskrivning": {},
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1935         "Kod": "1083",
1936         "LanID": 9,
1937         "LarosateID": -1
1938     },
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1942             "en": "Sval\u00f6"
1943         },
1944         "Beskrivning": {},
1945         "Dolt": false,
1946         "Giltighetsperiod": {},
1947         "ID": "96",
1948         "Kod": "1214",
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1956     },
1957     "Beskrivning": {},
1958     "Dolt": false,
1959     "Giltighetsperiod": {},
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1967         "sv": "Burl\u00f6v",
1968         "en": "Burl\u00f6v"
1969     },
1970     "Beskrivning": {},
1971     "Dolt": false,
1972     "Giltighetsperiod": {},
1973     "ID": "98",
1974     "Kod": "1231",
1975     "LanID": 10,
1976     "LarosateID": -1
1977 },
1978 {
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1980         "sv": "\u00c4ngelholm",
1981         "en": "\u00c4ngelholm"
1982     },
1983     "Beskrivning": {},
1984     "Dolt": false,
1985     "Giltighetsperiod": {},
1986     "ID": "127",
1987     "Kod": "1292",
1988     "LanID": 10,
1989     "LarosateID": -1
1990 },
1991 {
1992     "Benamning": {
1993         "sv": "H\u00e4ssleholm",
1994         "en": "H\u00e4ssleholm"
1995     },
1996     "Beskrivning": {},
1997     "Dolt": false,
1998     "Giltighetsperiod": {},
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2000     "Kod": "1293",
2001     "LanID": 10,
2002     "LarosateID": -1
2003 },
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2006         "sv": "Hylte",
2007         "en": "Hylte"
2008     },
2009     "Beskrivning": {},
2010     "Dolt": false,
2011     "Giltighetsperiod": {},
2012     "ID": "129",
2013     "Kod": "1315",
2014     "LanID": 11,
2015     "LarosateID": -1
2016 },
2017 {
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2020         "en": "Halmstad"
2021     },
2022     "Beskrivning": {},
2023     "Dolt": false,
2024     "Giltighetsperiod": {},
2025     "ID": "130",
2026     "Kod": "1380",
2027     "LanID": 11,
2028     "LarosateID": -1
2029 },
2030 {
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2032         "sv": "Laholm",
2033         "en": "Laholm"
2034     },
2035     "Beskrivning": {},
2036     "Dolt": false,
2037     "Giltighetsperiod": {},
2038     "ID": "131",
2039     "Kod": "1381",
2040     "LanID": 11,
2041     "LarosateID": -1
2042 },
2043 {
2044     "Benamning": {
2045         "sv": "Falkenberg",
2046         "en": "Falkenberg"
2047     },
2048     "Beskrivning": {},
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2052     "Kod": "1382",
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2054     "LarosateID": -1
2055 },
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2057     "Benamning": {
2058         "sv": "Varberg",
2059         "en": "Varberg"
2060     },
2061     "Beskrivning": {},
2062     "Dolt": false,
2063     "Giltighetsperiod": {},
2064     "ID": "133",
2065     "Kod": "1383",
2066     "LanID": 11,
2067     "LarosateID": -1
2068 },
2069 {
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2071         "sv": "Kungsbacka",
2072         "en": "Kungsbacka"
2073     },
2074     "Beskrivning": {},
2075     "Dolt": false,
2076     "Giltighetsperiod": {},
2077     "ID": "134",
2078     "Kod": "1384",
2079     "LanID": 11,
2080     "LarosateID": -1
2081 },
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2085         "en": "H\u00e4rryda"
2086     },
2087     "Beskrivning": {},
2088     "Dolt": false,
2089     "Giltighetsperiod": {},
2090     "ID": "135",
2091     "Kod": "1401",
2092     "LanID": 12,
2093     "LarosateID": -1
2094 },
2095 {
2096     "Benamning": {
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2098         "en": "Partille"
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2101     "Dolt": false,
2102     "Giltighetsperiod": {},
2103     "ID": "136",
2104     "Kod": "1402",
2105     "LanID": 12,
2106     "LarosateID": -1
2107 },
2108 {
2109     "Benamning": {
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2111         "en": "\u00d6cker\u00f6"
2112     },
2113     "Beskrivning": {},
2114     "Dolt": false,
2115     "Giltighetsperiod": {},
2116     "ID": "137",
2117     "Kod": "1407",
2118     "LanID": 12,
2119     "LarosateID": -1
2120 },
2121 {
2122     "Benamning": {
2123         "sv": "Stenungsund",
2124         "en": "Stenungsund"
2125     },
2126     "Beskrivning": {},
2127     "Dolt": false,
2128     "Giltighetsperiod": {},
2129     "ID": "138",
2130     "Kod": "1415",
2131     "LanID": 12,
2132     "LarosateID": -1
2133 },
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2135     "Benamning": {
2136         "sv": "Tj\u00f6rn",
2137         "en": "Tj\u00f6rn"
2138     },
2139     "Beskrivning": {},
2140     "Dolt": false,
2141     "Giltighetsperiod": {},
2142     "ID": "139",
2143     "Kod": "1419",
2144     "LanID": 12,
2145     "LarosateID": -1
2146 },
2147 {
2148     "Benamning": {

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2149         "sv": "Orust",
2150         "en": "Orust"
2151     },
2152     "Beskrivning": {},
2153     "Dolt": false,
2154     "Giltighetsperiod": {},
2155     "ID": "140",
2156     "Kod": "1421",
2157     "LanID": 12,
2158     "LarosateID": -1
2159 },
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2162         "sv": "G\u00f6teborg",
2163         "en": "G\u00f6teborg"
2164     },
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2166     "Dolt": false,
2167     "Giltighetsperiod": {},
2168     "ID": "165",
2169     "Kod": "1480",
2170     "LanID": 12,
2171     "LarosateID": -1
2172 },
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2176         "en": "M\u00f6lndal"
2177     },
2178     "Beskrivning": {},
2179     "Dolt": false,
2180     "Giltighetsperiod": {},
2181     "ID": "166",
2182     "Kod": "1481",
2183     "LanID": 12,
2184     "LarosateID": -1
2185 },
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2189         "en": "Kung\u00e4lv"
2190     },
2191     "Beskrivning": {},
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2193     "Giltighetsperiod": {},
2194     "ID": "167",
2195     "Kod": "1482",
2196     "LanID": 12,
2197     "LarosateID": -1
2198 },

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2202             "en": "Lysekil"
2203         },
2204         "Beskrivning": {},
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2210         "LarosateID": -1
2211     },
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2213         "Benamning": {
2214             "sv": "Uddevalle",
2215             "en": "Uddevalle"
2216         },
2217         "Beskrivning": {},
2218         "Dolt": false,
2219         "Giltighetsperiod": {},
2220         "ID": "169",
2221         "Kod": "1485",
2222         "LanID": 12,
2223         "LarosateID": -1
2224     },
2225     {
2226         "Benamning": {
2227             "sv": "Str\u00f6mstad",
2228             "en": "Str\u00f6mstad"
2229         },
2230         "Beskrivning": {},
2231         "Dolt": false,
2232         "Giltighetsperiod": {},
2233         "ID": "170",
2234         "Kod": "1486",
2235         "LanID": 12,
2236         "LarosateID": -1
2237     },
2238     {
2239         "Benamning": {
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2241             "en": "V\u00e4rnersborg"
2242         },
2243         "Beskrivning": {},
2244         "Dolt": false,
2245         "Giltighetsperiod": {},
2246         "ID": "171",
2247         "Kod": "1487",
2248         "LanID": 12,
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2249     "LarosateID": -1
2250 },
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2253         "sv": "Trollh\u00e4ttan",
2254         "en": "Trollh\u00e4ttan"
2255     },
2256     "Beskrivning": {},
2257     "Dolt": false,
2258     "Giltighetsperiod": {},
2259     "ID": "172",
2260     "Kod": "1488",
2261     "LanID": 12,
2262     "LarosateID": -1
2263 },
2264 {
2265     "Benamning": {
2266         "sv": "Alings\u00e5s",
2267         "en": "Alings\u00e5s"
2268     },
2269     "Beskrivning": {},
2270     "Dolt": false,
2271     "Giltighetsperiod": {},
2272     "ID": "173",
2273     "Kod": "1489",
2274     "LanID": 12,
2275     "LarosateID": -1
2276 },
2277 {
2278     "Benamning": {
2279         "sv": "Bor\u00e5s",
2280         "en": "Bor\u00e5s"
2281     },
2282     "Beskrivning": {},
2283     "Dolt": false,
2284     "Giltighetsperiod": {},
2285     "ID": "174",
2286     "Kod": "1490",
2287     "LanID": 12,
2288     "LarosateID": -1
2289 },
2290 {
2291     "Benamning": {
2292         "sv": "Ulricehamn",
2293         "en": "Ulricehamn"
2294     },
2295     "Beskrivning": {},
2296     "Dolt": false,
2297     "Giltighetsperiod": {},
2298     "ID": "175",
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2301     "LarosateID": -1
2302 },
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2306         "en": "\u00c5m\u00e5l"
2307     },
2308     "Beskrivning": {},
2309     "Dolt": false,
2310     "Giltighetsperiod": {},
2311     "ID": "176",
2312     "Kod": "1492",
2313     "LanID": 12,
2314     "LarosateID": -1
2315 },
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2319         "en": "Mariestad"
2320     },
2321     "Beskrivning": {},
2322     "Dolt": false,
2323     "Giltighetsperiod": {},
2324     "ID": "177",
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2326     "LanID": 12,
2327     "LarosateID": -1
2328 },
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2332         "en": "Lidk\u00f6ping"
2333     },
2334     "Beskrivning": {},
2335     "Dolt": false,
2336     "Giltighetsperiod": {},
2337     "ID": "178",
2338     "Kod": "1494",
2339     "LanID": 12,
2340     "LarosateID": -1
2341 },
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2343     "Benamning": {
2344         "sv": "Sunne",
2345         "en": "Sunne"
2346     },
2347     "Beskrivning": {},
2348     "Dolt": false,
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2349     "Giltighetsperiod": {},
2350     "ID": "193",
2351     "Kod": "1766",
2352     "LanID": 13,
2353     "LarosateID": -1
2354 },
2355 {
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2357         "sv": "Karlstad",
2358         "en": "Karlstad"
2359     },
2360     "Beskrivning": {},
2361     "Dolt": false,
2362     "Giltighetsperiod": {},
2363     "ID": "194",
2364     "Kod": "1780",
2365     "LanID": 13,
2366     "LarosateID": -1
2367 },
2368 {
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2370         "sv": "Kristinehamn",
2371         "en": "Kristinehamn"
2372     },
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2374     "Dolt": false,
2375     "Giltighetsperiod": {},
2376     "ID": "195",
2377     "Kod": "1781",
2378     "LanID": 13,
2379     "LarosateID": -1
2380 },
2381 {
2382     "Benamning": {
2383         "sv": "Filipstad",
2384         "en": "Filipstad"
2385     },
2386     "Beskrivning": {},
2387     "Dolt": false,
2388     "Giltighetsperiod": {},
2389     "ID": "196",
2390     "Kod": "1782",
2391     "LanID": 13,
2392     "LarosateID": -1
2393 },
2394 {
2395     "Benamning": {
2396         "sv": "Hagfors",
2397         "en": "Hagfors"
2398     },
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2399     "Beskrivning": {},
2400     "Dolt": false,
2401     "Giltighetsperiod": {},
2402     "ID": "197",
2403     "Kod": "1783",
2404     "LanID": 13,
2405     "LarosateID": -1
2406 },
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2408     "Benamning": {
2409         "sv": "Arvika",
2410         "en": "Arvika"
2411     },
2412     "Beskrivning": {},
2413     "Dolt": false,
2414     "Giltighetsperiod": {},
2415     "ID": "198",
2416     "Kod": "1784",
2417     "LanID": 13,
2418     "LarosateID": -1
2419 },
2420 {
2421     "Benamning": {
2422         "sv": "S\u00e4ffle",
2423         "en": "S\u00e4ffle"
2424     },
2425     "Beskrivning": {},
2426     "Dolt": false,
2427     "Giltighetsperiod": {},
2428     "ID": "199",
2429     "Kod": "1785",
2430     "LanID": 13,
2431     "LarosateID": -1
2432 },
2433 {
2434     "Benamning": {
2435         "sv": "Lekeberg",
2436         "en": "Lekeberg"
2437     },
2438     "Beskrivning": {},
2439     "Dolt": false,
2440     "Giltighetsperiod": {},
2441     "ID": "200",
2442     "Kod": "1814",
2443     "LanID": 14,
2444     "LarosateID": -1
2445 },
2446 {
2447     "Benamning": {
2448         "sv": "Lax\u00e5",
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2449         "en": "Lax\u00e5"
2450     },
2451     "Beskrivning": {},
2452     "Dolt": false,
2453     "Giltighetsperiod": {},
2454     "ID": "201",
2455     "Kod": "1860",
2456     "LanID": 14,
2457     "LarosateID": -1
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2460     "Benamning": {
2461         "sv": "Hallsberg",
2462         "en": "Hallsberg"
2463     },
2464     "Beskrivning": {},
2465     "Dolt": false,
2466     "Giltighetsperiod": {},
2467     "ID": "202",
2468     "Kod": "1861",
2469     "LanID": 14,
2470     "LarosateID": -1
2471 },
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2473     "Benamning": {
2474         "sv": "Degerfors",
2475         "en": "Degerfors"
2476     },
2477     "Beskrivning": {},
2478     "Dolt": false,
2479     "Giltighetsperiod": {},
2480     "ID": "203",
2481     "Kod": "1862",
2482     "LanID": 14,
2483     "LarosateID": -1
2484 },
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2486     "Benamning": {
2487         "sv": "H\u00e4llefors",
2488         "en": "H\u00e4llefors"
2489     },
2490     "Beskrivning": {},
2491     "Dolt": false,
2492     "Giltighetsperiod": {},
2493     "ID": "204",
2494     "Kod": "1863",
2495     "LanID": 14,
2496     "LarosateID": -1
2497 },
2498 {
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2500       "sv": "Ljusnarsberg",
2501       "en": "Ljusnarsberg"
2502     },
2503     "Beskrivning": {},
2504     "Dolt": false,
2505     "Giltighetsperiod": {},
2506     "ID": "205",
2507     "Kod": "1864",
2508     "LanID": 14,
2509     "LarosateID": -1
2510   },
2511   {
2512     "Benamning": {
2513       "sv": "\u00d6rebro",
2514       "en": "\u00d6rebro"
2515     },
2516     "Beskrivning": {},
2517     "Dolt": false,
2518     "Giltighetsperiod": {},
2519     "ID": "206",
2520     "Kod": "1880",
2521     "LanID": 14,
2522     "LarosateID": -1
2523   },
2524   {
2525     "Benamning": {
2526       "sv": "K\u00f6ping",
2527       "en": "K\u00f6ping"
2528     },
2529     "Beskrivning": {},
2530     "Dolt": false,
2531     "Giltighetsperiod": {},
2532     "ID": "220",
2533     "Kod": "1983",
2534     "LanID": 15,
2535     "LarosateID": -1
2536   },
2537   {
2538     "Benamning": {
2539       "sv": "Arboga",
2540       "en": "Arboga"
2541     },
2542     "Beskrivning": {},
2543     "Dolt": false,
2544     "Giltighetsperiod": {},
2545     "ID": "221",
2546     "Kod": "1984",
2547     "LanID": 15,
2548     "LarosateID": -1
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2551         "Benamning": {
2552             "sv": "Vansbro",
2553             "en": "Vansbro"
2554         },
2555         "Beskrivning": {},
2556         "Dolt": false,
2557         "Giltighetsperiod": {},
2558         "ID": "222",
2559         "Kod": "2021",
2560         "LanID": 16,
2561         "LarosateID": -1
2562     },
2563     {
2564         "Benamning": {
2565             "sv": "Malung-S\u00e4len",
2566             "en": "Malung-S\u00e4len"
2567         },
2568         "Beskrivning": {},
2569         "Dolt": false,
2570         "Giltighetsperiod": {},
2571         "ID": "223",
2572         "Kod": "2023",
2573         "LanID": 16,
2574         "LarosateID": -1
2575     },
2576     {
2577         "Benamning": {
2578             "sv": "Gagnef",
2579             "en": "Gagnef"
2580         },
2581         "Beskrivning": {},
2582         "Dolt": false,
2583         "Giltighetsperiod": {},
2584         "ID": "224",
2585         "Kod": "2026",
2586         "LanID": 16,
2587         "LarosateID": -1
2588     },
2589     {
2590         "Benamning": {
2591             "sv": "Leksand",
2592             "en": "Leksand"
2593         },
2594         "Beskrivning": {},
2595         "Dolt": false,
2596         "Giltighetsperiod": {},
2597         "ID": "225",
2598         "Kod": "2029",
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2600     "LarosateID": -1  
2601 },  
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2605         "en": "R\u00e4ttvik"  
2606     },  
2607     "Beskrivning": {},  
2608     "Dolt": false,  
2609     "Giltighetsperiod": {},  
2610     "ID": "226",  
2611     "Kod": "2031",  
2612     "LanID": 16,  
2613     "LarosateID": -1  
2614 },  
2615 {  
2616     "Benamning": {  
2617         "sv": "Orsa",  
2618         "en": "Orsa"  
2619     },  
2620     "Beskrivning": {},  
2621     "Dolt": false,  
2622     "Giltighetsperiod": {},  
2623     "ID": "227",  
2624     "Kod": "2034",  
2625     "LanID": 16,  
2626     "LarosateID": -1  
2627 },  
2628 {  
2629     "Benamning": {  
2630         "sv": "\u00c4lvdalen",  
2631         "en": "\u00c4lvdalen"  
2632     },  
2633     "Beskrivning": {},  
2634     "Dolt": false,  
2635     "Giltighetsperiod": {},  
2636     "ID": "228",  
2637     "Kod": "2039",  
2638     "LanID": 16,  
2639     "LarosateID": -1  
2640 },  
2641 {  
2642     "Benamning": {  
2643         "sv": "Smedjebacken",  
2644         "en": "Smedjebacken"  
2645     },  
2646     "Beskrivning": {},  
2647     "Dolt": false,  
2648     "Giltighetsperiod": {},
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2649     "ID": "229",
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2651     "LanID": 16,
2652     "LarosateID": -1
2653 },
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2655     "Benamning": {
2656         "sv": "Mora",
2657         "en": "Mora"
2658     },
2659     "Beskrivning": {},
2660     "Dolt": false,
2661     "Giltighetsperiod": {},
2662     "ID": "230",
2663     "Kod": "2062",
2664     "LanID": 16,
2665     "LarosateID": -1
2666 },
2667 {
2668     "Benamning": {
2669         "sv": "Falun",
2670         "en": "Falun"
2671     },
2672     "Beskrivning": {},
2673     "Dolt": false,
2674     "Giltighetsperiod": {},
2675     "ID": "231",
2676     "Kod": "2080",
2677     "LanID": 16,
2678     "LarosateID": -1
2679 },
2680 {
2681     "Benamning": {
2682         "sv": "Borl\u00e4nge",
2683         "en": "Borl\u00e4nge"
2684     },
2685     "Beskrivning": {},
2686     "Dolt": false,
2687     "Giltighetsperiod": {},
2688     "ID": "232",
2689     "Kod": "2081",
2690     "LanID": 16,
2691     "LarosateID": -1
2692 },
2693 {
2694     "Benamning": {
2695         "sv": "S\u00e4ter",
2696         "en": "S\u00e4ter"
2697     },
2698     "Beskrivning": {},
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2699     "Dolt": false,
2700     "Giltighetsperiod": {},
2701     "ID": "233",
2702     "Kod": "2082",
2703     "LanID": 16,
2704     "LarosateID": -1
2705 },
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2708         "sv": "Timr\u00e5",
2709         "en": "Timr\u00e5"
2710     },
2711     "Beskrivning": {},
2712     "Dolt": false,
2713     "Giltighetsperiod": {},
2714     "ID": "248",
2715     "Kod": "2262",
2716     "LanID": 18,
2717     "LarosateID": -1
2718 },
2719 {
2720     "Benamning": {
2721         "sv": "H\u00e4rn\u00f6sand",
2722         "en": "H\u00e4rn\u00f6sand"
2723     },
2724     "Beskrivning": {},
2725     "Dolt": false,
2726     "Giltighetsperiod": {},
2727     "ID": "249",
2728     "Kod": "2280",
2729     "LanID": 18,
2730     "LarosateID": -1
2731 },
2732 {
2733     "Benamning": {
2734         "sv": "Sundsvall",
2735         "en": "Sundsvall"
2736     },
2737     "Beskrivning": {},
2738     "Dolt": false,
2739     "Giltighetsperiod": {},
2740     "ID": "250",
2741     "Kod": "2281",
2742     "LanID": 18,
2743     "LarosateID": -1
2744 },
2745 {
2746     "Benamning": {
2747         "sv": "Kramfors",
2748         "en": "Kramfors"
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2749     },
2750     "Beskrivning": {},
2751     "Dolt": false,
2752     "Giltighetsperiod": {},
2753     "ID": "251",
2754     "Kod": "2282",
2755     "LanID": 18,
2756     "LarosateID": -1
2757 },
2758 {
2759     "Benamning": {
2760         "sv": "Sollefte\u00e5",
2761         "en": "Sollefte\u00e5"
2762     },
2763     "Beskrivning": {},
2764     "Dolt": false,
2765     "Giltighetsperiod": {},
2766     "ID": "252",
2767     "Kod": "2283",
2768     "LanID": 18,
2769     "LarosateID": -1
2770 },
2771 {
2772     "Benamning": {
2773         "sv": "\u00d6rns\u00f6ldsvik",
2774         "en": "\u00d6rns\u00f6ldsvik"
2775     },
2776     "Beskrivning": {},
2777     "Dolt": false,
2778     "Giltighetsperiod": {},
2779     "ID": "253",
2780     "Kod": "2284",
2781     "LanID": 18,
2782     "LarosateID": -1
2783 },
2784 {
2785     "Benamning": {
2786         "sv": "Ragunda",
2787         "en": "Ragunda"
2788     },
2789     "Beskrivning": {},
2790     "Dolt": false,
2791     "Giltighetsperiod": {},
2792     "ID": "254",
2793     "Kod": "2303",
2794     "LanID": 19,
2795     "LarosateID": -1
2796 },
2797 {
2798     "Benamning": {
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2800         "en": "Br\u00e4cke"
2801     },
2802     "Beskrivning": {},
2803     "Dolt": false,
2804     "Giltighetsperiod": {},
2805     "ID": "255",
2806     "Kod": "2305",
2807     "LanID": 19,
2808     "LarosateID": -1
2809 },
2810 {
2811     "Benamning": {
2812         "sv": "Krokom",
2813         "en": "Krokom"
2814     },
2815     "Beskrivning": {},
2816     "Dolt": false,
2817     "Giltighetsperiod": {},
2818     "ID": "256",
2819     "Kod": "2309",
2820     "LanID": 19,
2821     "LarosateID": -1
2822 },
2823 {
2824     "Benamning": {
2825         "sv": "Str\u00f6msund",
2826         "en": "Str\u00f6msund"
2827     },
2828     "Beskrivning": {},
2829     "Dolt": false,
2830     "Giltighetsperiod": {},
2831     "ID": "257",
2832     "Kod": "2313",
2833     "LanID": 19,
2834     "LarosateID": -1
2835 },
2836 {
2837     "Benamning": {
2838         "sv": "\u00c5re",
2839         "en": "\u00c5re"
2840     },
2841     "Beskrivning": {},
2842     "Dolt": false,
2843     "Giltighetsperiod": {},
2844     "ID": "258",
2845     "Kod": "2321",
2846     "LanID": 19,
2847     "LarosateID": -1
2848 },
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2851             "sv": "Berg",
2852             "en": "Berg"
2853         },
2854         "Beskrivning": {},
2855         "Dolt": false,
2856         "Giltighetsperiod": {},
2857         "ID": "259",
2858         "Kod": "2326",
2859         "LanID": 19,
2860         "LarosateID": -1
2861     },
2862     {
2863         "Benamning": {
2864             "sv": "H\u00e4rjedalen",
2865             "en": "H\u00e4rjedalen"
2866         },
2867         "Beskrivning": {},
2868         "Dolt": false,
2869         "Giltighetsperiod": {},
2870         "ID": "260",
2871         "Kod": "2361",
2872         "LanID": 19,
2873         "LarosateID": -1
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2877             "sv": "\u00d6stersund",
2878             "en": "\u00d6stersund"
2879         },
2880         "Beskrivning": {},
2881         "Dolt": false,
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2883         "ID": "261",
2884         "Kod": "2380",
2885         "LanID": 19,
2886         "LarosateID": -1
2887     },
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2889         "Benamning": {
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2891             "en": "Skellefte\u00e5"
2892         },
2893         "Beskrivning": {},
2894         "Dolt": false,
2895         "Giltighetsperiod": {},
2896         "ID": "276",
2897         "Kod": "2482",
2898         "LanID": 20,
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2899     "LarosateID": -1
2900 },
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2903         "sv": "Arvidsjaur",
2904         "en": "Arvidsjaur"
2905     },
2906     "Beskrivning": {},
2907     "Dolt": false,
2908     "Giltighetsperiod": {},
2909     "ID": "277",
2910     "Kod": "2505",
2911     "LanID": 21,
2912     "LarosateID": -1
2913 },
2914 {
2915     "Benamning": {
2916         "sv": "Arjeplog",
2917         "en": "Arjeplog"
2918     },
2919     "Beskrivning": {},
2920     "Dolt": false,
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2922     "ID": "278",
2923     "Kod": "2506",
2924     "LanID": 21,
2925     "LarosateID": -1
2926 },
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2929         "sv": "Jokkmokk",
2930         "en": "Jokkmokk"
2931     },
2932     "Beskrivning": {},
2933     "Dolt": false,
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2935     "ID": "279",
2936     "Kod": "2510",
2937     "LanID": 21,
2938     "LarosateID": -1
2939 },
2940 {
2941     "Benamning": {
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2943         "en": "\u00d6verkalix"
2944     },
2945     "Beskrivning": {},
2946     "Dolt": false,
2947     "Giltighetsperiod": {},
2948     "ID": "280",
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2949     "Kod": "2513",
2950     "LanID": 21,
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2954     "Benamning": {
2955         "sv": "Kalix",
2956         "en": "Kalix"
2957     },
2958     "Beskrivning": {},
2959     "Dolt": false,
2960     "Giltighetsperiod": {},
2961     "ID": "281",
2962     "Kod": "2514",
2963     "LanID": 21,
2964     "LarosateID": -1
2965 },
2966 {
2967     "Benamning": {
2968         "sv": "\u00d6vertorne\u00e5",
2969         "en": "\u00d6vertorne\u00e5"
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2972     "Dolt": false,
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2974     "ID": "282",
2975     "Kod": "2518",
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2977     "LarosateID": -1
2978 },
2979 {
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2981         "sv": "Pajala",
2982         "en": "Pajala"
2983     },
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2985     "Dolt": false,
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2989     "LanID": 21,
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2995         "en": "G\u00e4llivare"
2996     },
2997     "Beskrivning": {},
2998     "Dolt": false,
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3008         "en": "\u00c4lvsbyn"
3009     },
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3012     "Giltighetsperiod": {},
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3014     "Kod": "2560",
3015     "LanID": 21,
3016     "LarosateID": -1
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3021         "en": "Lule\u00e5"
3022     },
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3024     "Dolt": false,
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3026     "ID": "286",
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3028     "LanID": 21,
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3033         "sv": "Pite\u00e5",
3034         "en": "Pite\u00e5"
3035     },
3036     "Beskrivning": {},
3037     "Dolt": false,
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3041     "LanID": 21,
3042     "LarosateID": -1
3043 },
3044 {
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3046         "sv": "Boden",
3047         "en": "Boden"
3048     },
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3056 },
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3060         "en": "Haparanda"
3061     },
3062     "Beskrivning": {},
3063     "Dolt": false,
3064     "Giltighetsperiod": {},
3065     "ID": "289",
3066     "Kod": "2583",
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3069 },
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3072         "sv": "Knivsta",
3073         "en": "Knivsta"
3074     },
3075     "Beskrivning": {},
3076     "Dolt": false,
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3078     "ID": "29",
3079     "Kod": "0330",
3080     "LanID": 2,
3081     "LarosateID": -1
3082 },
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3084     "Benamning": {
3085         "sv": "Heby",
3086         "en": "Heby"
3087     },
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3089         "sv": "\u00d6verf\u00f6rd fr\u00e5n V\u00e4stmanlands till Uppsala l\u00e5n"
3090     },
3091     "Dolt": false,
3092     "Giltighetsperiod": {
3093         "Startdatum": "2007-01-01"
3094     },
3095     "ID": "30",
3096     "Kod": "0331",
3097     "LanID": 2,
3098     "LarosateID": -1
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3103             "en": "Tierp"
3104         },
3105         "Beskrivning": {},
3106         "Dolt": false,
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3108         "ID": "31",
3109         "Kod": "0360",
3110         "LanID": 2,
3111         "LarosateID": -1
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3114         "Benamning": {
3115             "sv": "Uppsala",
3116             "en": "Uppsala"
3117         },
3118         "Beskrivning": {},
3119         "Dolt": false,
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3121         "ID": "32",
3122         "Kod": "0380",
3123         "LanID": 2,
3124         "LarosateID": -1
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3127         "Benamning": {
3128             "sv": "Enk\u00f6ping",
3129             "en": "Enk\u00f6ping"
3130         },
3131         "Beskrivning": {},
3132         "Dolt": false,
3133         "Giltighetsperiod": {},
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3135         "Kod": "0381",
3136         "LanID": 2,
3137         "LarosateID": -1
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3139     {
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3141             "sv": "\u00d6sthammar",
3142             "en": "\u00d6sthammar"
3143         },
3144         "Beskrivning": {},
3145         "Dolt": false,
3146         "Giltighetsperiod": {},
3147         "ID": "34",
3148         "Kod": "0382",
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3150     "LarosateID": -1
3151 },
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3154         "sv": "Ving\u00e5ker",
3155         "en": "Ving\u00e5ker"
3156     },
3157     "Beskrivning": {},
3158     "Dolt": false,
3159     "Giltighetsperiod": {},
3160     "ID": "35",
3161     "Kod": "0428",
3162     "LanID": 3,
3163     "LarosateID": -1
3164 },
3165 {
3166     "Benamning": {
3167         "sv": "Gnesta",
3168         "en": "Gnesta"
3169     },
3170     "Beskrivning": {},
3171     "Dolt": false,
3172     "Giltighetsperiod": {},
3173     "ID": "36",
3174     "Kod": "0461",
3175     "LanID": 3,
3176     "LarosateID": -1
3177 },
3178 {
3179     "Benamning": {
3180         "sv": "Nyk\u00f6ping",
3181         "en": "Nyk\u00f6ping"
3182     },
3183     "Beskrivning": {},
3184     "Dolt": false,
3185     "Giltighetsperiod": {},
3186     "ID": "37",
3187     "Kod": "0480",
3188     "LanID": 3,
3189     "LarosateID": -1
3190 },
3191 {
3192     "Benamning": {
3193         "sv": "Oxel\u00f6sund",
3194         "en": "Oxel\u00f6sund"
3195     },
3196     "Beskrivning": {},
3197     "Dolt": false,
3198     "Giltighetsperiod": {},
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3199     "ID": "38",
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3201     "LanID": 3,
3202     "LarosateID": -1
3203 },
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3206         "sv": "Flen",
3207         "en": "Flen"
3208     },
3209     "Beskrivning": {},
3210     "Dolt": false,
3211     "Giltighetsperiod": {},
3212     "ID": "39",
3213     "Kod": "0482",
3214     "LanID": 3,
3215     "LarosateID": -1
3216 },
3217 {
3218     "Benamning": {
3219         "sv": "Katrineholm",
3220         "en": "Katrineholm"
3221     },
3222     "Beskrivning": {},
3223     "Dolt": false,
3224     "Giltighetsperiod": {},
3225     "ID": "40",
3226     "Kod": "0483",
3227     "LanID": 3,
3228     "LarosateID": -1
3229 },
3230 {
3231     "Benamning": {
3232         "sv": "Eskilstuna",
3233         "en": "Eskilstuna"
3234     },
3235     "Beskrivning": {},
3236     "Dolt": false,
3237     "Giltighetsperiod": {},
3238     "ID": "41",
3239     "Kod": "0484",
3240     "LanID": 3,
3241     "LarosateID": -1
3242 },
3243 {
3244     "Benamning": {
3245         "sv": "Str\u00e4ng\u00e4s",
3246         "en": "Str\u00e4ng\u00e4s"
3247     },
3248     "Beskrivning": {},
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3251     "ID": "42",
3252     "Kod": "0486",
3253     "LanID": 3,
3254     "LarosateID": -1
3255 },
3256 {
3257     "Benamning": {
3258         "sv": "Lessebo",
3259         "en": "Lessebo"
3260     },
3261     "Beskrivning": {},
3262     "Dolt": false,
3263     "Giltighetsperiod": {},
3264     "ID": "71",
3265     "Kod": "0761",
3266     "LanID": 6,
3267     "LarosateID": -1
3268 },
3269 {
3270     "Benamning": {
3271         "sv": "Tingsryd",
3272         "en": "Tingsryd"
3273     },
3274     "Beskrivning": {},
3275     "Dolt": false,
3276     "Giltighetsperiod": {},
3277     "ID": "72",
3278     "Kod": "0763",
3279     "LanID": 6,
3280     "LarosateID": -1
3281 },
3282 {
3283     "Benamning": {
3284         "sv": "Alvesta",
3285         "en": "Alvesta"
3286     },
3287     "Beskrivning": {},
3288     "Dolt": false,
3289     "Giltighetsperiod": {},
3290     "ID": "73",
3291     "Kod": "0764",
3292     "LanID": 6,
3293     "LarosateID": -1
3294 },
3295 {
3296     "Benamning": {
3297         "sv": "\u00c4lmhult",
3298         "en": "\u00c4lmhult"
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3299     },
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3301     "Dolt": false,
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3303     "ID": "74",
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3305     "LanID": 6,
3306     "LarosateID": -1
3307 },
3308 {
3309     "Benamning": {
3310         "sv": "Markaryd",
3311         "en": "Markaryd"
3312     },
3313     "Beskrivning": {},
3314     "Dolt": false,
3315     "Giltighetsperiod": {},
3316     "ID": "75",
3317     "Kod": "0767",
3318     "LanID": 6,
3319     "LarosateID": -1
3320 },
3321 {
3322     "Benamning": {
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3324         "en": "V\u00e4xjö"
3325     },
3326     "Beskrivning": {},
3327     "Dolt": false,
3328     "Giltighetsperiod": {},
3329     "ID": "76",
3330     "Kod": "0780",
3331     "LanID": 6,
3332     "LarosateID": -1
3333 },
3334 {
3335     "Benamning": {
3336         "sv": "Ljungby",
3337         "en": "Ljungby"
3338     },
3339     "Beskrivning": {},
3340     "Dolt": false,
3341     "Giltighetsperiod": {},
3342     "ID": "77",
3343     "Kod": "0781",
3344     "LanID": 6,
3345     "LarosateID": -1
3346 },
3347 {
3348     "Benamning": {
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3350         "en": "H\u00f6gsby"
3351     },
3352     "Beskrivning": {},
3353     "Dolt": false,
3354     "Giltighetsperiod": {},
3355     "ID": "78",
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3357     "LanID": 7,
3358     "LarosateID": -1
3359 },
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3363         "en": "Tors\u00e5s"
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3365     "Beskrivning": {},
3366     "Dolt": false,
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3370     "LanID": 7,
3371     "LarosateID": -1
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3376         "en": "M\u00f6rbyl\u00e5nga"
3377     },
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3379     "Dolt": false,
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3384     "LarosateID": -1
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3388         "sv": "Hultsfred",
3389         "en": "Hultsfred"
3390     },
3391     "Beskrivning": {},
3392     "Dolt": false,
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3395     "Kod": "0860",
3396     "LanID": 7,
3397     "LarosateID": -1
3398 },
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3402             "en": "M\u00f6nster\u00e5s"
3403         },
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3405         "Dolt": false,
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3409         "LanID": 7,
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3411     },
3412     {
3413         "Benamning": {
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3415             "en": "Emmaboda"
3416         },
3417         "Beskrivning": {},
3418         "Dolt": false,
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3420         "ID": "83",
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3422         "LanID": 7,
3423         "LarosateID": -1
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3425     {
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3427             "sv": "Kalmar",
3428             "en": "Kalmar"
3429         },
3430         "Beskrivning": {},
3431         "Dolt": false,
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3434         "Kod": "0880",
3435         "LanID": 7,
3436         "LarosateID": -1
3437     },
3438     {
3439         "Benamning": {
3440             "sv": "Vellinge",
3441             "en": "Vellinge"
3442         },
3443         "Beskrivning": {},
3444         "Dolt": false,
3445         "Giltighetsperiod": {},
3446         "ID": "99",
3447         "Kod": "1233",
3448         "LanID": 10,
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3450 },
3451 {
3452     "Benamning": {
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3454         "en": "\u00d6stra G\u00f6inge"
3455     },
3456     "Beskrivning": {},
3457     "Dolt": false,
3458     "Giltighetsperiod": {},
3459     "ID": "100",
3460     "Kod": "1256",
3461     "LanID": 10,
3462     "LarosateID": -1
3463 },
3464 {
3465     "Benamning": {
3466         "sv": "\u00d6rkelljunga",
3467         "en": "\u00d6rkelljunga"
3468     },
3469     "Beskrivning": {},
3470     "Dolt": false,
3471     "Giltighetsperiod": {},
3472     "ID": "101",
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3475     "LarosateID": -1
3476 },
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3480         "en": "Bjuv"
3481     },
3482     "Beskrivning": {},
3483     "Dolt": false,
3484     "Giltighetsperiod": {},
3485     "ID": "102",
3486     "Kod": "1260",
3487     "LanID": 10,
3488     "LarosateID": -1
3489 },
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3493         "en": "K\u00e4vlinge"
3494     },
3495     "Beskrivning": {},
3496     "Dolt": false,
3497     "Giltighetsperiod": {},
3498     "ID": "103",
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3506         "en": "Lomma"
3507     },
3508     "Beskrivning": {},
3509     "Dolt": false,
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3513     "LanID": 10,
3514     "LarosateID": -1
3515 },
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3518         "sv": "Svedala",
3519         "en": "Svedala"
3520     },
3521     "Beskrivning": {},
3522     "Dolt": false,
3523     "Giltighetsperiod": {},
3524     "ID": "105",
3525     "Kod": "1263",
3526     "LanID": 10,
3527     "LarosateID": -1
3528 },
3529 {
3530     "Benamning": {
3531         "sv": "Skurup",
3532         "en": "Skurup"
3533     },
3534     "Beskrivning": {},
3535     "Dolt": false,
3536     "Giltighetsperiod": {},
3537     "ID": "106",
3538     "Kod": "1264",
3539     "LanID": 10,
3540     "LarosateID": -1
3541 },
3542 {
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3544         "sv": "Sj\u00f6bo",
3545         "en": "Sj\u00f6bo"
3546     },
3547     "Beskrivning": {},
3548     "Dolt": false,
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3549     "Giltighetsperiod": {},
3550     "ID": "107",
3551     "Kod": "1265",
3552     "LanID": 10,
3553     "LarosateID": -1
3554 },
3555 {
3556     "Benamning": {
3557         "sv": "H\u00f6rby",
3558         "en": "H\u00f6rby"
3559     },
3560     "Beskrivning": {},
3561     "Dolt": false,
3562     "Giltighetsperiod": {},
3563     "ID": "108",
3564     "Kod": "1266",
3565     "LanID": 10,
3566     "LarosateID": -1
3567 },
3568 {
3569     "Benamning": {
3570         "sv": "H\u00f6\u00f6r",
3571         "en": "H\u00f6\u00f6r"
3572     },
3573     "Beskrivning": {},
3574     "Dolt": false,
3575     "Giltighetsperiod": {},
3576     "ID": "109",
3577     "Kod": "1267",
3578     "LanID": 10,
3579     "LarosateID": -1
3580 },
3581 {
3582     "Benamning": {
3583         "sv": "Tomelilla",
3584         "en": "Tomelilla"
3585     },
3586     "Beskrivning": {},
3587     "Dolt": false,
3588     "Giltighetsperiod": {},
3589     "ID": "110",
3590     "Kod": "1270",
3591     "LanID": 10,
3592     "LarosateID": -1
3593 },
3594 {
3595     "Benamning": {
3596         "sv": "Brom\u00f6l\u00f6",
3597         "en": "Brom\u00f6l\u00f6"
3598     },
```

```
3599     "Beskrivning": {},
3600     "Dolt": false,
3601     "Giltighetsperiod": {},
3602     "ID": "111",
3603     "Kod": "1272",
3604     "LanID": 10,
3605     "LarosateID": -1
3606 },
3607 {
3608     "Benamning": {
3609         "sv": "Osby",
3610         "en": "Osby"
3611     },
3612     "Beskrivning": {},
3613     "Dolt": false,
3614     "Giltighetsperiod": {},
3615     "ID": "112",
3616     "Kod": "1273",
3617     "LanID": 10,
3618     "LarosateID": -1
3619 },
3620 {
3621     "Benamning": {
3622         "sv": "Soten\u00e4s",
3623         "en": "Soten\u00e4s"
3624     },
3625     "Beskrivning": {},
3626     "Dolt": false,
3627     "Giltighetsperiod": {},
3628     "ID": "141",
3629     "Kod": "1427",
3630     "LanID": 12,
3631     "LarosateID": -1
3632 },
3633 {
3634     "Benamning": {
3635         "sv": "Munkedal",
3636         "en": "Munkedal"
3637     },
3638     "Beskrivning": {},
3639     "Dolt": false,
3640     "Giltighetsperiod": {},
3641     "ID": "142",
3642     "Kod": "1430",
3643     "LanID": 12,
3644     "LarosateID": -1
3645 },
3646 {
3647     "Benamning": {
3648         "sv": "Tanum",
```

```
3649         "en": "Tanum"
3650     },
3651     "Beskrivning": {},
3652     "Dolt": false,
3653     "Giltighetsperiod": {},
3654     "ID": "143",
3655     "Kod": "1435",
3656     "LanID": 12,
3657     "LarosateID": -1
3658 },
3659 {
3660     "Benamning": {
3661         "sv": "Dals-Ed",
3662         "en": "Dals-Ed"
3663     },
3664     "Beskrivning": {},
3665     "Dolt": false,
3666     "Giltighetsperiod": {},
3667     "ID": "144",
3668     "Kod": "1438",
3669     "LanID": 12,
3670     "LarosateID": -1
3671 },
3672 {
3673     "Benamning": {
3674         "sv": "F\u00e4rgelanda",
3675         "en": "F\u00e4rgelanda"
3676     },
3677     "Beskrivning": {},
3678     "Dolt": false,
3679     "Giltighetsperiod": {},
3680     "ID": "145",
3681     "Kod": "1439",
3682     "LanID": 12,
3683     "LarosateID": -1
3684 },
3685 {
3686     "Benamning": {
3687         "sv": "Ale",
3688         "en": "Ale"
3689     },
3690     "Beskrivning": {},
3691     "Dolt": false,
3692     "Giltighetsperiod": {},
3693     "ID": "146",
3694     "Kod": "1440",
3695     "LanID": 12,
3696     "LarosateID": -1
3697 },
3698 {
```

```
3699     "Benamning": {
3700       "sv": "Lerum",
3701       "en": "Lerum"
3702     },
3703     "Beskrivning": {},
3704     "Dolt": false,
3705     "Giltighetsperiod": {},
3706     "ID": "147",
3707     "Kod": "1441",
3708     "LanID": 12,
3709     "LarosateID": -1
3710   },
3711   {
3712     "Benamning": {
3713       "sv": "V\u00e5rg\u00e5rda",
3714       "en": "V\u00e5rg\u00e5rda"
3715     },
3716     "Beskrivning": {},
3717     "Dolt": false,
3718     "Giltighetsperiod": {},
3719     "ID": "148",
3720     "Kod": "1442",
3721     "LanID": 12,
3722     "LarosateID": -1
3723   },
3724   {
3725     "Benamning": {
3726       "sv": "Bollebygd",
3727       "en": "Bollebygd"
3728     },
3729     "Beskrivning": {},
3730     "Dolt": false,
3731     "Giltighetsperiod": {},
3732     "ID": "149",
3733     "Kod": "1443",
3734     "LanID": 12,
3735     "LarosateID": -1
3736   },
3737   {
3738     "Benamning": {
3739       "sv": "Gr\u00e4storp",
3740       "en": "Gr\u00e4storp"
3741     },
3742     "Beskrivning": {},
3743     "Dolt": false,
3744     "Giltighetsperiod": {},
3745     "ID": "150",
3746     "Kod": "1444",
3747     "LanID": 12,
3748     "LarosateID": -1
```

```
3749     },
3750     {
3751         "Benamning": {
3752             "sv": "Essunga",
3753             "en": "Essunga"
3754         },
3755         "Beskrivning": {},
3756         "Dolt": false,
3757         "Giltighetsperiod": {},
3758         "ID": "151",
3759         "Kod": "1445",
3760         "LanID": 12,
3761         "LarosateID": -1
3762     },
3763     {
3764         "Benamning": {
3765             "sv": "Karlsborg",
3766             "en": "Karlsborg"
3767         },
3768         "Beskrivning": {},
3769         "Dolt": false,
3770         "Giltighetsperiod": {},
3771         "ID": "152",
3772         "Kod": "1446",
3773         "LanID": 12,
3774         "LarosateID": -1
3775     },
3776     {
3777         "Benamning": {
3778             "sv": "Gullsp\u00e5ng",
3779             "en": "Gullsp\u00e5ng"
3780         },
3781         "Beskrivning": {},
3782         "Dolt": false,
3783         "Giltighetsperiod": {},
3784         "ID": "153",
3785         "Kod": "1447",
3786         "LanID": 12,
3787         "LarosateID": -1
3788     },
3789     {
3790         "Benamning": {
3791             "sv": "Tranemo",
3792             "en": "Tranemo"
3793         },
3794         "Beskrivning": {},
3795         "Dolt": false,
3796         "Giltighetsperiod": {},
3797         "ID": "154",
3798         "Kod": "1452",
```

```

3799         "LanID": 12,
3800         "LarosateID": -1
3801     }
3802 ]
3803 }
```

## 20.8 lander\_JSON

1025a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def lander_JSON(self):
    """
    Returns a dictionary of countries.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/land',
        headers=self.headers).json()
    return r
```

Let's add a test. This should return a dictionary.

1025b *<test functions 99b>+≡*

```

def test_lander_JSON():
    r = ladok.lander_JSON()
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```

1  {
2    "Land": [
3      {
4        "Benamning": {
5          "sv": "Sverige",
6          "en": "Sweden"
7        },
8        "Beskrivning": {},
9        "Dolt": false,
10       "Giltighetsperiod": {},
11       "ID": "184",
12       "Kod": "SE",
13       "LarosateID": -1
14     },
15     {
16       "Benamning": {
17         "sv": "F\u00f6renade Arabemiraten",
18         "en": "United Arab Emirates"
19       },
20       "Beskrivning": {},
21       "Dolt": false,
22       "Giltighetsperiod": {},
23       "ID": "1",
```



```
24     "Kod": "AE",
25     "LarosateID": -1
26 },
27 {
28     "Benamning": {
29         "sv": "Afghanistan",
30         "en": "Afghanistan"
31     },
32     "Beskrivning": {},
33     "Dolt": false,
34     "Giltighetsperiod": {},
35     "ID": "2",
36     "Kod": "AF",
37     "LarosateID": -1
38 },
39 {
40     "Benamning": {
41         "sv": "Albanien",
42         "en": "Albania"
43     },
44     "Beskrivning": {},
45     "Dolt": false,
46     "Giltighetsperiod": {},
47     "ID": "3",
48     "Kod": "AL",
49     "LarosateID": -1
50 },
51 {
52     "Benamning": {
53         "sv": "Armenien",
54         "en": "Armenia"
55     },
56     "Beskrivning": {},
57     "Dolt": false,
58     "Giltighetsperiod": {},
59     "ID": "4",
60     "Kod": "AM",
61     "LarosateID": -1
62 },
63 {
64     "Benamning": {
65         "sv": "Angola",
66         "en": "Angola"
67     },
68     "Beskrivning": {},
69     "Dolt": false,
70     "Giltighetsperiod": {},
71     "ID": "5",
72     "Kod": "AO",
73     "LarosateID": -1
```

```
74     },
75     {
76         "Benamning": {
77             "sv": "Argentina",
78             "en": "Argentina"
79         },
80         "Beskrivning": {},
81         "Dolt": false,
82         "Giltighetsperiod": {},
83         "ID": "6",
84         "Kod": "AR",
85         "LarosateID": -1
86     },
87     {
88         "Benamning": {
89             "sv": "\u00d6sterrike",
90             "en": "Austria"
91         },
92         "Beskrivning": {},
93         "Dolt": false,
94         "Giltighetsperiod": {},
95         "ID": "7",
96         "Kod": "AT",
97         "LarosateID": -1
98     },
99     {
100         "Benamning": {
101             "sv": "Australien",
102             "en": "Australia"
103         },
104         "Beskrivning": {},
105         "Dolt": false,
106         "Giltighetsperiod": {},
107         "ID": "8",
108         "Kod": "AU",
109         "LarosateID": -1
110     },
111     {
112         "Benamning": {
113             "sv": "Azerbajdzjan",
114             "en": "Azerbaijan"
115         },
116         "Beskrivning": {},
117         "Dolt": false,
118         "Giltighetsperiod": {},
119         "ID": "9",
120         "Kod": "AZ",
121         "LarosateID": -1
122     },
123     {
```

```
124     "Benamning": {
125       "sv": "Bosnien och Hercegovina",
126       "en": "Bosnia and Herzegovina"
127     },
128     "Beskrivning": {},
129     "Dolt": false,
130     "Giltighetsperiod": {},
131     "ID": "10",
132     "Kod": "BA",
133     "LarosateID": -1
134   },
135   {
136     "Benamning": {
137       "sv": "Turkmenistan",
138       "en": "Turkmenistan"
139     },
140     "Beskrivning": {},
141     "Dolt": false,
142     "Giltighetsperiod": {},
143     "ID": "165",
144     "Kod": "TM",
145     "LarosateID": -1
146   },
147   {
148     "Benamning": {
149       "sv": "Tunisien",
150       "en": "Tunisia"
151     },
152     "Beskrivning": {},
153     "Dolt": false,
154     "Giltighetsperiod": {},
155     "ID": "166",
156     "Kod": "TN",
157     "LarosateID": -1
158   },
159   {
160     "Benamning": {
161       "sv": "Turkiet",
162       "en": "Turkey"
163     },
164     "Beskrivning": {},
165     "Dolt": false,
166     "Giltighetsperiod": {},
167     "ID": "167",
168     "Kod": "TR",
169     "LarosateID": -1
170   },
171   {
172     "Benamning": {
173       "sv": "Trinidad och Tobago",
```

```
174         "en": "Trinidad and Tobago"
175     },
176     "Beskrivning": {},
177     "Dolt": false,
178     "Giltighetsperiod": {},
179     "ID": "168",
180     "Kod": "TT",
181     "LarosateID": -1
182 },
183 {
184     "Benamning": {
185         "sv": "Taiwan",
186         "en": "Taiwan"
187     },
188     "Beskrivning": {},
189     "Dolt": false,
190     "Giltighetsperiod": {},
191     "ID": "169",
192     "Kod": "TW",
193     "LarosateID": -1
194 },
195 {
196     "Benamning": {
197         "sv": "Tanzania",
198         "en": "Tanzania"
199     },
200     "Beskrivning": {},
201     "Dolt": false,
202     "Giltighetsperiod": {},
203     "ID": "170",
204     "Kod": "TZ",
205     "LarosateID": -1
206 },
207 {
208     "Benamning": {
209         "sv": "Ukraina",
210         "en": "Ukraine"
211     },
212     "Beskrivning": {},
213     "Dolt": false,
214     "Giltighetsperiod": {},
215     "ID": "171",
216     "Kod": "UA",
217     "LarosateID": -1
218 },
219 {
220     "Benamning": {
221         "sv": "Uganda",
222         "en": "Uganda"
223     },
```

```
224     "Beskrivning": {},
225     "Dolt": false,
226     "Giltighetsperiod": {},
227     "ID": "172",
228     "Kod": "UG",
229     "LarosateID": -1
230 },
231 {
232     "Benamning": {
233         "sv": "USA",
234         "en": "USA"
235     },
236     "Beskrivning": {
237         "sv": "F\u00f6renta staterna/United States of America"
238     },
239     "Dolt": false,
240     "Giltighetsperiod": {},
241     "ID": "173",
242     "Kod": "US",
243     "LarosateID": -1
244 },
245 {
246     "Benamning": {
247         "sv": "Uruguay",
248         "en": "Uruguay"
249     },
250     "Beskrivning": {},
251     "Dolt": false,
252     "Giltighetsperiod": {},
253     "ID": "174",
254     "Kod": "UY",
255     "LarosateID": -1
256 },
257 {
258     "Benamning": {
259         "sv": "Uzbekistan",
260         "en": "Uzbekistan"
261     },
262     "Beskrivning": {},
263     "Dolt": false,
264     "Giltighetsperiod": {},
265     "ID": "175",
266     "Kod": "UZ",
267     "LarosateID": -1
268 },
269 {
270     "Benamning": {
271         "sv": "Martinique",
272         "en": "Martinique"
273     },
```

```
274     "Beskrivning": {},
275     "Dolt": false,
276     "Giltighetsperiod": {},
277     "ID": "101028",
278     "Kod": "MQ",
279     "LarosateID": -1
280 },
281 {
282     "Benamning": {
283         "sv": "Mayotte",
284         "en": "Mayotte"
285     },
286     "Beskrivning": {},
287     "Dolt": false,
288     "Giltighetsperiod": {},
289     "ID": "101029",
290     "Kod": "YT",
291     "LarosateID": -1
292 },
293 {
294     "Benamning": {
295         "sv": "Mikronesien",
296         "en": "Micronesia"
297     },
298     "Beskrivning": {},
299     "Dolt": false,
300     "Giltighetsperiod": {},
301     "ID": "101030",
302     "Kod": "FM",
303     "LarosateID": -1
304 },
305 {
306     "Benamning": {
307         "sv": "Niue",
308         "en": "Niue"
309     },
310     "Beskrivning": {},
311     "Dolt": false,
312     "Giltighetsperiod": {},
313     "ID": "101031",
314     "Kod": "NU",
315     "LarosateID": -1
316 },
317 {
318     "Benamning": {
319         "sv": "Nordmarianerna",
320         "en": "Northern Mariana Islands"
321     },
322     "Beskrivning": {},
323     "Dolt": false,
```

```
324     "Giltighetsperiod": {},
325     "ID": "101032",
326     "Kod": "MP",
327     "LarosateID": -1
328 },
329 {
330     "Benamning": {
331         "sv": "Ok\u00e4nt land",
332         "en": "Unknown country"
333     },
334     "Beskrivning": {},
335     "Dolt": false,
336     "Giltighetsperiod": {
337         "Slutdatum": "2016-07-01"
338     },
339     "ID": "101033",
340     "Kod": "XX",
341     "LarosateID": -1
342 },
343 {
344     "Benamning": {
345         "sv": "Palau",
346         "en": "Palau"
347     },
348     "Beskrivning": {},
349     "Dolt": false,
350     "Giltighetsperiod": {},
351     "ID": "101034",
352     "Kod": "PW",
353     "LarosateID": -1
354 },
355 {
356     "Benamning": {
357         "sv": "Saint Kitts och Nevis",
358         "en": "Saint Kitts and Nevis"
359     },
360     "Beskrivning": {},
361     "Dolt": false,
362     "Giltighetsperiod": {},
363     "ID": "101035",
364     "Kod": "KN",
365     "LarosateID": -1
366 },
367 {
368     "Benamning": {
369         "sv": "Serbien-Montenegro",
370         "en": "Serbia and Montenegro"
371     },
372     "Beskrivning": {},
373     "Dolt": false,
```

```
374     "Giltighetsperiod": {
375         "Slutdatum": "2006-05-21",
376         "Startdatum": "2003-02-04"
377     },
378     "ID": "101036",
379     "Kod": "CS",
380     "LarosateID": -1
381 },
382 {
383     "Benamning": {
384         "sv": "Sovjetunionen",
385         "en": "Soviet Union"
386     },
387     "Beskrivning": {},
388     "Dolt": false,
389     "Giltighetsperiod": {
390         "Slutdatum": "1991-12-26",
391         "Startdatum": "1922-12-30"
392     },
393     "ID": "101037",
394     "Kod": "SU",
395     "LarosateID": -1
396 },
397 {
398     "Benamning": {
399         "sv": "Sydsudan",
400         "en": "South Sudan"
401     },
402     "Beskrivning": {},
403     "Dolt": false,
404     "Giltighetsperiod": {
405         "Startdatum": "2011-07-09"
406     },
407     "ID": "101038",
408     "Kod": "SS",
409     "LarosateID": -1
410 },
411 {
412     "Benamning": {
413         "sv": "Bahamas",
414         "en": "Bahamas"
415     },
416     "Beskrivning": {},
417     "Dolt": false,
418     "Giltighetsperiod": {},
419     "ID": "22",
420     "Kod": "BS",
421     "LarosateID": -1
422 },
423 {
```



```

424     "Benamning": {
425         "sv": "Bhutan",
426         "en": "Bhutan"
427     },
428     "Beskrivning": {},
429     "Dolt": false,
430     "Giltighetsperiod": {},
431     "ID": "23",
432     "Kod": "BT",
433     "LarosateID": -1
434 },
435 {
436     "Benamning": {
437         "sv": "Botswana",
438         "en": "Botswana"
439     },
440     "Beskrivning": {},
441     "Dolt": false,
442     "Giltighetsperiod": {},
443     "ID": "24",
444     "Kod": "BW",
445     "LarosateID": -1
446 },
447 {
448     "Benamning": {
449         "sv": "Belarus",
450         "en": "Belarus"
451     },
452     "Beskrivning": {
453         "sv": "Vitryssland. Fr\u00e5n 2019-11-24 anv\u00e4nder Utrikesdepartementet officiellt namnet Belar
454     },
455     "Dolt": false,
456     "Giltighetsperiod": {},
457     "ID": "25",
458     "Kod": "BY",
459     "LarosateID": -1
460 },
461 {
462     "Benamning": {
463         "sv": "Belize",
464         "en": "Belize"
465     },
466     "Beskrivning": {},
467     "Dolt": false,
468     "Giltighetsperiod": {},
469     "ID": "26",
470     "Kod": "BZ",
471     "LarosateID": -1
472 },
473 {

```

```
474     "Benamning": {
475       "sv": "Kanada",
476       "en": "Canada"
477     },
478     "Beskrivning": {},
479     "Dolt": false,
480     "Giltighetsperiod": {},
481     "ID": "27",
482     "Kod": "CA",
483     "LarosateID": -1
484   },
485   {
486     "Benamning": {
487       "sv": "Demokratiska republiken Kongo",
488       "en": "Democratic Republic of the Congo"
489     },
490     "Beskrivning": {
491       "sv": "Kongo-Kinshasa (f.d. Zaire)"
492     },
493     "Dolt": false,
494     "Giltighetsperiod": {},
495     "ID": "28",
496     "Kod": "CD",
497     "LarosateID": -1
498   },
499   {
500     "Benamning": {
501       "sv": "Centralafrikanska republiken",
502       "en": "Central African Republic"
503     },
504     "Beskrivning": {},
505     "Dolt": false,
506     "Giltighetsperiod": {},
507     "ID": "29",
508     "Kod": "CF",
509     "LarosateID": -1
510   },
511   {
512     "Benamning": {
513       "sv": "Kongo",
514       "en": "Congo"
515     },
516     "Beskrivning": {
517       "sv": "Kongo-Brazzaville"
518     },
519     "Dolt": false,
520     "Giltighetsperiod": {},
521     "ID": "30",
522     "Kod": "CG",
523     "LarosateID": -1
```

```
524     },
525     {
526         "Benamning": {
527             "sv": "Schweiz",
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1618         "en": "Brazil"
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1623     "ID": "21",

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1754     },
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1908         "en": "Djibouti"
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1921     },
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1973     "ID": "101023",
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1986         "Startdatum": "1918-12-01"
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1989     "Kod": "YU",
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1995         "en": "Comoros"
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2019         "en": "Marshall Islands"
2020     },
2021     "Beskrivning": {},
2022     "Dolt": false,
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2031         "en": "Chile"
2032     },
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2039 },
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2043         "en": "Cameroon"
2044     },
2045     "Beskrivning": {},
2046     "Dolt": false,
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2067         "en": "Colombia"
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2079         "en": "Costa Rica"
2080     },
2081     "Beskrivning": {},
2082     "Dolt": false,
2083     "Giltighetsperiod": {},
2084     "ID": "37",
2085     "Kod": "CR",
2086     "LarosateID": -1
2087 },
2088 {
2089     "Benamning": {
2090         "sv": "Kuba",
2091         "en": "Cuba"
2092     },
2093     "Beskrivning": {},
2094     "Dolt": false,
2095     "Giltighetsperiod": {},
2096     "ID": "38",
2097     "Kod": "CU",
2098     "LarosateID": -1
2099 },
2100 {
2101     "Benamning": {
2102         "sv": "Kap Verde",
2103         "en": "Cape Verde"
2104     },
2105     "Beskrivning": {},
2106     "Dolt": false,
2107     "Giltighetsperiod": {},
2108     "ID": "39",
2109     "Kod": "CV",
2110     "LarosateID": -1
2111 },
2112 {
2113     "Benamning": {
2114         "sv": "Cypern",
2115         "en": "Cyprus"
2116     },
2117     "Beskrivning": {},
2118     "Dolt": false,
2119     "Giltighetsperiod": {},
2120     "ID": "40",
2121     "Kod": "CY",
2122     "LarosateID": -1
2123 },
```

```
2124     {
2125         "Benamning": {
2126             "sv": "Tjeckien",
2127             "en": "Czech Republic"
2128         },
2129         "Beskrivning": {},
2130         "Dolt": false,
2131         "Giltighetsperiod": {},
2132         "ID": "41",
2133         "Kod": "CZ",
2134         "LarosateID": -1
2135     },
2136     {
2137         "Benamning": {
2138             "sv": "Tyskland",
2139             "en": "Germany"
2140         },
2141         "Beskrivning": {},
2142         "Dolt": false,
2143         "Giltighetsperiod": {},
2144         "ID": "42",
2145         "Kod": "DE",
2146         "LarosateID": -1
2147     },
2148     {
2149         "Benamning": {
2150             "sv": "Danmark",
2151             "en": "Denmark"
2152         },
2153         "Beskrivning": {},
2154         "Dolt": false,
2155         "Giltighetsperiod": {},
2156         "ID": "43",
2157         "Kod": "DK",
2158         "LarosateID": -1
2159     },
2160     {
2161         "Benamning": {
2162             "sv": "Grekland",
2163             "en": "Greece"
2164         },
2165         "Beskrivning": {},
2166         "Dolt": false,
2167         "Giltighetsperiod": {},
2168         "ID": "66",
2169         "Kod": "GR",
2170         "LarosateID": -1
2171     },
2172     {
2173         "Benamning": {
```

```
2174         "sv": "Guatemala",
2175         "en": "Guatemala"
2176     },
2177     "Beskrivning": {},
2178     "Dolt": false,
2179     "Giltighetsperiod": {},
2180     "ID": "67",
2181     "Kod": "GT",
2182     "LarosateID": -1
2183 },
2184 {
2185     "Benamning": {
2186         "sv": "Guinea-Bissau",
2187         "en": "Guinea-Bissau"
2188     },
2189     "Beskrivning": {},
2190     "Dolt": false,
2191     "Giltighetsperiod": {},
2192     "ID": "68",
2193     "Kod": "GW",
2194     "LarosateID": -1
2195 },
2196 {
2197     "Benamning": {
2198         "sv": "Guyana",
2199         "en": "Guyana"
2200     },
2201     "Beskrivning": {},
2202     "Dolt": false,
2203     "Giltighetsperiod": {},
2204     "ID": "69",
2205     "Kod": "GY",
2206     "LarosateID": -1
2207 },
2208 {
2209     "Benamning": {
2210         "sv": "Hongkong",
2211         "en": "Hong Kong"
2212     },
2213     "Beskrivning": {},
2214     "Dolt": false,
2215     "Giltighetsperiod": {},
2216     "ID": "70",
2217     "Kod": "HK",
2218     "LarosateID": -1
2219 },
2220 {
2221     "Benamning": {
2222         "sv": "Honduras",
2223         "en": "Honduras"
```

```
2224     },
2225     "Beskrivning": {},
2226     "Dolt": false,
2227     "Giltighetsperiod": {},
2228     "ID": "71",
2229     "Kod": "HN",
2230     "LarosateID": -1
2231 },
2232 {
2233     "Benamning": {
2234         "sv": "Kroatien",
2235         "en": "Croatia"
2236     },
2237     "Beskrivning": {},
2238     "Dolt": false,
2239     "Giltighetsperiod": {},
2240     "ID": "72",
2241     "Kod": "HR",
2242     "LarosateID": -1
2243 },
2244 {
2245     "Benamning": {
2246         "sv": "Haiti",
2247         "en": "Haiti"
2248     },
2249     "Beskrivning": {},
2250     "Dolt": false,
2251     "Giltighetsperiod": {},
2252     "ID": "73",
2253     "Kod": "HT",
2254     "LarosateID": -1
2255 },
2256 {
2257     "Benamning": {
2258         "sv": "Ungern",
2259         "en": "Hungary"
2260     },
2261     "Beskrivning": {},
2262     "Dolt": false,
2263     "Giltighetsperiod": {},
2264     "ID": "74",
2265     "Kod": "HU",
2266     "LarosateID": -1
2267 },
2268 {
2269     "Benamning": {
2270         "sv": "Indonesien",
2271         "en": "Indonesia"
2272     },
2273     "Beskrivning": {},
```

```

2274     "Dolt": false,
2275     "Giltighetsperiod": {},
2276     "ID": "75",
2277     "Kod": "ID",
2278     "LarosateID": -1
2279 },
2280 {
2281     "Benamning": {
2282         "sv": "Irland",
2283         "en": "Ireland"
2284     },
2285     "Beskrivning": {},
2286     "Dolt": false,
2287     "Giltighetsperiod": {},
2288     "ID": "76",
2289     "Kod": "IE",
2290     "LarosateID": -1
2291 },
2292 {
2293     "Benamning": {
2294         "sv": "Kambodja",
2295         "en": "Cambodia"
2296     },
2297     "Beskrivning": {},
2298     "Dolt": false,
2299     "Giltighetsperiod": {},
2300     "ID": "88",
2301     "Kod": "KH",
2302     "LarosateID": -1
2303 },
2304 {
2305     "Benamning": {
2306         "sv": "Kiribati",
2307         "en": "Kiribati"
2308     },
2309     "Beskrivning": {},
2310     "Dolt": false,
2311     "Giltighetsperiod": {},
2312     "ID": "89",
2313     "Kod": "KI",
2314     "LarosateID": -1
2315 },
2316 {
2317     "Benamning": {
2318         "sv": "Nordkorea",
2319         "en": "North Korea"
2320     },
2321     "Beskrivning": {
2322         "sv": "Demokratiska folkrepubliken Korea/Democratic People's Republic of Korea"
2323     },

```

```
2324     "Dolt": false,
2325     "Giltighetsperiod": {},
2326     "ID": "90",
2327     "Kod": "KP",
2328     "LarosateID": -1
2329 },
2330 {
2331     "Benamning": {
2332         "sv": "Sydkorea",
2333         "en": "South Korea"
2334     },
2335     "Beskrivning": {
2336         "sv": "Republiken Korea/The Republic of Korea"
2337     },
2338     "Dolt": false,
2339     "Giltighetsperiod": {},
2340     "ID": "91",
2341     "Kod": "KR",
2342     "LarosateID": -1
2343 },
2344 {
2345     "Benamning": {
2346         "sv": "Kuwait",
2347         "en": "Kuwait"
2348     },
2349     "Beskrivning": {},
2350     "Dolt": false,
2351     "Giltighetsperiod": {},
2352     "ID": "92",
2353     "Kod": "KW",
2354     "LarosateID": -1
2355 },
2356 {
2357     "Benamning": {
2358         "sv": "Kazakstan",
2359         "en": "Kazakhstan"
2360     },
2361     "Beskrivning": {},
2362     "Dolt": false,
2363     "Giltighetsperiod": {},
2364     "ID": "93",
2365     "Kod": "KZ",
2366     "LarosateID": -1
2367 },
2368 {
2369     "Benamning": {
2370         "sv": "Laos",
2371         "en": "Laos"
2372     },
2373     "Beskrivning": {},
```

```
2374     "Dolt": false,
2375     "Giltighetsperiod": {},
2376     "ID": "94",
2377     "Kod": "LA",
2378     "LarosateID": -1
2379 },
2380 {
2381     "Benamning": {
2382         "sv": "Libanon",
2383         "en": "Lebanon"
2384     },
2385     "Beskrivning": {},
2386     "Dolt": false,
2387     "Giltighetsperiod": {},
2388     "ID": "95",
2389     "Kod": "LB",
2390     "LarosateID": -1
2391 },
2392 {
2393     "Benamning": {
2394         "sv": "Liechtenstein",
2395         "en": "Liechtenstein"
2396     },
2397     "Beskrivning": {},
2398     "Dolt": false,
2399     "Giltighetsperiod": {},
2400     "ID": "96",
2401     "Kod": "LI",
2402     "LarosateID": -1
2403 },
2404 {
2405     "Benamning": {
2406         "sv": "Sri Lanka",
2407         "en": "Sri Lanka"
2408     },
2409     "Beskrivning": {},
2410     "Dolt": false,
2411     "Giltighetsperiod": {},
2412     "ID": "97",
2413     "Kod": "LK",
2414     "LarosateID": -1
2415 },
2416 {
2417     "Benamning": {
2418         "sv": "Liberia",
2419         "en": "Liberia"
2420     },
2421     "Beskrivning": {},
2422     "Dolt": false,
2423     "Giltighetsperiod": {},
```



```
2424     "ID": "98",
2425     "Kod": "LR",
2426     "LarosateID": -1
2427 },
2428 {
2429     "Benamning": {
2430         "sv": "Namibia",
2431         "en": "Namibia"
2432     },
2433     "Beskrivning": {},
2434     "Dolt": false,
2435     "Giltighetsperiod": {},
2436     "ID": "121",
2437     "Kod": "NA",
2438     "LarosateID": -1
2439 },
2440 {
2441     "Benamning": {
2442         "sv": "Nya Kaledonien",
2443         "en": "New Caledonia"
2444     },
2445     "Beskrivning": {},
2446     "Dolt": false,
2447     "Giltighetsperiod": {},
2448     "ID": "122",
2449     "Kod": "NC",
2450     "LarosateID": -1
2451 },
2452 {
2453     "Benamning": {
2454         "sv": "Niger",
2455         "en": "Niger"
2456     },
2457     "Beskrivning": {},
2458     "Dolt": false,
2459     "Giltighetsperiod": {},
2460     "ID": "123",
2461     "Kod": "NE",
2462     "LarosateID": -1
2463 },
2464 {
2465     "Benamning": {
2466         "sv": "Nigeria",
2467         "en": "Nigeria"
2468     },
2469     "Beskrivning": {},
2470     "Dolt": false,
2471     "Giltighetsperiod": {},
2472     "ID": "124",
2473     "Kod": "NG",
```

```
2474     "LarosateID": -1
2475 },
2476 {
2477     "Benamning": {
2478         "sv": "Nicaragua",
2479         "en": "Nicaragua"
2480     },
2481     "Beskrivning": {},
2482     "Dolt": false,
2483     "Giltighetsperiod": {},
2484     "ID": "125",
2485     "Kod": "NI",
2486     "LarosateID": -1
2487 },
2488 {
2489     "Benamning": {
2490         "sv": "Nederl\u00e4nderna",
2491         "en": "Netherlands"
2492     },
2493     "Beskrivning": {},
2494     "Dolt": false,
2495     "Giltighetsperiod": {},
2496     "ID": "126",
2497     "Kod": "NL",
2498     "LarosateID": -1
2499 },
2500 {
2501     "Benamning": {
2502         "sv": "Norge",
2503         "en": "Norway"
2504     },
2505     "Beskrivning": {},
2506     "Dolt": false,
2507     "Giltighetsperiod": {},
2508     "ID": "127",
2509     "Kod": "NO",
2510     "LarosateID": -1
2511 },
2512 {
2513     "Benamning": {
2514         "sv": "Nepal",
2515         "en": "Nepal"
2516     },
2517     "Beskrivning": {},
2518     "Dolt": false,
2519     "Giltighetsperiod": {},
2520     "ID": "128",
2521     "Kod": "NP",
2522     "LarosateID": -1
2523 },
```

```
2524     {
2525         "Benamning": {
2526             "sv": "Nya Zeeland",
2527             "en": "New Zealand"
2528         },
2529         "Beskrivning": {},
2530         "Dolt": false,
2531         "Giltighetsperiod": {},
2532         "ID": "129",
2533         "Kod": "NZ",
2534         "LarosateID": -1
2535     },
2536     {
2537         "Benamning": {
2538             "sv": "Oman",
2539             "en": "Oman"
2540         },
2541         "Beskrivning": {},
2542         "Dolt": false,
2543         "Giltighetsperiod": {},
2544         "ID": "130",
2545         "Kod": "OM",
2546         "LarosateID": -1
2547     },
2548     {
2549         "Benamning": {
2550             "sv": "Panama",
2551             "en": "Panama"
2552         },
2553         "Beskrivning": {},
2554         "Dolt": false,
2555         "Giltighetsperiod": {},
2556         "ID": "131",
2557         "Kod": "PA",
2558         "LarosateID": -1
2559     },
2560     {
2561         "Benamning": {
2562             "sv": "Somalia",
2563             "en": "Somalia"
2564         },
2565         "Beskrivning": {},
2566         "Dolt": false,
2567         "Giltighetsperiod": {},
2568         "ID": "154",
2569         "Kod": "SO",
2570         "LarosateID": -1
2571     },
2572     {
2573         "Benamning": {
```

```

2574         "sv": "Surinam",
2575         "en": "Suriname"
2576     },
2577     "Beskrivning": {},
2578     "Dolt": false,
2579     "Giltighetsperiod": {},
2580     "ID": "155",
2581     "Kod": "SR",
2582     "LarosateID": -1
2583 },
2584 {
2585     "Benamning": {
2586         "sv": "S\u00e3o Tom\u00e9 och Pr\u00edncipe",
2587         "en": "S\u00e3o Tom\u00e9 and Pr\u00edncipe"
2588     },
2589     "Beskrivning": {},
2590     "Dolt": false,
2591     "Giltighetsperiod": {},
2592     "ID": "156",
2593     "Kod": "ST",
2594     "LarosateID": -1
2595 },
2596 {
2597     "Benamning": {
2598         "sv": "El Salvador",
2599         "en": "El Salvador"
2600     },
2601     "Beskrivning": {},
2602     "Dolt": false,
2603     "Giltighetsperiod": {},
2604     "ID": "157",
2605     "Kod": "SV",
2606     "LarosateID": -1
2607 },
2608 {
2609     "Benamning": {
2610         "sv": "Syrien",
2611         "en": "Syria"
2612     },
2613     "Beskrivning": {},
2614     "Dolt": false,
2615     "Giltighetsperiod": {},
2616     "ID": "158",
2617     "Kod": "SY",
2618     "LarosateID": -1
2619 },
2620 {
2621     "Benamning": {
2622         "sv": "Eswatini",
2623         "en": "Eswatini"

```

```
2624     },
2625     "Beskrivning": {
2626       "sv": "Landet bytte namn fr\u0000e5n Swaziland till Eswatini i april 2018"
2627     },
2628     "Dolt": false,
2629     "Giltighetsperiod": {},
2630     "ID": "159",
2631     "Kod": "SZ",
2632     "LarosateID": -1
2633   },
2634   {
2635     "Benamning": {
2636       "sv": "Tchad",
2637       "en": "Chad"
2638     },
2639     "Beskrivning": {},
2640     "Dolt": false,
2641     "Giltighetsperiod": {},
2642     "ID": "160",
2643     "Kod": "TD",
2644     "LarosateID": -1
2645   },
2646   {
2647     "Benamning": {
2648       "sv": "Togo",
2649       "en": "Togo"
2650     },
2651     "Beskrivning": {},
2652     "Dolt": false,
2653     "Giltighetsperiod": {},
2654     "ID": "161",
2655     "Kod": "TG",
2656     "LarosateID": -1
2657   },
2658   {
2659     "Benamning": {
2660       "sv": "Thailand",
2661       "en": "Thailand"
2662     },
2663     "Beskrivning": {},
2664     "Dolt": false,
2665     "Giltighetsperiod": {},
2666     "ID": "162",
2667     "Kod": "TH",
2668     "LarosateID": -1
2669   },
2670   {
2671     "Benamning": {
2672       "sv": "Tadzjikistan",
2673       "en": "Tajikistan"
```

```

2674     },
2675     "Beskrivning": {},
2676     "Dolt": false,
2677     "Giltighetsperiod": {},
2678     "ID": "163",
2679     "Kod": "TJ",
2680     "LarosateID": -1
2681 },
2682 {
2683     "Benamning": {
2684         "sv": "\u00d6sttimor",
2685         "en": "Timor-Leste"
2686     },
2687     "Beskrivning": {},
2688     "Dolt": false,
2689     "Giltighetsperiod": {},
2690     "ID": "164",
2691     "Kod": "TL",
2692     "LarosateID": -1
2693 }
2694 ]
2695 }

```

## 20.9 undervisningstid\_JSON

```

1079a <LadokSession data methods 95c>+≡
# added by GQMjr
def undervisningstid_JSON(self):
    """
    Returns a dictionary of teaching times.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/undervisningstid',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

```

1079b <test functions 99b>+≡
def test_undervisningstid_JSON():
    r = ladok.undervisningstid_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Undervisningstid": [
3      {
4          "Benamning": {
5              "sv": "Blandad undervisningstid",

```

```
6         "en": "Mixed-time"
7     },
8     "Beskrivning": {},
9     "Dolt": true,
10    "Giltighetsperiod": {},
11    "ID": "101051",
12    "Kod": "BLA",
13    "LarosateID": -1
14 },
15 {
16     "Benamning": {
17         "sv": "Dagtid",
18         "en": "Day-time"
19     },
20     "Beskrivning": {},
21     "Dolt": false,
22     "Giltighetsperiod": {},
23     "ID": "101052",
24     "Kod": "DAG",
25     "LarosateID": -1
26 },
27 {
28     "Benamning": {
29         "sv": "Eftermiddagstid",
30         "en": "Afternoon-time"
31     },
32     "Beskrivning": {},
33     "Dolt": true,
34     "Giltighetsperiod": {},
35     "ID": "101053",
36     "Kod": "EFT",
37     "LarosateID": -1
38 },
39 {
40     "Benamning": {
41         "sv": "Ingen undervisningstid",
42         "en": "No teaching"
43     },
44     "Beskrivning": {},
45     "Dolt": true,
46     "Giltighetsperiod": {
47         "Slutdatum": "2016-04-30"
48     },
49     "ID": "101054",
50     "Kod": "ING",
51     "LarosateID": -1
52 },
53 {
54     "Benamning": {
55         "sv": "Kv\u00e4llstid",
```

```

56         "en": "Evening-time"
57     },
58     "Beskrivning": {},
59     "Dolt": false,
60     "Giltighetsperiod": {},
61     "ID": "101055",
62     "Kod": "KV\u00c4",
63     "LarosateID": -1
64 },
65 {
66     "Benamning": {
67         "sv": "Veckoslut",
68         "en": "Weekends"
69     },
70     "Beskrivning": {},
71     "Dolt": false,
72     "Giltighetsperiod": {},
73     "ID": "101056",
74     "Kod": "VSL",
75     "LarosateID": -1
76 }
77 ]
78 }

```

## 20.10 successivfordjupning\_JSON

1081a *<LadokSession data methods 95c>+≡*

```

# RETURNERAR JSON of Successive Specializations
def successivfordjupning_JSON(self):
    """
    Returns a dictionary of Successive Specializations.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/successivfordjupning',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1081b *<test functions 99b>+≡*

```

def test_successivfordjupning_JSON():
    r = ladok.successivfordjupning_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "SuccessivFordjupning": [
3      {
4          "Benamning": {

```



```
5         "sv": "Avancerad niv\u00e5, inneh\u00e5ller examensarbete f\u00f6r magisterexamen",
6         "en": "Second cycle, contains degree project for Master of Arts/Master of Science (60 credits)"
7     },
8     "Beskrivning": {},
9     "Dolt": false,
10    "Giltighetsperiod": {},
11    "ID": "1",
12    "Kod": "A1E",
13    "LarosateID": -1,
14    "NivaInomStudieordningID": 2
15 },
16 {
17     "Benamning": {
18         "sv": "Avancerad niv\u00e5, har kurs/er p\u00e5 avancerad niv\u00e5 som f\u00f6rkunskapskrav",
19         "en": "Second cycle, has second-cycle course/s as entry requirements"
20     },
21     "Beskrivning": {},
22     "Dolt": false,
23     "Giltighetsperiod": {},
24     "ID": "2",
25     "Kod": "A1F",
26     "LarosateID": -1,
27     "NivaInomStudieordningID": 2
28 },
29 {
30     "Benamning": {
31         "sv": "Avancerad niv\u00e5, har endast kurs/er p\u00e5 grundniv\u00e5 som f\u00f6rkunskapskrav",
32         "en": "Second cycle, has only first-cycle course/s as entry requirements"
33     },
34     "Beskrivning": {},
35     "Dolt": false,
36     "Giltighetsperiod": {},
37     "ID": "3",
38     "Kod": "A1N",
39     "LarosateID": -1,
40     "NivaInomStudieordningID": 2
41 },
42 {
43     "Benamning": {
44         "sv": "Avancerad niv\u00e5, inneh\u00e5ller examensarbete f\u00f6r masterexamen",
45         "en": "Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)"
46     },
47     "Beskrivning": {},
48     "Dolt": false,
49     "Giltighetsperiod": {},
50     "ID": "4",
51     "Kod": "A2E",
52     "LarosateID": -1,
53     "NivaInomStudieordningID": 2
54 },
```

```

55     {
56         "Benamning": {
57             "sv": "Avancerad niv\u00e5, kursens f\u00f6rdjupning kan inte klassificeras",
58             "en": "Second cycle, in-depth level of the course cannot be classified"
59         },
60         "Beskrivning": {},
61         "Dolt": false,
62         "Giltighetsperiod": {},
63         "ID": "5",
64         "Kod": "AXX",
65         "LarosateID": -1,
66         "NivaInomStudieordningID": 2
67     },
68     {
69         "Benamning": {
70             "sv": "Grundniv\u00e5, inneh\u00e5ller s\u00e4rskilt utformat examensarbete f\u00f6r h\u00f6gskole",
71             "en": "First cycle, contains specially designed degree project for Higher Education Diploma"
72         },
73         "Beskrivning": {},
74         "Dolt": false,
75         "Giltighetsperiod": {},
76         "ID": "6",
77         "Kod": "G1E",
78         "LarosateID": -1,
79         "NivaInomStudieordningID": 1
80     },
81     {
82         "Benamning": {
83             "sv": "Grundniv\u00e5, har mindre \u00e4n 60 hp kurs/er p\u00e5 grundniv\u00e5 som f\u00f6rkunskaps",
84             "en": "First cycle, has less than 60 credits in first-cycle course/s as entry requirements"
85         },
86         "Beskrivning": {},
87         "Dolt": false,
88         "Giltighetsperiod": {},
89         "ID": "7",
90         "Kod": "G1F",
91         "LarosateID": -1,
92         "NivaInomStudieordningID": 1
93     },
94     {
95         "Benamning": {
96             "sv": "Grundniv\u00e5, har endast gymnasiala f\u00f6rkunskapskrav",
97             "en": "First cycle, has only upper-secondary level entry requirements"
98         },
99         "Beskrivning": {},
100        "Dolt": false,
101        "Giltighetsperiod": {},
102        "ID": "8",
103        "Kod": "G1N",
104        "LarosateID": -1,

```

```

105     "NivaInomStudieordningID": 1
106 },
107 {
108     "Benamning": {
109         "sv": "Grundniv\u00e5, har minst 60 hp kurs/er p\u00e5 grundniv\u00e5 som f\u00f6rkunskapskrav, in
110         "en": "First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contain
111     },
112     "Beskrivning": {},
113     "Dolt": false,
114     "Giltighetsperiod": {},
115     "ID": "9",
116     "Kod": "G2E",
117     "LarosateID": -1,
118     "NivaInomStudieordningID": 1
119 },
120 {
121     "Benamning": {
122         "sv": "Grundniv\u00e5, har minst 60 hp kurs/er p\u00e5 grundniv\u00e5 som f\u00f6rkunskapskrav",
123         "en": "First cycle, has at least 60 credits in first-cycle course/s as entry requirements"
124     },
125     "Beskrivning": {},
126     "Dolt": false,
127     "Giltighetsperiod": {},
128     "ID": "10",
129     "Kod": "G2F",
130     "LarosateID": -1,
131     "NivaInomStudieordningID": 1
132 },
133 {
134     "Benamning": {
135         "sv": "Grundniv\u00e5, kursens f\u00f6rddjupning kan inte klassificeras",
136         "en": "First cycle, in-depth level of the course cannot be classified"
137     },
138     "Beskrivning": {},
139     "Dolt": false,
140     "Giltighetsperiod": {},
141     "ID": "11",
142     "Kod": "GXX",
143     "LarosateID": -1,
144     "NivaInomStudieordningID": 1
145 }
146 ]
147 }

```

## 20.11 undervisningsform\_JSON

```

1084 <LadokSession data methods 95c>+≡
    # added by GQMjr
    def undervisningsform_JSON(self):

```

```

"""
Returns forms of education.
"""
r = self.session.get(
    url=self.base_gui_proxy_url +
    '/kataloginformation/internal/grunddata/undervisningsform',
    headers=self.headers).json()
return r

```

Let's add a test. This should return a dictionary.

```

1085 <test functions 99b>+≡
def test_undervisningsform_JSON():
    r = ladok.undervisningsform_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2    "Undervisningsform": [
3      {
4        "Benamning": {
5          "sv": "Distans",
6          "en": "Distance learning"
7        },
8        "Beskrivning": {
9          "sv": "Obligatoriska tr\u00e4ffar kan f\u00f6rekomma"
10       },
11       "Dolt": false,
12       "Giltighetsperiod": {},
13       "ID": "2",
14       "Kod": "DST",
15       "LarosateID": -1
16     },
17     {
18       "Benamning": {
19         "sv": "Ingen undervisning",
20         "en": "No teaching"
21       },
22       "Beskrivning": {},
23       "Dolt": true,
24       "Giltighetsperiod": {
25         "Slutdatum": "2016-04-30"
26       },
27       "ID": "4",
28       "Kod": "ING",
29       "LarosateID": -1
30     },
31     {
32       "Benamning": {
33         "sv": "IT-baserad distansutbildning",

```

```

34     "en": "Web-based distance learning"
35 },
36 "Beskrivning": {
37     "sv": "Ingen platsbunden undervisning"
38 },
39 "Dolt": true,
40 "Giltighetsperiod": {
41     "Slutdatum": "2016-04-30"
42 },
43 "ID": "3",
44 "Kod": "ITD",
45 "LarosateID": -1
46 },
47 {
48     "Benamning": {
49         "sv": "Normal",
50         "en": "Normal teaching"
51     },
52     "Beskrivning": {},
53     "Dolt": false,
54     "Giltighetsperiod": {},
55     "ID": "1",
56     "Kod": "NML",
57     "LarosateID": -1
58 },
59 {
60     "Benamning": {
61         "sv": "IT-baserad distans",
62         "en": "- No translation available -"
63     },
64     "Beskrivning": {},
65     "Dolt": true,
66     "Giltighetsperiod": {
67         "Slutdatum": "2018-06-19"
68     },
69     "ID": "133253",
70     "Kod": "ITD",
71     "LarosateID": 29
72 },
73 {
74     "Benamning": {
75         "sv": "Undervisningsomr\u00e5det",
76         "en": "- No translation available -"
77     },
78     "Beskrivning": {},
79     "Dolt": true,
80     "Giltighetsperiod": {
81         "Slutdatum": "2018-06-19"
82     },
83     "ID": "133252",

```

```

84     "Kod": "LU",
85     "LarosateID": 29
86 }
87 ]
88 }

```

## 20.12 LokalaPerioder\_JSON

1087a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def LokalaPerioder_JSON(self):
    """
    Returns local periods.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/period',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1087b *<test functions 99b>+≡*

```

def test_LokalaPerioder_JSON():
    r = ladok.LokalaPerioder_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Period": [
3      {
4          "Benamning": {
5              "sv": "F\u00f6rsta halv\u00e5r 1953",
6              "en": "First six months of 1953"
7          },
8          "Beskrivning": {},
9          "Dolt": false,
10         "FromDate": "1953-01-01",
11         "Giltighetsperiod": {
12             "Slutdatum": "1953-06-30",
13             "Startdatum": "1953-01-01"
14         },
15         "ID": "29257",
16         "Kod": "1953V",
17         "LarosateID": 29,
18         "PeriodtypID": 3,
19         "TomDatum": "1953-06-30"
20     },
21     {
22         "Benamning": {
23             "sv": "Andra halv\u00e5r 1954",

```

```
24         "en": "Last six months of 1954"
25     },
26     "Beskrivning": {},
27     "Dolt": false,
28     "FromDatum": "1954-07-01",
29     "Giltighetsperiod": {
30         "Slutdatum": "1954-12-31",
31         "Startdatum": "1954-07-01"
32     },
33     "ID": "29186",
34     "Kod": "1954H",
35     "LarosateID": 29,
36     "PeriodtypID": 3,
37     "TomDatum": "1954-12-31"
38 },
39 {
40     "Benamning": {
41         "sv": "F\u00f6rsta halv\u00e5r 1954",
42         "en": "First six months of 1954"
43     },
44     "Beskrivning": {},
45     "Dolt": false,
46     "FromDatum": "1954-01-01",
47     "Giltighetsperiod": {
48         "Slutdatum": "1954-06-30",
49         "Startdatum": "1954-01-01"
50     },
51     "ID": "29258",
52     "Kod": "1954V",
53     "LarosateID": 29,
54     "PeriodtypID": 3,
55     "TomDatum": "1954-06-30"
56 },
57 {
58     "Benamning": {
59         "sv": "Andra halv\u00e5r 1955",
60         "en": "Last six months of 1955"
61     },
62     "Beskrivning": {},
63     "Dolt": false,
64     "FromDatum": "1955-07-01",
65     "Giltighetsperiod": {
66         "Slutdatum": "1955-12-31",
67         "Startdatum": "1955-07-01"
68     },
69     "ID": "29187",
70     "Kod": "1955H",
71     "LarosateID": 29,
72     "PeriodtypID": 3,
73     "TomDatum": "1955-12-31"
```

```
74     },
75     {
76         "Benamning": {
77             "sv": "F\u00f6rsta halv\u00e5r 1955",
78             "en": "First six months of 1955"
79         },
80         "Beskrivning": {},
81         "Dolt": false,
82         "FromDatum": "1955-01-01",
83         "Giltighetsperiod": {
84             "Slutdatum": "1955-06-30",
85             "Startdatum": "1955-01-01"
86         },
87         "ID": "29259",
88         "Kod": "1955V",
89         "LarosateID": 29,
90         "PeriodtypID": 3,
91         "TomDatum": "1955-06-30"
92     },
93     {
94         "Benamning": {
95             "sv": "Andra halv\u00e5r 1956",
96             "en": "Last six months of 1956"
97         },
98         "Beskrivning": {},
99         "Dolt": false,
100        "FromDatum": "1956-07-01",
101        "Giltighetsperiod": {
102            "Slutdatum": "1956-12-31",
103            "Startdatum": "1956-07-01"
104        },
105        "ID": "29188",
106        "Kod": "1956H",
107        "LarosateID": 29,
108        "PeriodtypID": 3,
109        "TomDatum": "1956-12-31"
110    },
111    {
112        "Benamning": {
113            "sv": "F\u00f6rsta halv\u00e5r 1956",
114            "en": "First six months of 1956"
115        },
116        "Beskrivning": {},
117        "Dolt": false,
118        "FromDatum": "1956-01-01",
119        "Giltighetsperiod": {
120            "Slutdatum": "1956-06-30",
121            "Startdatum": "1956-01-01"
122        },
123        "ID": "29260",
```



```
124     "Kod": "1956V",
125     "LarosateID": 29,
126     "PeriodtypID": 3,
127     "TomDatum": "1956-06-30"
128 },
129 {
130     "Benamning": {
131         "sv": "Andra halv\u00e5r 1957",
132         "en": "Last six months of 1957"
133     },
134     "Beskrivning": {},
135     "Dolt": false,
136     "FromDatum": "1957-07-01",
137     "Giltighetsperiod": {
138         "Slutdatum": "1957-12-31",
139         "Startdatum": "1957-07-01"
140     },
141     "ID": "29189",
142     "Kod": "1957H",
143     "LarosateID": 29,
144     "PeriodtypID": 3,
145     "TomDatum": "1957-12-31"
146 },
147 {
148     "Benamning": {
149         "sv": "F\u00f6rsta halv\u00e5r 1965",
150         "en": "First six months of 1965"
151     },
152     "Beskrivning": {},
153     "Dolt": false,
154     "FromDatum": "1965-01-01",
155     "Giltighetsperiod": {
156         "Slutdatum": "1965-06-30",
157         "Startdatum": "1965-01-01"
158     },
159     "ID": "29269",
160     "Kod": "1965V",
161     "LarosateID": 29,
162     "PeriodtypID": 3,
163     "TomDatum": "1965-06-30"
164 },
165 {
166     "Benamning": {
167         "sv": "Andra halv\u00e5r 1966",
168         "en": "Last six months of 1966"
169     },
170     "Beskrivning": {},
171     "Dolt": false,
172     "FromDatum": "1966-07-01",
173     "Giltighetsperiod": {
```

```
174         "Slutdatum": "1966-12-31",
175         "Startdatum": "1966-07-01"
176     },
177     "ID": "29198",
178     "Kod": "1966H",
179     "LarosateID": 29,
180     "PeriodtypID": 3,
181     "TomDatum": "1966-12-31"
182 },
183 {
184     "Benamning": {
185         "sv": "F\u00f6rsta halv\u00e5r 1966",
186         "en": "First six months of 1966"
187     },
188     "Beskrivning": {},
189     "Dolt": false,
190     "FromDatum": "1966-01-01",
191     "Giltighetsperiod": {
192         "Slutdatum": "1966-06-30",
193         "Startdatum": "1966-01-01"
194     },
195     "ID": "29270",
196     "Kod": "1966V",
197     "LarosateID": 29,
198     "PeriodtypID": 3,
199     "TomDatum": "1966-06-30"
200 },
201 {
202     "Benamning": {
203         "sv": "Andra halv\u00e5r 1967",
204         "en": "Last six months of 1967"
205     },
206     "Beskrivning": {},
207     "Dolt": false,
208     "FromDatum": "1967-07-01",
209     "Giltighetsperiod": {
210         "Slutdatum": "1967-12-31",
211         "Startdatum": "1967-07-01"
212     },
213     "ID": "29199",
214     "Kod": "1967H",
215     "LarosateID": 29,
216     "PeriodtypID": 3,
217     "TomDatum": "1967-12-31"
218 },
219 {
220     "Benamning": {
221         "sv": "F\u00f6rsta halv\u00e5r 1967",
222         "en": "First six months of 1967"
223     },
```

```

224     "Beskrivning": {},
225     "Dolt": false,
226     "FromDatum": "1967-01-01",
227     "Giltighetsperiod": {
228         "Slutdatum": "1967-06-30",
229         "Startdatum": "1967-01-01"
230     },
231     "ID": "29271",
232     "Kod": "1967V",
233     "LarosateID": 29,
234     "PeriodtypID": 3,
235     "TomDatum": "1967-06-30"
236 },
237 {
238     "Benamning": {
239         "sv": "Andra halv\u00e5r 1968",
240         "en": "Last six months of 1968"
241     },
242     "Beskrivning": {},
243     "Dolt": false,
244     "FromDatum": "1968-07-01",
245     "Giltighetsperiod": {
246         "Slutdatum": "1968-12-31",
247         "Startdatum": "1968-07-01"
248     },
249     "ID": "29200",
250     "Kod": "1968H",
251     "LarosateID": 29,
252     "PeriodtypID": 3,
253     "TomDatum": "1968-12-31"
254 },
255 {
256     "Benamning": {
257         "sv": "F\u00f6rsta halv\u00e5r 1968",
258         "en": "First six months of 1968"
259     },
260     "Beskrivning": {},
261     "Dolt": false,
262     "FromDatum": "1968-01-01",
263     "Giltighetsperiod": {
264         "Slutdatum": "1968-06-30",
265         "Startdatum": "1968-01-01"
266     },
267     "ID": "29272",
268     "Kod": "1968V",
269     "LarosateID": 29,
270     "PeriodtypID": 3,
271     "TomDatum": "1968-06-30"
272 },
273 {

```

```

274     "Benamning": {
275         "sv": "Andra halv\u00e5r 1969",
276         "en": "Last six months of 1969"
277     },
278     "Beskrivning": {},
279     "Dolt": false,
280     "FromDatum": "1969-07-01",
281     "Giltighetsperiod": {
282         "Slutdatum": "1969-12-31",
283         "Startdatum": "1969-07-01"
284     },
285     "ID": "29201",
286     "Kod": "1969H",
287     "LarosateID": 29,
288     "PeriodtypID": 3,
289     "TomDatum": "1969-12-31"
290 },
291 {
292     "Benamning": {
293         "sv": "F\u00f6rsta halv\u00e5r 1969",
294         "en": "First six months of 1969"
295     },
296     "Beskrivning": {},
297     "Dolt": false,
298     "FromDatum": "1969-01-01",
299     "Giltighetsperiod": {
300         "Slutdatum": "1969-06-30",
301         "Startdatum": "1969-01-01"
302     },
303     "ID": "29273",
304     "Kod": "1969V",
305     "LarosateID": 29,
306     "PeriodtypID": 3,
307     "TomDatum": "1969-06-30"
308 },
309 {
310     "Benamning": {
311         "sv": "Andra halv\u00e5r 1975",
312         "en": "Last six months of 1975"
313     },
314     "Beskrivning": {},
315     "Dolt": false,
316     "FromDatum": "1975-07-01",
317     "Giltighetsperiod": {
318         "Slutdatum": "1975-12-31",
319         "Startdatum": "1975-07-01"
320     },
321     "ID": "29207",
322     "Kod": "1975H",
323     "LarosateID": 29,

```

```

324     "PeriodtypID": 3,
325     "TomDatum": "1975-12-31"
326 },
327 {
328     "Benamning": {
329         "sv": "F\u00f6rsta halv\u00e5r 1975",
330         "en": "First six months of 1975"
331     },
332     "Beskrivning": {},
333     "Dolt": false,
334     "FromDatum": "1975-01-01",
335     "Giltighetsperiod": {
336         "Slutdatum": "1975-06-30",
337         "Startdatum": "1975-01-01"
338     },
339     "ID": "29279",
340     "Kod": "1975V",
341     "LarosateID": 29,
342     "PeriodtypID": 3,
343     "TomDatum": "1975-06-30"
344 },
345 {
346     "Benamning": {
347         "sv": "Kalender\u00e5r 1976",
348         "en": "Calendar year 1976"
349     },
350     "Beskrivning": {},
351     "Dolt": false,
352     "FromDatum": "1976-01-01",
353     "Giltighetsperiod": {
354         "Slutdatum": "1976-12-31",
355         "Startdatum": "1976-01-01"
356     },
357     "ID": "29107",
358     "Kod": "1976",
359     "LarosateID": 29,
360     "PeriodtypID": 1,
361     "TomDatum": "1976-12-31"
362 },
363 {
364     "Benamning": {
365         "sv": "Andra halv\u00e5r 1976",
366         "en": "Last six months of 1976"
367     },
368     "Beskrivning": {},
369     "Dolt": false,
370     "FromDatum": "1976-07-01",
371     "Giltighetsperiod": {
372         "Slutdatum": "1976-12-31",
373         "Startdatum": "1976-07-01"

```

```

374     },
375     "ID": "29208",
376     "Kod": "1976H",
377     "LarosateID": 29,
378     "PeriodtypID": 3,
379     "TomDatum": "1976-12-31"
380 },
381 {
382     "Benamning": {
383         "sv": "F\u00f6rsta halv\u00e5r 1976",
384         "en": "First six months of 1976"
385     },
386     "Beskrivning": {},
387     "Dolt": false,
388     "FromDatum": "1976-01-01",
389     "Giltighetsperiod": {
390         "Slutdatum": "1976-06-30",
391         "Startdatum": "1976-01-01"
392     },
393     "ID": "29280",
394     "Kod": "1976V",
395     "LarosateID": 29,
396     "PeriodtypID": 3,
397     "TomDatum": "1976-06-30"
398 },
399 {
400     "Benamning": {
401         "sv": "Kalender\u00e5r 1977",
402         "en": "Calendar year 1977"
403     },
404     "Beskrivning": {},
405     "Dolt": false,
406     "FromDatum": "1977-01-01",
407     "Giltighetsperiod": {
408         "Slutdatum": "1977-12-31",
409         "Startdatum": "1977-01-01"
410     },
411     "ID": "29108",
412     "Kod": "1977",
413     "LarosateID": 29,
414     "PeriodtypID": 1,
415     "TomDatum": "1977-12-31"
416 },
417 {
418     "Benamning": {
419         "sv": "Andra halv\u00e5r 1977",
420         "en": "Last six months of 1977"
421     },
422     "Beskrivning": {},
423     "Dolt": false,

```

```

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3672     "PeriodtypID": 2,
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6264     "PeriodtypID": 2,
6265     "TomDatum": "1970-08-14"
6266 },
6267 {
6268     "Benamning": {
6269         "sv": "V\u00e5rtermin 1971",
6270         "en": "Spring semester 1971"
6271     },
6272     "Beskrivning": {},
6273     "Dolt": false,
```

```
6274     "FromDatum": "1971-01-20",
6275     "Giltighetsperiod": {
6276         "Slutdatum": "1971-08-14",
6277         "Startdatum": "1971-01-20"
6278     },
6279     "ID": "133137",
6280     "Kod": "VT1971",
6281     "LarosateID": 29,
6282     "PeriodtypID": 2,
6283     "TomDatum": "1971-08-14"
6284 },
6285 {
6286     "Benamning": {
6287         "sv": "V\u000e5rtermin 1988",
6288         "en": "Spring semester 1988"
6289     },
6290     "Beskrivning": {},
6291     "Dolt": false,
6292     "FromDatum": "1988-01-20",
6293     "Giltighetsperiod": {
6294         "Slutdatum": "1988-08-14",
6295         "Startdatum": "1988-01-20"
6296     },
6297     "ID": "133145",
6298     "Kod": "VT1988",
6299     "LarosateID": 29,
6300     "PeriodtypID": 2,
6301     "TomDatum": "1988-08-14"
6302 },
6303 {
6304     "Benamning": {
6305         "sv": "V\u000e5rtermin 1989",
6306         "en": "Spring semester 1989"
6307     },
6308     "Beskrivning": {},
6309     "Dolt": false,
6310     "FromDatum": "1989-01-20",
6311     "Giltighetsperiod": {
6312         "Slutdatum": "1989-08-14",
6313         "Startdatum": "1989-01-20"
6314     },
6315     "ID": "133155",
6316     "Kod": "VT1989",
6317     "LarosateID": 29,
6318     "PeriodtypID": 2,
6319     "TomDatum": "1989-08-14"
6320 },
6321 {
6322     "Benamning": {
6323         "sv": "V\u000e5rtermin 1990",
```

```
6324         "en": "Spring semester 1990"
6325     },
6326     "Beskrivning": {},
6327     "Dolt": false,
6328     "FromDatum": "1990-01-20",
6329     "Giltighetsperiod": {
6330         "Slutdatum": "1990-08-14",
6331         "Startdatum": "1990-01-20"
6332     },
6333     "ID": "133150",
6334     "Kod": "VT1990",
6335     "LarosateID": 29,
6336     "PeriodtypID": 2,
6337     "TomDatum": "1990-08-14"
6338 },
6339 {
6340     "Benamning": {
6341         "sv": "V\u00e5rtermin 1991",
6342         "en": "Spring semester 1991"
6343     },
6344     "Beskrivning": {},
6345     "Dolt": false,
6346     "FromDatum": "1991-01-20",
6347     "Giltighetsperiod": {
6348         "Slutdatum": "1991-08-14",
6349         "Startdatum": "1991-01-20"
6350     },
6351     "ID": "133153",
6352     "Kod": "VT1991",
6353     "LarosateID": 29,
6354     "PeriodtypID": 2,
6355     "TomDatum": "1991-08-14"
6356 },
6357 {
6358     "Benamning": {
6359         "sv": "V\u00e5rtermin 1992",
6360         "en": "Spring semester 1992"
6361     },
6362     "Beskrivning": {},
6363     "Dolt": false,
6364     "FromDatum": "1992-01-20",
6365     "Giltighetsperiod": {
6366         "Slutdatum": "1992-08-14",
6367         "Startdatum": "1992-01-20"
6368     },
6369     "ID": "133152",
6370     "Kod": "VT1992",
6371     "LarosateID": 29,
6372     "PeriodtypID": 2,
6373     "TomDatum": "1992-08-14"
```

```
6374     },
6375     {
6376         "Benamning": {
6377             "sv": "V\u000e5rtermin 1993",
6378             "en": "Spring semester 1993"
6379         },
6380         "Beskrivning": {},
6381         "Dolt": false,
6382         "FromDatum": "1993-01-20",
6383         "Giltighetsperiod": {
6384             "Slutdatum": "1993-08-14",
6385             "Startdatum": "1993-01-20"
6386         },
6387         "ID": "133151",
6388         "Kod": "VT1993",
6389         "LarosateID": 29,
6390         "PeriodtypID": 2,
6391         "TomDatum": "1993-08-14"
6392     },
6393     {
6394         "Benamning": {
6395             "sv": "V\u000e5rtermin 1994",
6396             "en": "Spring semester 1994"
6397         },
6398         "Beskrivning": {},
6399         "Dolt": false,
6400         "FromDatum": "1994-01-18",
6401         "Giltighetsperiod": {
6402             "Slutdatum": "1994-06-05",
6403             "Startdatum": "1994-01-18"
6404         },
6405         "ID": "133156",
6406         "Kod": "VT1994",
6407         "LarosateID": 29,
6408         "PeriodtypID": 2,
6409         "TomDatum": "1994-06-05"
6410     },
6411     {
6412         "Benamning": {
6413             "sv": "V\u000e5rtermin 1995",
6414             "en": "Spring semester 1995"
6415         },
6416         "Beskrivning": {},
6417         "Dolt": false,
6418         "FromDatum": "1995-01-16",
6419         "Giltighetsperiod": {
6420             "Slutdatum": "1995-06-04",
6421             "Startdatum": "1995-01-16"
6422         },
6423         "ID": "133154",
```

```
6424     "Kod": "VT1995",
6425     "LarosateID": 29,
6426     "PeriodtypID": 2,
6427     "TomDatum": "1995-06-04"
6428 },
6429 {
6430     "Benamning": {
6431         "sv": "V\u000e5rtermin 2021",
6432         "en": "Spring semester 2021"
6433     },
6434     "Beskrivning": {},
6435     "Dolt": false,
6436     "FromDatum": "2021-01-18",
6437     "Giltighetsperiod": {
6438         "Slutdatum": "2021-06-08",
6439         "Startdatum": "2021-01-18"
6440     },
6441     "ID": "133119",
6442     "Kod": "VT2021",
6443     "LarosateID": 29,
6444     "PeriodtypID": 2,
6445     "TomDatum": "2021-06-08"
6446 },
6447 {
6448     "Benamning": {
6449         "sv": "V\u000e5rtermin 2022",
6450         "en": "Spring semester 2022"
6451     },
6452     "Beskrivning": {},
6453     "Dolt": false,
6454     "FromDatum": "2022-01-18",
6455     "Giltighetsperiod": {
6456         "Slutdatum": "2022-06-07",
6457         "Startdatum": "2022-01-18"
6458     },
6459     "ID": "149450",
6460     "Kod": "VT2022",
6461     "LarosateID": 29,
6462     "PeriodtypID": 2,
6463     "TomDatum": "2022-06-07"
6464 },
6465 {
6466     "Benamning": {
6467         "sv": "V\u000e5rtermin 2023",
6468         "en": "Spring semester 2023"
6469     },
6470     "Beskrivning": {},
6471     "Dolt": false,
6472     "FromDatum": "2023-01-17",
6473     "Giltighetsperiod": {
```

```
6474         "Slutdatum": "2023-06-05",
6475         "Startdatum": "2023-01-17"
6476     },
6477     "ID": "150798",
6478     "Kod": "VT2023",
6479     "LarosateID": 29,
6480     "PeriodtypID": 2,
6481     "TomDatum": "2023-06-05"
6482 },
6483 {
6484     "Benamning": {
6485         "sv": "V\u00e5rtermin 2024",
6486         "en": "Spring semester 2024"
6487     },
6488     "Beskrivning": {},
6489     "Dolt": false,
6490     "FromDatum": "2024-01-16",
6491     "Giltighetsperiod": {
6492         "Slutdatum": "2024-06-03",
6493         "Startdatum": "2024-01-16"
6494     },
6495     "ID": "151879",
6496     "Kod": "VT2024",
6497     "LarosateID": 29,
6498     "PeriodtypID": 2,
6499     "TomDatum": "2024-06-03"
6500 },
6501 {
6502     "Benamning": {
6503         "sv": "V\u00e5rtermin 2025",
6504         "en": "Spring semester 2025"
6505     },
6506     "Beskrivning": {},
6507     "Dolt": false,
6508     "FromDatum": "2025-01-14",
6509     "Giltighetsperiod": {
6510         "Slutdatum": "2025-06-02",
6511         "Startdatum": "2025-01-14"
6512     },
6513     "ID": "153188",
6514     "Kod": "VT2025",
6515     "LarosateID": 29,
6516     "PeriodtypID": 2,
6517     "TomDatum": "2025-06-02"
6518 },
6519 {
6520     "Benamning": {
6521         "sv": "V\u00e5rtermin 2026",
6522         "en": "Spring semester 2026"
6523     },
```



```
6524     "Beskrivning": {},
6525     "Dolt": false,
6526     "FromDatum": "2026-01-13",
6527     "Giltighetsperiod": {
6528         "Slutdatum": "2026-06-01",
6529         "Startdatum": "2026-01-13"
6530     },
6531     "ID": "153189",
6532     "Kod": "VT2026",
6533     "LarosateID": 29,
6534     "PeriodtypID": 2,
6535     "TomDatum": "2026-06-01"
6536 },
6537 {
6538     "Benamning": {
6539         "sv": "V\u00e5rtermin 2027",
6540         "en": "Spring semester 2027"
6541     },
6542     "Beskrivning": {},
6543     "Dolt": false,
6544     "FromDatum": "2027-01-12",
6545     "Giltighetsperiod": {
6546         "Slutdatum": "2027-05-31",
6547         "Startdatum": "2027-01-12"
6548     },
6549     "ID": "153190",
6550     "Kod": "VT2027",
6551     "LarosateID": 29,
6552     "PeriodtypID": 2,
6553     "TomDatum": "2027-05-31"
6554 },
6555 {
6556     "Benamning": {
6557         "sv": "V\u00e5rtermin 2028",
6558         "en": "Spring semester 2028"
6559     },
6560     "Beskrivning": {},
6561     "Dolt": false,
6562     "FromDatum": "2028-01-17",
6563     "Giltighetsperiod": {
6564         "Slutdatum": "2028-06-04",
6565         "Startdatum": "2028-01-17"
6566     },
6567     "ID": "156664",
6568     "Kod": "VT2028",
6569     "LarosateID": 29,
6570     "PeriodtypID": 2,
6571     "TomDatum": "2028-06-04"
6572 }
6573 ]
```

6574 }

### 20.13 nivainomstudieordning\_JSON

1219a *<LadokSession data methods 95c>+≡*  
 # added by GQMJr  
 def nivainomstudieordning\_JSON(self):  
 """  
 Returns education levels.  
 """  
 r = self.session.get(  
 url=self.base\_gui\_proxy\_url +  
 '/kataloginformation/internal/grunddata/nivainomstudieordning',  
 headers=self.headers).json()  
 return r

Let's add a test. This should return a dictionary.

1219b *<test functions 99b>+≡*  
 def test\_nivainomstudieordning\_JSON():  
 r = ladok.nivainomstudieordning\_JSON()  
 assert type(r) == dict

This code is used in chunk 94.

The output looks like this:

```

1 {
2   "NivaInomStudieordning": [
3     {
4       "Benamning": {
5         "sv": "Grundniv\u00e5",
6         "en": "First cycle"
7       },
8       "Beskrivning": {},
9       "Dolt": false,
10      "Giltighetsperiod": {
11        "Startdatum": "2007-07-01"
12      },
13      "ID": "1",
14      "Kod": "1",
15      "LarosateID": -1
16    },
17    {
18      "Benamning": {
19        "sv": "Avancerad niv\u00e5",
20        "en": "Second cycle"
21      },
22      "Beskrivning": {},
23      "Dolt": false,
24      "Giltighetsperiod": {
25        "Startdatum": "2007-07-01"
26      },

```

```
27     "ID": "2",
28     "Kod": "2",
29     "LarosateID": -1
30 },
31 {
32     "Benamning": {
33         "sv": "Forskarniv\u00e5",
34         "en": "Third cycle"
35     },
36     "Beskrivning": {},
37     "Dolt": false,
38     "Giltighetsperiod": {
39         "Startdatum": "2007-07-01"
40     },
41     "ID": "3",
42     "Kod": "3",
43     "LarosateID": -1
44 },
45 {
46     "Benamning": {
47         "sv": "Forskarutbildning",
48         "en": "Postgraduate level"
49     },
50     "Beskrivning": {},
51     "Dolt": false,
52     "Giltighetsperiod": {
53         "Slutdatum": "2007-06-30",
54         "Startdatum": "1977-07-01"
55     },
56     "ID": "5",
57     "Kod": "F",
58     "LarosateID": -1
59 },
60 {
61     "Benamning": {
62         "sv": "Grundutbildning",
63         "en": "Undergraduate level"
64     },
65     "Beskrivning": {},
66     "Dolt": false,
67     "Giltighetsperiod": {
68         "Slutdatum": "2007-06-30",
69         "Startdatum": "1977-07-01"
70     },
71     "ID": "4",
72     "Kod": "G",
73     "LarosateID": -1
74 }
75 ]
76 }
```

## 20.14 amnesgrupp\_JSON

1221a `<LadokSession data methods 95c>+≡`

```
# added by GQMjr
def amnesgrupp_JSON(self):
    """
    Returns subject area groups.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/amnesgrupp',
        headers=self.headers).json()
    return r
```

Let's add a test. This should return a dictionary.

1221b `<test functions 99b>+≡`

```
def test_amnesgrupp_JSON():
    r = ladok.amnesgrupp_JSON()
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```
1 {
2   "Amnesgrupp": [
3     {
4       "Benamning": {
5         "sv": "Arkivvetenskap",
6         "en": "Archival Science"
7       },
8       "Beskrivning": {},
9       "Dolt": false,
10      "Giltighetsperiod": {},
11      "ID": "10",
12      "Kod": "AV1",
13      "LarosateID": -1
14    },
15    {
16      "Benamning": {
17        "sv": "\u00d6vrigt inom beteendevetenskap",
18        "en": "Other Subjects within Behavioural Science"
19      },
20      "Beskrivning": {},
21      "Dolt": false,
22      "Giltighetsperiod": {},
23      "ID": "11",
24      "Kod": "BE9",
25      "LarosateID": -1
26    },
27    {
28      "Benamning": {
29        "sv": "Biologi",
```

```

30     "en": "Biology"
31 },
32 "Beskrivning": {},
33 "Dolt": false,
34 "Giltighetsperiod": {},
35 "ID": "12",
36 "Kod": "BI1",
37 "LarosateID": -1
38 },
39 {
40   "Benamning": {
41     "sv": "Bosniska/kroatiska/serbiska",
42     "en": "Bosnian/Croatian/Serbian"
43   },
44   "Beskrivning": {},
45   "Dolt": false,
46   "Giltighetsperiod": {},
47   "ID": "13",
48   "Kod": "BK1",
49   "LarosateID": -1
50 },
51 {
52   "Benamning": {
53     "sv": "Biomedicinsk laboratorievetenskap",
54     "en": "Biomedical Laboratory Science"
55   },
56   "Beskrivning": {},
57   "Dolt": false,
58   "Giltighetsperiod": {},
59   "ID": "14",
60   "Kod": "BL1",
61   "LarosateID": -1
62 },
63 {
64   "Benamning": {
65     "sv": "Berg- och mineralteknik",
66     "en": "Mining and Mineral Technology"
67   },
68   "Beskrivning": {},
69   "Dolt": false,
70   "Giltighetsperiod": {},
71   "ID": "15",
72   "Kod": "BM1",
73   "LarosateID": -1
74 },
75 {
76   "Benamning": {
77     "sv": "Bioteknik",
78     "en": "Biotechnology"
79   },

```

```
80     "Beskrivning": {},
81     "Dolt": false,
82     "Giltighetsperiod": {},
83     "ID": "16",
84     "Kod": "BT1",
85     "LarosateID": -1
86 },
87 {
88     "Benamning": {
89         "sv": "Bulgariska",
90         "en": "Bulgarian"
91     },
92     "Beskrivning": {},
93     "Dolt": false,
94     "Giltighetsperiod": {},
95     "ID": "17",
96     "Kod": "BU1",
97     "LarosateID": -1
98 },
99 {
100     "Benamning": {
101         "sv": "Barn- och ungdomsstudier",
102         "en": "Child and Youth Education and Care"
103     },
104     "Beskrivning": {},
105     "Dolt": false,
106     "Giltighetsperiod": {},
107     "ID": "18",
108     "Kod": "BU2",
109     "LarosateID": -1
110 },
111 {
112     "Benamning": {
113         "sv": "Biblioteks- och informationsvetenskap",
114         "en": "Library and Information Science"
115     },
116     "Beskrivning": {},
117     "Dolt": false,
118     "Giltighetsperiod": {},
119     "ID": "19",
120     "Kod": "BV1",
121     "LarosateID": -1
122 },
123 {
124     "Benamning": {
125         "sv": "Byggteknik",
126         "en": "Building Technology"
127     },
128     "Beskrivning": {},
129     "Dolt": false,
```

```
130     "Giltighetsperiod": {},
131     "ID": "20",
132     "Kod": "BY1",
133     "LarosateID": -1
134 },
135 {
136     "Benamning": {
137         "sv": "Cirkus",
138         "en": "Circus"
139     },
140     "Beskrivning": {},
141     "Dolt": false,
142     "Giltighetsperiod": {},
143     "ID": "21",
144     "Kod": "CI1",
145     "LarosateID": -1
146 },
147 {
148     "Benamning": {
149         "sv": "Danska",
150         "en": "Danish"
151     },
152     "Beskrivning": {},
153     "Dolt": false,
154     "Giltighetsperiod": {},
155     "ID": "22",
156     "Kod": "DA1",
157     "LarosateID": -1
158 },
159 {
160     "Benamning": {
161         "sv": "Dans",
162         "en": "Dance"
163     },
164     "Beskrivning": {},
165     "Dolt": false,
166     "Giltighetsperiod": {},
167     "ID": "23",
168     "Kod": "DA2",
169     "LarosateID": -1
170 },
171 {
172     "Benamning": {
173         "sv": "Design",
174         "en": "Design"
175     },
176     "Beskrivning": {},
177     "Dolt": false,
178     "Giltighetsperiod": {},
179     "ID": "24",
```

```
180     "Kod": "DE1",
181     "LarosateID": -1
182 },
183 {
184     "Benamning": {
185         "sv": "Djuromv\u00e5rdnad",
186         "en": "Veterinary Nursing"
187     },
188     "Beskrivning": {},
189     "Dolt": false,
190     "Giltighetsperiod": {},
191     "ID": "25",
192     "Kod": "DJ1",
193     "LarosateID": -1
194 },
195 {
196     "Benamning": {
197         "sv": "Datateknik",
198         "en": "Computer Technology"
199     },
200     "Beskrivning": {},
201     "Dolt": false,
202     "Giltighetsperiod": {},
203     "ID": "26",
204     "Kod": "DT1",
205     "LarosateID": -1
206 },
207 {
208     "Benamning": {
209         "sv": "Dans- och teatervetenskap",
210         "en": "Dance and Theatre Studies"
211     },
212     "Beskrivning": {},
213     "Dolt": false,
214     "Giltighetsperiod": {},
215     "ID": "27",
216     "Kod": "DT2",
217     "LarosateID": -1
218 },
219 {
220     "Benamning": {
221         "sv": "Ekonomisk historia",
222         "en": "Economic History"
223     },
224     "Beskrivning": {},
225     "Dolt": false,
226     "Giltighetsperiod": {},
227     "ID": "28",
228     "Kod": "EH1",
229     "LarosateID": -1
```



```
230     },
231     {
232       "Benamning": {
233         "sv": "\u00d6vrigt inom ekonomi och administration",
234         "en": "Other Subjects within Economy and Administration"
235       },
236       "Beskrivning": {},
237       "Dolt": false,
238       "Giltighetsperiod": {},
239       "ID": "29",
240       "Kod": "EK9",
241       "LarosateID": -1
242     },
243     {
244       "Benamning": {
245         "sv": "Elektronik",
246         "en": "Electronics"
247       },
248       "Beskrivning": {},
249       "Dolt": false,
250       "Giltighetsperiod": {},
251       "ID": "30",
252       "Kod": "EL1",
253       "LarosateID": -1
254     },
255     {
256       "Benamning": {
257         "sv": "Engelska",
258         "en": "English"
259       },
260       "Beskrivning": {},
261       "Dolt": false,
262       "Giltighetsperiod": {},
263       "ID": "31",
264       "Kod": "EN1",
265       "LarosateID": -1
266     },
267     {
268       "Benamning": {
269         "sv": "Energiteknik",
270         "en": "Energy Technology"
271       },
272       "Beskrivning": {},
273       "Dolt": false,
274       "Giltighetsperiod": {},
275       "ID": "32",
276       "Kod": "EN2",
277       "LarosateID": -1
278     },
279     {
```

```
280     "Benamning": {
281       "sv": "Estniska",
282       "en": "Estonian"
283     },
284     "Beskrivning": {},
285     "Dolt": false,
286     "Giltighetsperiod": {},
287     "ID": "33",
288     "Kod": "ES1",
289     "LarosateID": -1
290   },
291   {
292     "Benamning": {
293       "sv": "Estetik",
294       "en": "Aesthetics"
295     },
296     "Beskrivning": {},
297     "Dolt": false,
298     "Giltighetsperiod": {},
299     "ID": "34",
300     "Kod": "ES2",
301     "LarosateID": -1
302   },
303   {
304     "Benamning": {
305       "sv": "Etnologi",
306       "en": "Ethnology"
307     },
308     "Beskrivning": {},
309     "Dolt": false,
310     "Giltighetsperiod": {},
311     "ID": "35",
312     "Kod": "ET1",
313     "LarosateID": -1
314   },
315   {
316     "Benamning": {
317       "sv": "Elektroteknik",
318       "en": "Electrical Engineering"
319     },
320     "Beskrivning": {},
321     "Dolt": false,
322     "Giltighetsperiod": {},
323     "ID": "36",
324     "Kod": "ET2",
325     "LarosateID": -1
326   },
327   {
328     "Benamning": {
329       "sv": "Film",
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330         "en": "Film Production"
331     },
332     "Beskrivning": {},
333     "Dolt": false,
334     "Giltighetsperiod": {},
335     "ID": "46",
336     "Kod": "FM1",
337     "LarosateID": -1
338 },
339 {
340     "Benamning": {
341         "sv": "Fysisk planering",
342         "en": "Spatial Planning"
343     },
344     "Beskrivning": {},
345     "Dolt": false,
346     "Giltighetsperiod": {},
347     "ID": "47",
348     "Kod": "FP1",
349     "LarosateID": -1
350 },
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353         "sv": "Franska",
354         "en": "French"
355     },
356     "Beskrivning": {},
357     "Dolt": false,
358     "Giltighetsperiod": {},
359     "ID": "48",
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361     "LarosateID": -1
362 },
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364     "Benamning": {
365         "sv": "Farkostteknik",
366         "en": "Vehicle Engineering"
367     },
368     "Beskrivning": {},
369     "Dolt": false,
370     "Giltighetsperiod": {},
371     "ID": "49",
372     "Kod": "FT1",
373     "LarosateID": -1
374 },
375 {
376     "Benamning": {
377         "sv": "Freds- och utvecklingsstudier",
378         "en": "Peace and Development Research"
379     },

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380     "Beskrivning": {},
381     "Dolt": false,
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383     "ID": "50",
384     "Kod": "FU1",
385     "LarosateID": -1
386 },
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388     "Benamning": {
389         "sv": "Filmvetenskap",
390         "en": "Film Studies"
391     },
392     "Beskrivning": {},
393     "Dolt": false,
394     "Giltighetsperiod": {},
395     "ID": "51",
396     "Kod": "FV1",
397     "LarosateID": -1
398 },
399 {
400     "Benamning": {
401         "sv": "Fiske och vattenbruk",
402         "en": "Fishery and Aquaculture"
403     },
404     "Beskrivning": {},
405     "Dolt": false,
406     "Giltighetsperiod": {},
407     "ID": "52",
408     "Kod": "FV2",
409     "LarosateID": -1
410 },
411 {
412     "Benamning": {
413         "sv": "Friskv\u00e5rd",
414         "en": "Physical Welfare"
415     },
416     "Beskrivning": {},
417     "Dolt": false,
418     "Giltighetsperiod": {},
419     "ID": "53",
420     "Kod": "FV3",
421     "LarosateID": -1
422 },
423 {
424     "Benamning": {
425         "sv": "Fysik",
426         "en": "Physics"
427     },
428     "Beskrivning": {},
429     "Dolt": false,
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430     "Giltighetsperiod": {},
431     "ID": "54",
432     "Kod": "FY1",
433     "LarosateID": -1
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436     "Benamning": {
437         "sv": "H\u00e4lso- och sjukv\u00e5rdsutveckling",
438         "en": "Health and Society"
439     },
440     "Beskrivning": {},
441     "Dolt": false,
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443     "ID": "64",
444     "Kod": "HS1",
445     "LarosateID": -1
446 },
447 {
448     "Benamning": {
449         "sv": "Handikappvetenskap",
450         "en": "Disability Studies"
451     },
452     "Beskrivning": {},
453     "Dolt": false,
454     "Giltighetsperiod": {},
455     "ID": "65",
456     "Kod": "HV1",
457     "LarosateID": -1
458 },
459 {
460     "Benamning": {
461         "sv": "Idrott/idrottsvetenskap",
462         "en": "Sport Science"
463     },
464     "Beskrivning": {},
465     "Dolt": false,
466     "Giltighetsperiod": {},
467     "ID": "66",
468     "Kod": "ID1",
469     "LarosateID": -1
470 },
471 {
472     "Benamning": {
473         "sv": "Industriell ekonomi och organisation",
474         "en": "Industrial Engineering and Management"
475     },
476     "Beskrivning": {},
477     "Dolt": false,
478     "Giltighetsperiod": {},
479     "ID": "67",

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480     "Kod": "IE1",
481     "LarosateID": -1
482 },
483 {
484     "Benamning": {
485         "sv": "Informatik/data- och systemvetenskap",
486         "en": "Informatics/Computer and Systems Sciences"
487     },
488     "Beskrivning": {},
489     "Dolt": false,
490     "Giltighetsperiod": {},
491     "ID": "68",
492     "Kod": "IF1",
493     "LarosateID": -1
494 },
495 {
496     "Benamning": {
497         "sv": "Id\u00e9- och l\u00e4rdomshistoria/id\u00e9historia",
498         "en": "History of Science and Ideas/History of Ideas"
499     },
500     "Beskrivning": {},
501     "Dolt": false,
502     "Giltighetsperiod": {},
503     "ID": "69",
504     "Kod": "IL1",
505     "LarosateID": -1
506 },
507 {
508     "Benamning": {
509         "sv": "Indonesiska",
510         "en": "Indonesian"
511     },
512     "Beskrivning": {},
513     "Dolt": false,
514     "Giltighetsperiod": {},
515     "ID": "70",
516     "Kod": "IN1",
517     "LarosateID": -1
518 },
519 {
520     "Benamning": {
521         "sv": "Indologi och sanskrit",
522         "en": "Indology and Sanskrit"
523     },
524     "Beskrivning": {},
525     "Dolt": false,
526     "Giltighetsperiod": {},
527     "ID": "71",
528     "Kod": "IS1",
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533         "sv": "Italienska",
534         "en": "Italian"
535       },
536       "Beskrivning": {},
537       "Dolt": false,
538       "Giltighetsperiod": {},
539       "ID": "72",
540       "Kod": "IT1",
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542     },
543     {
544       "Benamning": {
545         "sv": "Latin",
546         "en": "Latin"
547       },
548       "Beskrivning": {},
549       "Dolt": false,
550       "Giltighetsperiod": {},
551       "ID": "91",
552       "Kod": "LA1",
553       "LarosateID": -1
554     },
555     {
556       "Benamning": {
557         "sv": "Landskapsarkitektur",
558         "en": "Landscape Architecture"
559       },
560       "Beskrivning": {},
561       "Dolt": false,
562       "Giltighetsperiod": {},
563       "ID": "92",
564       "Kod": "LA2",
565       "LarosateID": -1
566     },
567     {
568       "Benamning": {
569         "sv": "Lettiska",
570         "en": "Latvian"
571       },
572       "Beskrivning": {},
573       "Dolt": false,
574       "Giltighetsperiod": {},
575       "ID": "93",
576       "Kod": "LE1",
577       "LarosateID": -1
578     },
579     {
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580     "Benamning": {
581       "sv": "Luftfart",
582       "en": "Aviation"
583     },
584     "Beskrivning": {},
585     "Dolt": false,
586     "Giltighetsperiod": {},
587     "ID": "94",
588     "Kod": "LF1",
589     "LarosateID": -1
590   },
591   {
592     "Benamning": {
593       "sv": "Litauiska",
594       "en": "Lithuanian"
595     },
596     "Beskrivning": {},
597     "Dolt": false,
598     "Giltighetsperiod": {},
599     "ID": "95",
600     "Kod": "LI1",
601     "LarosateID": -1
602   },
603   {
604     "Benamning": {
605       "sv": "L\u00e4nderkunskap/l\u00e4nderstudier",
606       "en": "Country Knowledge/Country Studies"
607     },
608     "Beskrivning": {},
609     "Dolt": false,
610     "Giltighetsperiod": {},
611     "ID": "96",
612     "Kod": "LL1",
613     "LarosateID": -1
614   },
615   {
616     "Benamning": {
617       "sv": "Livsmedelsvetenskap",
618       "en": "Food Science"
619     },
620     "Beskrivning": {},
621     "Dolt": false,
622     "Giltighetsperiod": {},
623     "ID": "97",
624     "Kod": "LM1",
625     "LarosateID": -1
626   },
627   {
628     "Benamning": {
629       "sv": "Ledarskap, organisation och styrning",

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630     "en": "Leadership, Organisation and Management"
631 },
632 "Beskrivning": {},
633 "Dolt": false,
634 "Giltighetsperiod": {},
635 "ID": "98",
636 "Kod": "L01",
637 "LarosateID": -1
638 },
639 {
640   "Benamning": {
641     "sv": "Litteraturvetenskap",
642     "en": "Comparative Literature"
643   },
644   "Beskrivning": {},
645   "Dolt": false,
646   "Giltighetsperiod": {},
647   "ID": "99",
648   "Kod": "LV1",
649   "LarosateID": -1
650 },
651 {
652   "Benamning": {
653     "sv": "Milj\u00f6v\u00e5rd och milj\u00f6skydd",
654     "en": "Environmental Care and Environmental Protection"
655   },
656   "Beskrivning": {},
657   "Dolt": false,
658   "Giltighetsperiod": {},
659   "ID": "109",
660   "Kod": "MM1",
661   "LarosateID": -1
662 },
663 {
664   "Benamning": {
665     "sv": "Medieproduktion",
666     "en": "Media Production"
667   },
668   "Beskrivning": {},
669   "Dolt": false,
670   "Giltighetsperiod": {},
671   "ID": "110",
672   "Kod": "MP1",
673   "LarosateID": -1
674 },
675 {
676   "Benamning": {
677     "sv": "M\u00e4nskliga r\u00e4ttigheter",
678     "en": "Human Rights"
679   },

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680     "Beskrivning": {},
681     "Dolt": false,
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683     "ID": "111",
684     "Kod": "MR1",
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686 },
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688     "Benamning": {
689         "sv": "Matematisk statistik",
690         "en": "Mathematical Statistics"
691     },
692     "Beskrivning": {},
693     "Dolt": false,
694     "Giltighetsperiod": {},
695     "ID": "112",
696     "Kod": "MS1",
697     "LarosateID": -1
698 },
699 {
700     "Benamning": {
701         "sv": "Maskinteknik",
702         "en": "Mechanical Engineering"
703     },
704     "Beskrivning": {},
705     "Dolt": false,
706     "Giltighetsperiod": {},
707     "ID": "113",
708     "Kod": "MT1",
709     "LarosateID": -1
710 },
711 {
712     "Benamning": {
713         "sv": "Medicinska tekniker",
714         "en": "Medical Technologies"
715     },
716     "Beskrivning": {},
717     "Dolt": false,
718     "Giltighetsperiod": {},
719     "ID": "114",
720     "Kod": "MT2",
721     "LarosateID": -1
722 },
723 {
724     "Benamning": {
725         "sv": "Musik",
726         "en": "Music"
727     },
728     "Beskrivning": {},
729     "Dolt": false,
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730     "Giltighetsperiod": {},
731     "ID": "115",
732     "Kod": "MU1",
733     "LarosateID": -1
734 },
735 {
736     "Benamning": {
737         "sv": "Milj\u00f6vetenskap",
738         "en": "Environmental Science"
739     },
740     "Beskrivning": {},
741     "Dolt": false,
742     "Giltighetsperiod": {},
743     "ID": "116",
744     "Kod": "MV1",
745     "LarosateID": -1
746 },
747 {
748     "Benamning": {
749         "sv": "Musikvetenskap",
750         "en": "Musicology"
751     },
752     "Beskrivning": {},
753     "Dolt": false,
754     "Giltighetsperiod": {},
755     "ID": "117",
756     "Kod": "MV2",
757     "LarosateID": -1
758 },
759 {
760     "Benamning": {
761         "sv": "Polska",
762         "en": "Polish"
763     },
764     "Beskrivning": {},
765     "Dolt": false,
766     "Giltighetsperiod": {},
767     "ID": "127",
768     "Kod": "P01",
769     "LarosateID": -1
770 },
771 {
772     "Benamning": {
773         "sv": "Persiska",
774         "en": "Persian"
775     },
776     "Beskrivning": {},
777     "Dolt": false,
778     "Giltighetsperiod": {},
779     "ID": "128",
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780     "Kod": "PR1",
781     "LarosateID": -1
782 },
783 {
784     "Benamning": {
785         "sv": "Psylogogi",
786         "en": "Psychology"
787     },
788     "Beskrivning": {},
789     "Dolt": false,
790     "Giltighetsperiod": {},
791     "ID": "129",
792     "Kod": "PS1",
793     "LarosateID": -1
794 },
795 {
796     "Benamning": {
797         "sv": "Portugisiska",
798         "en": "Portuguese"
799     },
800     "Beskrivning": {},
801     "Dolt": false,
802     "Giltighetsperiod": {},
803     "ID": "130",
804     "Kod": "PU1",
805     "LarosateID": -1
806 },
807 {
808     "Benamning": {
809         "sv": "Psyoterapi",
810         "en": "Psychotherapy"
811     },
812     "Beskrivning": {},
813     "Dolt": false,
814     "Giltighetsperiod": {},
815     "ID": "131",
816     "Kod": "PY1",
817     "LarosateID": -1
818 },
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820     "Benamning": {
821         "sv": "Regi",
822         "en": "Stage Direction"
823     },
824     "Beskrivning": {},
825     "Dolt": false,
826     "Giltighetsperiod": {},
827     "ID": "132",
828     "Kod": "RE1",
829     "LarosateID": -1
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830     },
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832         "Benamning": {
833             "sv": "Retorik",
834             "en": "Rhetoric"
835         },
836         "Beskrivning": {},
837         "Dolt": false,
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841         "LarosateID": -1
842     },
843     {
844         "Benamning": {
845             "sv": "Rum\u00e4nska",
846             "en": "Romanian"
847         },
848         "Beskrivning": {},
849         "Dolt": false,
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851         "ID": "134",
852         "Kod": "RU1",
853         "LarosateID": -1
854     },
855     {
856         "Benamning": {
857             "sv": "Religionsvetenskap",
858             "en": "Religious Studies"
859         },
860         "Beskrivning": {},
861         "Dolt": false,
862         "Giltighetsperiod": {},
863         "ID": "135",
864         "Kod": "RV1",
865         "LarosateID": -1
866     },
867     {
868         "Benamning": {
869             "sv": "Sociologi",
870             "en": "Sociology"
871         },
872         "Beskrivning": {},
873         "Dolt": false,
874         "Giltighetsperiod": {},
875         "ID": "145",
876         "Kod": "S01",
877         "LarosateID": -1
878     },
879     {
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880     "Benamning": {
881       "sv": "Socialantropologi",
882       "en": "Social Anthropology"
883     },
884     "Beskrivning": {},
885     "Dolt": false,
886     "Giltighetsperiod": {},
887     "ID": "146",
888     "Kod": "S02",
889     "LarosateID": -1
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892     "Benamning": {
893       "sv": "Spanska",
894       "en": "Spanish"
895     },
896     "Beskrivning": {},
897     "Dolt": false,
898     "Giltighetsperiod": {},
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900     "Kod": "SP1",
901     "LarosateID": -1
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903   {
904     "Benamning": {
905       "sv": "\u00d6vriga spr\u00e5k",
906       "en": "Other Languages"
907     },
908     "Beskrivning": {},
909     "Dolt": false,
910     "Giltighetsperiod": {},
911     "ID": "148",
912     "Kod": "SP2",
913     "LarosateID": -1
914   },
915   {
916     "Benamning": {
917       "sv": "Svenska som andraspr\u00e5k",
918       "en": "Swedish as a Second Language"
919     },
920     "Beskrivning": {},
921     "Dolt": false,
922     "Giltighetsperiod": {},
923     "ID": "149",
924     "Kod": "SS1",
925     "LarosateID": -1
926   },
927   {
928     "Benamning": {
929       "sv": "Socialt arbete och social omsorg",
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930         "en": "Social Work and Social Welfare"
931     },
932     "Beskrivning": {},
933     "Dolt": false,
934     "Giltighetsperiod": {},
935     "ID": "150",
936     "Kod": "SS2",
937     "LarosateID": -1
938 },
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940     "Benamning": {
941         "sv": "Statistik",
942         "en": "Statistics"
943     },
944     "Beskrivning": {},
945     "Dolt": false,
946     "Giltighetsperiod": {},
947     "ID": "151",
948     "Kod": "ST1",
949     "LarosateID": -1
950 },
951 {
952     "Benamning": {
953         "sv": "Statsvetenskap",
954         "en": "Political Science"
955     },
956     "Beskrivning": {},
957     "Dolt": false,
958     "Giltighetsperiod": {},
959     "ID": "152",
960     "Kod": "ST2",
961     "LarosateID": -1
962 },
963 {
964     "Benamning": {
965         "sv": "Svenska/nordiska spr\u00e5k",
966         "en": "Swedish/Scandinavian Languages"
967     },
968     "Beskrivning": {},
969     "Dolt": false,
970     "Giltighetsperiod": {},
971     "ID": "153",
972     "Kod": "SV1",
973     "LarosateID": -1
974 },
975 {
976     "Benamning": {
977         "sv": "Tjeckiska",
978         "en": "Czech"
979     },
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985     "LarosateID": -1
986 },
987 {
988     "Benamning": {
989         "sv": "Teologi",
990         "en": "Theology"
991     },
992     "Beskrivning": {},
993     "Dolt": false,
994     "Giltighetsperiod": {},
995     "ID": "164",
996     "Kod": "TL1",
997     "LarosateID": -1
998 },
999 {
1000     "Benamning": {
1001         "sv": "Tandteknik och oral h\u00e4lsa",
1002         "en": "Dental Technology and Oral Health"
1003     },
1004     "Beskrivning": {},
1005     "Dolt": false,
1006     "Giltighetsperiod": {},
1007     "ID": "165",
1008     "Kod": "T01",
1009     "LarosateID": -1
1010 },
1011 {
1012     "Benamning": {
1013         "sv": "\u00d6vers\u00e4ttning och tolkning",
1014         "en": "Translation and Interpretation"
1015     },
1016     "Beskrivning": {},
1017     "Dolt": false,
1018     "Giltighetsperiod": {},
1019     "ID": "166",
1020     "Kod": "T02",
1021     "LarosateID": -1
1022 },
1023 {
1024     "Benamning": {
1025         "sv": "\u00d6vrigt inom transportsektorn",
1026         "en": "Other Subjects within Transportation"
1027     },
1028     "Beskrivning": {},
1029     "Dolt": false,

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1030     "Giltighetsperiod": {},
1031     "ID": "167",
1032     "Kod": "TP9",
1033     "LarosateID": -1
1034 },
1035 {
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1037         "sv": "Terapi, rehabilitering och kostbehandling",
1038         "en": "Therapy, Rehabilitation and Dietary Treatment"
1039     },
1040     "Beskrivning": {},
1041     "Dolt": false,
1042     "Giltighetsperiod": {},
1043     "ID": "168",
1044     "Kod": "TR1",
1045     "LarosateID": -1
1046 },
1047 {
1048     "Benamning": {
1049         "sv": "Teknik i samh\u00e4llsperspektiv",
1050         "en": "Technology from a Social Perspective"
1051     },
1052     "Beskrivning": {},
1053     "Dolt": false,
1054     "Giltighetsperiod": {},
1055     "ID": "169",
1056     "Kod": "TS1",
1057     "LarosateID": -1
1058 },
1059 {
1060     "Benamning": {
1061         "sv": "Tr\u00e4fysik och tr\u00e4teknologi",
1062         "en": "Wood Physics and Wood Technology"
1063     },
1064     "Beskrivning": {},
1065     "Dolt": false,
1066     "Giltighetsperiod": {},
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1068     "Kod": "TT1",
1069     "LarosateID": -1
1070 },
1071 {
1072     "Benamning": {
1073         "sv": "Turism- och fritidsvetenskap",
1074         "en": "Tourism and Recreation Studies"
1075     },
1076     "Beskrivning": {},
1077     "Dolt": false,
1078     "Giltighetsperiod": {},
1079     "ID": "171",

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1082 },
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1122         "en": "General Linguistics"
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1314         "en": "Earth Science and Physical Geography"
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1326         "en": "Greek"
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1374         "en": "Other Subjects within the Humanities"
1375     },
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1434     "en": "Journalism"
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1446     "en": "Law and Legal Studies"
1447   },
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1628     "Beskrivning": {},
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1662         "en": "Medical Biology"
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1674         "en": "Operatic Stagecraft and Characterization"
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1698         "en": "Other Subjects within Medicine"
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1710         "en": "Culinary Arts and Home Economics Studies"
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1722         "en": "Media and Communication Studies"
1723     },
1724     "Beskrivning": {},
1725     "Dolt": false,
1726     "Giltighetsperiod": {},
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1794       "en": "Odontology"
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1796     "Beskrivning": {},
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1811     "ID": "124",
1812     "Kod": "OM1",
1813     "LarosateID": -1
1814   },
1815   {
1816     "Benamning": {
1817       "sv": "\u00d6vrigt inom omv\u00e5rdnad",
1818       "en": "Other Subjects within Nursing Science"
1819     },
1820     "Beskrivning": {},
1821     "Dolt": false,
1822     "Giltighetsperiod": {},
1823     "ID": "125",
1824     "Kod": "OM9",
1825     "LarosateID": -1
1826   },
1827   {
1828     "Benamning": {
1829       "sv": "Pedagogik",

```



```

1830         "en": "Education"
1831     },
1832     "Beskrivning": {},
1833     "Dolt": false,
1834     "Giltighetsperiod": {},
1835     "ID": "126",
1836     "Kod": "PE1",
1837     "LarosateID": -1
1838 },
1839 {
1840     "Benamning": {
1841         "sv": "Ryska",
1842         "en": "Russian"
1843     },
1844     "Beskrivning": {},
1845     "Dolt": false,
1846     "Giltighetsperiod": {},
1847     "ID": "136",
1848     "Kod": "RY1",
1849     "LarosateID": -1
1850 },
1851 {
1852     "Benamning": {
1853         "sv": "Rymdteknik",
1854         "en": "Space Technology"
1855     },
1856     "Beskrivning": {},
1857     "Dolt": false,
1858     "Giltighetsperiod": {},
1859     "ID": "137",
1860     "Kod": "RY2",
1861     "LarosateID": -1
1862 },
1863 {
1864     "Benamning": {
1865         "sv": "Samiska",
1866         "en": "Sami Languages"
1867     },
1868     "Beskrivning": {},
1869     "Dolt": false,
1870     "Giltighetsperiod": {},
1871     "ID": "138",
1872     "Kod": "SA1",
1873     "LarosateID": -1
1874 },
1875 {
1876     "Benamning": {
1877         "sv": "\u00d6vrigt inom samh\u00e4llsvetenskap",
1878         "en": "Other Subjects within Social Science"
1879     },

```

```
1880     "Beskrivning": {},
1881     "Dolt": false,
1882     "Giltighetsperiod": {},
1883     "ID": "139",
1884     "Kod": "SA9",
1885     "LarosateID": -1
1886 },
1887 {
1888     "Benamning": {
1889         "sv": "Samh\u00e4llsbyggnadsteknik",
1890         "en": "Civil and Environmental Engineering"
1891     },
1892     "Beskrivning": {},
1893     "Dolt": false,
1894     "Giltighetsperiod": {},
1895     "ID": "140",
1896     "Kod": "SB1",
1897     "LarosateID": -1
1898 },
1899 {
1900     "Benamning": {
1901         "sv": "Samh\u00e4llskunskap",
1902         "en": "Social Studies"
1903     },
1904     "Beskrivning": {},
1905     "Dolt": false,
1906     "Giltighetsperiod": {},
1907     "ID": "141",
1908     "Kod": "SH1",
1909     "LarosateID": -1
1910 },
1911 {
1912     "Benamning": {
1913         "sv": "Sj\u00f6fart",
1914         "en": "Shipping"
1915     },
1916     "Beskrivning": {},
1917     "Dolt": false,
1918     "Giltighetsperiod": {},
1919     "ID": "142",
1920     "Kod": "SJ1",
1921     "LarosateID": -1
1922 },
1923 {
1924     "Benamning": {
1925         "sv": "Skogsvetenskap",
1926         "en": "Forest Science"
1927     },
1928     "Beskrivning": {},
1929     "Dolt": false,
```

```
1930     "Giltighetsperiod": {},
1931     "ID": "143",
1932     "Kod": "SK1",
1933     "LarosateID": -1
1934 },
1935 {
1936     "Benamning": {
1937         "sv": "Scen och medier",
1938         "en": "Performing Arts and Media"
1939     },
1940     "Beskrivning": {},
1941     "Dolt": false,
1942     "Giltighetsperiod": {},
1943     "ID": "144",
1944     "Kod": "SM1",
1945     "LarosateID": -1
1946 },
1947 {
1948     "Benamning": {
1949         "sv": "Swahili",
1950         "en": "Swahili"
1951     },
1952     "Beskrivning": {},
1953     "Dolt": false,
1954     "Giltighetsperiod": {},
1955     "ID": "154",
1956     "Kod": "SW1",
1957     "LarosateID": -1
1958 },
1959 {
1960     "Benamning": {
1961         "sv": "Studie- och yrkesv\u00e4gledning",
1962         "en": "Student and Vocational Counselling"
1963     },
1964     "Beskrivning": {},
1965     "Dolt": false,
1966     "Giltighetsperiod": {},
1967     "ID": "155",
1968     "Kod": "SY1",
1969     "LarosateID": -1
1970 },
1971 {
1972     "Benamning": {
1973         "sv": "Tamil",
1974         "en": "Tamil Language"
1975     },
1976     "Beskrivning": {},
1977     "Dolt": false,
1978     "Giltighetsperiod": {},
1979     "ID": "156",
```

```

1980     "Kod": "TA1",
1981     "LarosateID": -1
1982 },
1983 {
1984     "Benamning": {
1985         "sv": "Teckenspr\u00e5k",
1986         "en": "Sign Language"
1987     },
1988     "Beskrivning": {},
1989     "Dolt": false,
1990     "Giltighetsperiod": {},
1991     "ID": "157",
1992     "Kod": "TE1",
1993     "LarosateID": -1
1994 },
1995 {
1996     "Benamning": {
1997         "sv": "\u00d6vriga tekniska \u00e4mnen",
1998         "en": "Other Subjects within Technology"
1999     },
2000     "Beskrivning": {},
2001     "Dolt": false,
2002     "Giltighetsperiod": {},
2003     "ID": "158",
2004     "Kod": "TE9",
2005     "LarosateID": -1
2006 },
2007 {
2008     "Benamning": {
2009         "sv": "Teknisk fysik",
2010         "en": "Engineering Physics"
2011     },
2012     "Beskrivning": {},
2013     "Dolt": false,
2014     "Giltighetsperiod": {},
2015     "ID": "159",
2016     "Kod": "TF1",
2017     "LarosateID": -1
2018 },
2019 {
2020     "Benamning": {
2021         "sv": "\u00d6vrigt inom teater, film och dans",
2022         "en": "Other Subjects within Performing Arts"
2023     },
2024     "Beskrivning": {},
2025     "Dolt": false,
2026     "Giltighetsperiod": {},
2027     "ID": "160",
2028     "Kod": "TF9",
2029     "LarosateID": -1

```

```

2030     },
2031     {
2032         "Benamning": {
2033             "sv": "Thai",
2034             "en": "Thai"
2035         },
2036         "Beskrivning": {},
2037         "Dolt": false,
2038         "Giltighetsperiod": {},
2039         "ID": "161",
2040         "Kod": "TH1",
2041         "LarosateID": -1
2042     },
2043     {
2044         "Benamning": {
2045             "sv": "Tibetanska",
2046             "en": "Tibetan"
2047         },
2048         "Beskrivning": {},
2049         "Dolt": false,
2050         "Giltighetsperiod": {},
2051         "ID": "162",
2052         "Kod": "TI1",
2053         "LarosateID": -1
2054     },
2055     {
2056         "Benamning": {
2057             "sv": "Tr\u00e4dg\u00e5rdsvetenskap",
2058             "en": "Horticultural Science"
2059         },
2060         "Beskrivning": {},
2061         "Dolt": false,
2062         "Giltighetsperiod": {},
2063         "ID": "172",
2064         "Kod": "TV1",
2065         "LarosateID": -1
2066     },
2067     {
2068         "Benamning": {
2069             "sv": "\u00d6vriga tv\u00e4rvetenskapliga studier",
2070             "en": "Other Interdisciplinary Studies"
2071         },
2072         "Beskrivning": {},
2073         "Dolt": false,
2074         "Giltighetsperiod": {},
2075         "ID": "173",
2076         "Kod": "TV9",
2077         "LarosateID": -1
2078     },
2079     {

```

```

2080     "Benamning": {
2081       "sv": "Textilteknologi",
2082       "en": "Textile Technology"
2083     },
2084     "Beskrivning": {},
2085     "Dolt": false,
2086     "Giltighetsperiod": {},
2087     "ID": "174",
2088     "Kod": "TX1",
2089     "LarosateID": -1
2090   },
2091   {
2092     "Benamning": {
2093       "sv": "Tyska",
2094       "en": "German"
2095     },
2096     "Beskrivning": {},
2097     "Dolt": false,
2098     "Giltighetsperiod": {},
2099     "ID": "175",
2100     "Kod": "TY1",
2101     "LarosateID": -1
2102   },
2103   {
2104     "Benamning": {
2105       "sv": "Ungerska",
2106       "en": "Hungarian"
2107     },
2108     "Beskrivning": {},
2109     "Dolt": false,
2110     "Giltighetsperiod": {},
2111     "ID": "176",
2112     "Kod": "UN1",
2113     "LarosateID": -1
2114   },
2115   {
2116     "Benamning": {
2117       "sv": "Utbildningsvetenskap/didaktik allm\u00e4nt",
2118       "en": "Educational Sciences/General Didactics"
2119     },
2120     "Beskrivning": {},
2121     "Dolt": false,
2122     "Giltighetsperiod": {},
2123     "ID": "177",
2124     "Kod": "UV1",
2125     "LarosateID": -1
2126   },
2127   {
2128     "Benamning": {
2129       "sv": "Utbildningsvetenskap teoretiska \u00e4mnen",

```

```

2130         "en": "Educational Sciences/Theoretical Subjects"
2131     },
2132     "Beskrivning": {},
2133     "Dolt": false,
2134     "Giltighetsperiod": {},
2135     "ID": "178",
2136     "Kod": "UV2",
2137     "LarosateID": -1
2138 },
2139 {
2140     "Benamning": {
2141         "sv": "Utbildningsvetenskap praktisk-estetiska \u00e4mnen",
2142         "en": "Educational Sciences/Practical Subjects"
2143     },
2144     "Beskrivning": {},
2145     "Dolt": false,
2146     "Giltighetsperiod": {},
2147     "ID": "179",
2148     "Kod": "UV3",
2149     "LarosateID": -1
2150 },
2151 {
2152     "Benamning": {
2153         "sv": "Veterin\u00e4rmedicin",
2154         "en": "Veterinary Medicine"
2155     },
2156     "Beskrivning": {},
2157     "Dolt": false,
2158     "Giltighetsperiod": {},
2159     "ID": "180",
2160     "Kod": "VE1",
2161     "LarosateID": -1
2162 },
2163 {
2164     "Benamning": {
2165         "sv": "V\u00e4g- och vattenbyggnad",
2166         "en": "Civil Engineering"
2167     },
2168     "Beskrivning": {},
2169     "Dolt": false,
2170     "Giltighetsperiod": {},
2171     "ID": "181",
2172     "Kod": "VV1",
2173     "LarosateID": -1
2174 }
2175 ]
2176 }

```

## 20.15 studietakt\_JSON

1265a *<LadokSession data methods 95c>+≡*

```
# added by GQMjr
def studietakt_JSON(self):
    """
    Returns study paces.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/studietakt',
        headers=self.headers).json()
    return r
```

Let's add a test. This should return a dictionary.

1265b *<test functions 99b>+≡*

```
def test_studietakt_JSON():
    r = ladok.studietakt_JSON()
    assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```
1 {
2   "Studietakt": [
3     {
4       "Benamning": {
5         "sv": "Tiondelsfart",
6         "en": "One-tenth-time"
7       },
8       "Beskrivning": {},
9       "Dolt": false,
10      "Giltighetsperiod": {},
11      "ID": "8",
12      "Kod": "10",
13      "LarosateID": -1,
14      "Takt": 10
15    },
16    {
17      "Benamning": {
18        "sv": "Helfart",
19        "en": "Full-time"
20      },
21      "Beskrivning": {},
22      "Dolt": false,
23      "Giltighetsperiod": {},
24      "ID": "1",
25      "Kod": "100",
26      "LarosateID": -1,
27      "Takt": 100
28    },
29    {
```



```
30     "Benamning": {
31       "sv": "\u00c5ttondelsfart",
32       "en": "One-eight-time"
33     },
34     "Beskrivning": {},
35     "Dolt": false,
36     "Giltighetsperiod": {},
37     "ID": "128190",
38     "Kod": "12",
39     "LarosateID": -1,
40     "Takt": 12
41   },
42   {
43     "Benamning": {
44       "sv": "Sj\u00e4ttedelsfart",
45       "en": "One-sixth-time"
46     },
47     "Beskrivning": {},
48     "Dolt": false,
49     "Giltighetsperiod": {},
50     "ID": "7",
51     "Kod": "17",
52     "LarosateID": -1,
53     "Takt": 17
54   },
55   {
56     "Benamning": {
57       "sv": "Kvartsfart",
58       "en": "One-quarter-time"
59     },
60     "Beskrivning": {},
61     "Dolt": false,
62     "Giltighetsperiod": {},
63     "ID": "6",
64     "Kod": "25",
65     "LarosateID": -1,
66     "Takt": 25
67   },
68   {
69     "Benamning": {
70       "sv": "Tredjedelsfart",
71       "en": "One-third-time"
72     },
73     "Beskrivning": {},
74     "Dolt": false,
75     "Giltighetsperiod": {},
76     "ID": "5",
77     "Kod": "33",
78     "LarosateID": -1,
79     "Takt": 33
```

```

80     },
81     {
82         "Benamning": {
83             "sv": "Halvfart",
84             "en": "Half-time"
85         },
86         "Beskrivning": {},
87         "Dolt": false,
88         "Giltighetsperiod": {},
89         "ID": "4",
90         "Kod": "50",
91         "LarosateID": -1,
92         "Takt": 50
93     },
94     {
95         "Benamning": {
96             "sv": "Tv\u00e5tredjedelsfart",
97             "en": "Two-thirds-time"
98         },
99         "Beskrivning": {
100             "sv": "\u00c4ndras till \"Tv\u00e5tredjedelsfart\" efter fullbordad produktionss\u00e4ttning."
101         },
102         "Dolt": false,
103         "Giltighetsperiod": {},
104         "ID": "3",
105         "Kod": "67",
106         "LarosateID": -1,
107         "Takt": 67
108     },
109     {
110         "Benamning": {
111             "sv": "Trekvartsfart",
112             "en": "Three-quarters-time"
113         },
114         "Beskrivning": {},
115         "Dolt": false,
116         "Giltighetsperiod": {},
117         "ID": "2",
118         "Kod": "75",
119         "LarosateID": -1,
120         "Takt": 75
121     },
122     {
123         "Benamning": {
124             "sv": "Noll",
125             "en": "- No translation available -"
126         },
127         "Beskrivning": {},
128         "Dolt": false,
129         "Giltighetsperiod": {

```

```
130         "Slutdatum": "2018-06-19"
131     },
132     "ID": "133268",
133     "Kod": "0",
134     "LarosateID": 29,
135     "Takt": 0
136 },
137 {
138     "Benamning": {
139         "sv": "Kvartstid",
140         "en": "One-quarter-time"
141     },
142     "Beskrivning": {},
143     "Dolt": false,
144     "Giltighetsperiod": {
145         "Slutdatum": "2018-06-19"
146     },
147     "ID": "133270",
148     "Kod": "1",
149     "LarosateID": 29,
150     "Takt": 1
151 },
152 {
153     "Benamning": {
154         "sv": "Kvartstid",
155         "en": "One-quarter-time"
156     },
157     "Beskrivning": {},
158     "Dolt": false,
159     "Giltighetsperiod": {
160         "Slutdatum": "2018-06-19"
161     },
162     "ID": "133282",
163     "Kod": "11",
164     "LarosateID": 29,
165     "Takt": 11
166 },
167 {
168     "Benamning": {
169         "sv": "Kvartstid",
170         "en": "One-quarter-time"
171     },
172     "Beskrivning": {},
173     "Dolt": false,
174     "Giltighetsperiod": {
175         "Slutdatum": "2018-06-19"
176     },
177     "ID": "133281",
178     "Kod": "13",
179     "LarosateID": 29,
```

```
180     "Takt": 13
181 },
182 {
183     "Benamning": {
184         "sv": "Kvartstid",
185         "en": "One-quarter-time"
186     },
187     "Beskrivning": {},
188     "Dolt": false,
189     "Giltighetsperiod": {
190         "Slutdatum": "2018-06-19"
191     },
192     "ID": "133278",
193     "Kod": "14",
194     "LarosateID": 29,
195     "Takt": 14
196 },
197 {
198     "Benamning": {
199         "sv": "Kvartstid",
200         "en": "One-quarter-time"
201     },
202     "Beskrivning": {},
203     "Dolt": false,
204     "Giltighetsperiod": {
205         "Slutdatum": "2018-06-19"
206     },
207     "ID": "133283",
208     "Kod": "15",
209     "LarosateID": 29,
210     "Takt": 15
211 },
212 {
213     "Benamning": {
214         "sv": "Kvartstid",
215         "en": "One-quarter-time"
216     },
217     "Beskrivning": {},
218     "Dolt": false,
219     "Giltighetsperiod": {
220         "Slutdatum": "2018-06-19"
221     },
222     "ID": "133280",
223     "Kod": "16",
224     "LarosateID": 29,
225     "Takt": 16
226 },
227 {
228     "Benamning": {
229         "sv": "Kvartstid",
```

```
230         "en": "One-quarter-time"
231     },
232     "Beskrivning": {},
233     "Dolt": false,
234     "Giltighetsperiod": {
235         "Slutdatum": "2018-06-19"
236     },
237     "ID": "133289",
238     "Kod": "18",
239     "LarosateID": 29,
240     "Takt": 18
241 },
242 {
243     "Benamning": {
244         "sv": "Kvartstid",
245         "en": "One-quarter-time"
246     },
247     "Beskrivning": {},
248     "Dolt": false,
249     "Giltighetsperiod": {
250         "Slutdatum": "2018-06-19"
251     },
252     "ID": "133279",
253     "Kod": "19",
254     "LarosateID": 29,
255     "Takt": 19
256 },
257 {
258     "Benamning": {
259         "sv": "Kvartstid",
260         "en": "One-quarter-time"
261     },
262     "Beskrivning": {},
263     "Dolt": false,
264     "Giltighetsperiod": {
265         "Slutdatum": "2018-06-19"
266     },
267     "ID": "133271",
268     "Kod": "2",
269     "LarosateID": 29,
270     "Takt": 2
271 },
272 {
273     "Benamning": {
274         "sv": "Kvartstid",
275         "en": "One-quarter-time"
276     },
277     "Beskrivning": {},
278     "Dolt": false,
279     "Giltighetsperiod": {
```

```
280         "Slutdatum": "2018-06-19"
281     },
282     "ID": "133285",
283     "Kod": "20",
284     "LarosateID": 29,
285     "Takt": 20
286 },
287 {
288     "Benamning": {
289         "sv": "Kvartstid",
290         "en": "One-quarter-time"
291     },
292     "Beskrivning": {},
293     "Dolt": false,
294     "Giltighetsperiod": {
295         "Slutdatum": "2018-06-19"
296     },
297     "ID": "133287",
298     "Kod": "21",
299     "LarosateID": 29,
300     "Takt": 21
301 },
302 {
303     "Benamning": {
304         "sv": "Kvartstid",
305         "en": "One-quarter-time"
306     },
307     "Beskrivning": {},
308     "Dolt": false,
309     "Giltighetsperiod": {
310         "Slutdatum": "2018-06-19"
311     },
312     "ID": "133290",
313     "Kod": "22",
314     "LarosateID": 29,
315     "Takt": 22
316 },
317 {
318     "Benamning": {
319         "sv": "Kvartstid",
320         "en": "One-quarter-time"
321     },
322     "Beskrivning": {},
323     "Dolt": false,
324     "Giltighetsperiod": {
325         "Slutdatum": "2018-06-19"
326     },
327     "ID": "133284",
328     "Kod": "23",
329     "LarosateID": 29,
```

```
330     "Takt": 23
331 },
332 {
333     "Benamning": {
334         "sv": "Kvartstid",
335         "en": "One-quarter-time"
336     },
337     "Beskrivning": {},
338     "Dolt": false,
339     "Giltighetsperiod": {
340         "Slutdatum": "2018-06-19"
341     },
342     "ID": "133286",
343     "Kod": "24",
344     "LarosateID": 29,
345     "Takt": 24
346 },
347 {
348     "Benamning": {
349         "sv": "Kvartstid",
350         "en": "One-quarter-time"
351     },
352     "Beskrivning": {},
353     "Dolt": false,
354     "Giltighetsperiod": {
355         "Slutdatum": "2018-06-19"
356     },
357     "ID": "133288",
358     "Kod": "26",
359     "LarosateID": 29,
360     "Takt": 26
361 },
362 {
363     "Benamning": {
364         "sv": "Kvartstid",
365         "en": "One-quarter-time"
366     },
367     "Beskrivning": {},
368     "Dolt": false,
369     "Giltighetsperiod": {
370         "Slutdatum": "2018-06-19"
371     },
372     "ID": "133291",
373     "Kod": "27",
374     "LarosateID": 29,
375     "Takt": 27
376 },
377 {
378     "Benamning": {
379         "sv": "Kvartstid",
```

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380         "en": "One-quarter-time"
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1175         "en": "One-quarter-time"
1176     },
1177     "Beskrivning": {},
1178     "Dolt": false,
1179     "Giltighetsperiod": {
```

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1180         "Slutdatum": "2018-06-19"
1181     },
1182     "ID": "133275",
1183     "Kod": "8",
1184     "LarosateID": 29,
1185     "Takt": 8
1186 },
1187 {
1188     "Benamning": {
1189         "sv": "N\u00e4stan heltid",
1190         "en": "Almost full-time"
1191     },
1192     "Beskrivning": {},
1193     "Dolt": false,
1194     "Giltighetsperiod": {
1195         "Slutdatum": "2018-06-19"
1196     },
1197     "ID": "133337",
1198     "Kod": "80",
1199     "LarosateID": 29,
1200     "Takt": 80
1201 },
1202 {
1203     "Benamning": {
1204         "sv": "N\u00e4stan heltid",
1205         "en": "Almost full-time"
1206     },
1207     "Beskrivning": {},
1208     "Dolt": false,
1209     "Giltighetsperiod": {
1210         "Slutdatum": "2018-06-19"
1211     },
1212     "ID": "133336",
1213     "Kod": "81",
1214     "LarosateID": 29,
1215     "Takt": 81
1216 },
1217 {
1218     "Benamning": {
1219         "sv": "N\u00e4stan heltid",
1220         "en": "Almost full-time"
1221     },
1222     "Beskrivning": {},
1223     "Dolt": false,
1224     "Giltighetsperiod": {
1225         "Slutdatum": "2018-06-19"
1226     },
1227     "ID": "133340",
1228     "Kod": "82",
1229     "LarosateID": 29,
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1230     "Takt": 82
1231 },
1232 {
1233     "Benamning": {
1234         "sv": "N\u00e4stan heltid",
1235         "en": "Almost full-time"
1236     },
1237     "Beskrivning": {},
1238     "Dolt": false,
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1240         "Slutdatum": "2018-06-19"
1241     },
1242     "ID": "133345",
1243     "Kod": "83",
1244     "LarosateID": 29,
1245     "Takt": 83
1246 },
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1248     "Benamning": {
1249         "sv": "N\u00e4stan heltid",
1250         "en": "Almost full-time"
1251     },
1252     "Beskrivning": {},
1253     "Dolt": false,
1254     "Giltighetsperiod": {
1255         "Slutdatum": "2018-06-19"
1256     },
1257     "ID": "133341",
1258     "Kod": "84",
1259     "LarosateID": 29,
1260     "Takt": 84
1261 },
1262 {
1263     "Benamning": {
1264         "sv": "N\u00e4stan heltid",
1265         "en": "Almost full-time"
1266     },
1267     "Beskrivning": {},
1268     "Dolt": false,
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1270         "Slutdatum": "2018-06-19"
1271     },
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1274     "LarosateID": 29,
1275     "Takt": 85
1276 },
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1278     "Benamning": {
1279         "sv": "N\u00e4stan heltid",
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1280         "en": "Almost full-time"
1281     },
1282     "Beskrivning": {},
1283     "Dolt": false,
1284     "Giltighetsperiod": {
1285         "Slutdatum": "2018-06-19"
1286     },
1287     "ID": "133344",
1288     "Kod": "86",
1289     "LarosateID": 29,
1290     "Takt": 86
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1292 {
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1294         "sv": "N\u00e4stan heltid",
1295         "en": "Almost full-time"
1296     },
1297     "Beskrivning": {},
1298     "Dolt": false,
1299     "Giltighetsperiod": {
1300         "Slutdatum": "2018-06-19"
1301     },
1302     "ID": "133346",
1303     "Kod": "87",
1304     "LarosateID": 29,
1305     "Takt": 87
1306 },
1307 {
1308     "Benamning": {
1309         "sv": "N\u00e4stan heltid",
1310         "en": "Almost full-time"
1311     },
1312     "Beskrivning": {},
1313     "Dolt": false,
1314     "Giltighetsperiod": {
1315         "Slutdatum": "2018-06-19"
1316     },
1317     "ID": "133348",
1318     "Kod": "88",
1319     "LarosateID": 29,
1320     "Takt": 88
1321 },
1322 {
1323     "Benamning": {
1324         "sv": "N\u00e4stan heltid",
1325         "en": "Almost full-time"
1326     },
1327     "Beskrivning": {},
1328     "Dolt": false,
1329     "Giltighetsperiod": {
```

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1330         "Slutdatum": "2018-06-19"
1331     },
1332     "ID": "133349",
1333     "Kod": "89",
1334     "LarosateID": 29,
1335     "Takt": 89
1336 },
1337 {
1338     "Benamning": {
1339         "sv": "Kvartstid",
1340         "en": "One-quarter-time"
1341     },
1342     "Beskrivning": {},
1343     "Dolt": false,
1344     "Giltighetsperiod": {
1345         "Slutdatum": "2018-06-19"
1346     },
1347     "ID": "133273",
1348     "Kod": "9",
1349     "LarosateID": 29,
1350     "Takt": 9
1351 },
1352 {
1353     "Benamning": {
1354         "sv": "N\u00e4stan heltid",
1355         "en": "Almost full-time"
1356     },
1357     "Beskrivning": {},
1358     "Dolt": false,
1359     "Giltighetsperiod": {
1360         "Slutdatum": "2018-06-19"
1361     },
1362     "ID": "133350",
1363     "Kod": "90",
1364     "LarosateID": 29,
1365     "Takt": 90
1366 },
1367 {
1368     "Benamning": {
1369         "sv": "N\u00e4stan heltid",
1370         "en": "Almost full-time"
1371     },
1372     "Beskrivning": {},
1373     "Dolt": false,
1374     "Giltighetsperiod": {
1375         "Slutdatum": "2018-06-19"
1376     },
1377     "ID": "133352",
1378     "Kod": "91",
1379     "LarosateID": 29,
```

```
1380     "Takt": 91
1381 },
1382 {
1383     "Benamning": {
1384         "sv": "N\u00e4stan heltid",
1385         "en": "Almost full-time"
1386     },
1387     "Beskrivning": {},
1388     "Dolt": false,
1389     "Giltighetsperiod": {
1390         "Slutdatum": "2018-06-19"
1391     },
1392     "ID": "133358",
1393     "Kod": "92",
1394     "LarosateID": 29,
1395     "Takt": 92
1396 },
1397 {
1398     "Benamning": {
1399         "sv": "N\u00e4stan heltid",
1400         "en": "Almost full-time"
1401     },
1402     "Beskrivning": {},
1403     "Dolt": false,
1404     "Giltighetsperiod": {
1405         "Slutdatum": "2018-06-19"
1406     },
1407     "ID": "133353",
1408     "Kod": "93",
1409     "LarosateID": 29,
1410     "Takt": 93
1411 },
1412 {
1413     "Benamning": {
1414         "sv": "N\u00e4stan heltid",
1415         "en": "Almost full-time"
1416     },
1417     "Beskrivning": {},
1418     "Dolt": false,
1419     "Giltighetsperiod": {
1420         "Slutdatum": "2018-06-19"
1421     },
1422     "ID": "133354",
1423     "Kod": "94",
1424     "LarosateID": 29,
1425     "Takt": 94
1426 },
1427 {
1428     "Benamning": {
1429         "sv": "N\u00e4stan heltid",
```

```
1430         "en": "Almost full-time"
1431     },
1432     "Beskrivning": {},
1433     "Dolt": false,
1434     "Giltighetsperiod": {
1435         "Slutdatum": "2018-06-19"
1436     },
1437     "ID": "133351",
1438     "Kod": "95",
1439     "LarosateID": 29,
1440     "Takt": 95
1441 },
1442 {
1443     "Benamning": {
1444         "sv": "N\u00e4stan heltid",
1445         "en": "Almost full-time"
1446     },
1447     "Beskrivning": {},
1448     "Dolt": false,
1449     "Giltighetsperiod": {
1450         "Slutdatum": "2018-06-19"
1451     },
1452     "ID": "133355",
1453     "Kod": "96",
1454     "LarosateID": 29,
1455     "Takt": 96
1456 },
1457 {
1458     "Benamning": {
1459         "sv": "N\u00e4stan heltid",
1460         "en": "Almost full-time"
1461     },
1462     "Beskrivning": {},
1463     "Dolt": false,
1464     "Giltighetsperiod": {
1465         "Slutdatum": "2018-06-19"
1466     },
1467     "ID": "133357",
1468     "Kod": "97",
1469     "LarosateID": 29,
1470     "Takt": 97
1471 },
1472 {
1473     "Benamning": {
1474         "sv": "N\u00e4stan heltid",
1475         "en": "Almost full-time"
1476     },
1477     "Beskrivning": {},
1478     "Dolt": false,
1479     "Giltighetsperiod": {
```

```

1480         "Slutdatum": "2018-06-19"
1481     },
1482     "ID": "133356",
1483     "Kod": "98",
1484     "LarosateID": 29,
1485     "Takt": 98
1486 },
1487 {
1488     "Benamning": {
1489         "sv": "N\u00e4stan heltid",
1490         "en": "Almost full-time"
1491     },
1492     "Beskrivning": {},
1493     "Dolt": false,
1494     "Giltighetsperiod": {
1495         "Slutdatum": "2018-06-19"
1496     },
1497     "ID": "133359",
1498     "Kod": "99",
1499     "LarosateID": 29,
1500     "Takt": 99
1501 }
1502 ]
1503 }

```

## 20.16 finansieringsform\_JSON

1295a *<LadokSession data methods 95c>*+≡

```

# added by GQMjr
def finansieringsform_JSON(self):
    """
    Returns forms of financing.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/finansieringsform',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1295b *<test functions 99b>*+≡

```

def test_finansieringsform_JSON():
    r = ladok.finansieringsform_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Finansieringsform": [
3  {

```

```

4      "Benamning": {
5          "sv": "Aspirantutbildning",
6          "en": "Bridging programme for graduates with foreign qualifications"
7      },
8      "Beskrivning": {},
9      "Dolt": true,
10     "Giltighetsperiod": {
11         "Slutdatum": "2016-06-30"
12     },
13     "ID": "102078",
14     "Kod": "A",
15     "LarosateID": -1
16 },
17 {
18     "Benamning": {
19         "sv": "Bas\u00e5rsutbildning",
20         "en": "Foundation year programme"
21     },
22     "Beskrivning": {},
23     "Dolt": false,
24     "Giltighetsperiod": {},
25     "ID": "102085",
26     "Kod": "B",
27     "LarosateID": -1
28 },
29 {
30     "Benamning": {
31         "sv": "Distanskonsortiekurs",
32         "en": "Distance consortium course"
33     },
34     "Beskrivning": {},
35     "Dolt": true,
36     "Giltighetsperiod": {
37         "Slutdatum": "2016-06-30"
38     },
39     "ID": "102080",
40     "Kod": "D",
41     "LarosateID": -1
42 },
43 {
44     "Benamning": {
45         "sv": "Fortbildningskurs f\u00f6r skolpersonal",
46         "en": "Continuing professional development course for teachers"
47     },
48     "Beskrivning": {},
49     "Dolt": true,
50     "Giltighetsperiod": {
51         "Slutdatum": "2016-06-30"
52     },
53     "ID": "102076",

```

```

54     "Kod": "F",
55     "LarosateID": -1
56 },
57 {
58     "Benamning": {
59         "sv": "Flexibla v\u00e4gar in i l\u00e4raryrket",
60         "en": "Flexible roads into the teaching profession"
61     },
62     "Beskrivning": {
63         "sv": "Regeringsuppdrag \u00e5t Ume\u00e5 universitet att leda ett arbete med att ta fram\u00e5ninsatse
64     },
65     "Dolt": true,
66     "Giltighetsperiod": {},
67     "ID": "149937",
68     "Kod": "FVI",
69     "LarosateID": -1
70 },
71 {
72     "Benamning": {
73         "sv": "Kombinationsutbildning",
74         "en": "Combined education"
75     },
76     "Beskrivning": {},
77     "Dolt": true,
78     "Giltighetsperiod": {
79         "Slutdatum": "2016-06-30"
80     },
81     "ID": "102077",
82     "Kod": "KB",
83     "LarosateID": -1
84 },
85 {
86     "Benamning": {
87         "sv": "Finansiering via KK-stiftelsen",
88         "en": "Funded by the Knowledge Foundation"
89     },
90     "Beskrivning": {},
91     "Dolt": true,
92     "Giltighetsperiod": {},
93     "ID": "136090",
94     "Kod": "KK",
95     "LarosateID": -1
96 },
97 {
98     "Benamning": {
99         "sv": "Kompletterande pedagogisk utbildning till grundl\u00e4rar- eller \u00e4mnesl\u00e4rarexamen",
100        "en": "Supplementary pedagogical education aiming to a degree in primary education or a degree in
101    },
102    "Beskrivning": {
103        "sv": "SFS 2021:1336 F\u00f6rs\u00f6ksverksamhet med kompletterande pedagogisk utbildning som leda

```



```

104     },
105     "Dolt": false,
106     "Giltighetsperiod": {},
107     "ID": "153256",
108     "Kod": "KPL",
109     "LarosateID": -1
110 },
111 {
112     "Benamning": {
113         "sv": "Livsl\u00e5ngt l\u00e5rande",
114         "en": "Life long learning"
115     },
116     "Beskrivning": {
117         "sv": "S\u00e4rskild satsning fr.o.m. 2021 enligt l\u00e5ros\u00e4ttens regleringsbrev"
118     },
119     "Dolt": false,
120     "Giltighetsperiod": {
121         "Startdatum": "2021-01-01"
122     },
123     "ID": "151411",
124     "Kod": "LL",
125     "LarosateID": -1
126 },
127 {
128     "Benamning": {
129         "sv": "NT/SVUX-utbildning",
130         "en": "Adult education in science and applied science"
131     },
132     "Beskrivning": {},
133     "Dolt": true,
134     "Giltighetsperiod": {
135         "Slutdatum": "2016-06-30"
136     },
137     "ID": "102075",
138     "Kod": "NT",
139     "LarosateID": -1
140 },
141 {
142     "Benamning": {
143         "sv": "N\u00e4tuniversitetet",
144         "en": "Net university course"
145     },
146     "Beskrivning": {},
147     "Dolt": true,
148     "Giltighetsperiod": {
149         "Slutdatum": "2016-06-30"
150     },
151     "ID": "102079",
152     "Kod": "NU",
153     "LarosateID": -1

```

```

154     },
155     {
156         "Benamning": {
157             "sv": "Ordinarie anslagsfinansiering",
158             "en": "Regular government funding"
159         },
160         "Beskrivning": {},
161         "Dolt": false,
162         "Giltighetsperiod": {},
163         "ID": "101050",
164         "Kod": "ORD",
165         "LarosateID": -1
166     },
167     {
168         "Benamning": {
169             "sv": "Sommarkurs",
170             "en": "Summer course"
171         },
172         "Beskrivning": {},
173         "Dolt": true,
174         "Giltighetsperiod": {},
175         "ID": "102074",
176         "Kod": "S",
177         "LarosateID": -1
178     },
179     {
180         "Benamning": {
181             "sv": "S\u00e4rskild utbildningssatsning 2020",
182             "en": "Special effort on education 2020"
183         },
184         "Beskrivning": {
185             "sv": "S\u00e4rskild satsning p\u00e5 sommarkurser och beh\u00f6righetsgivande utbildning 2020 (Regeringens proposition 2020/21:99)"
186         },
187         "Dolt": true,
188         "Giltighetsperiod": {
189             "Slutdatum": "2021-06-30",
190             "Startdatum": "2020-01-01"
191         },
192         "ID": "150163",
193         "Kod": "S20",
194         "LarosateID": -1
195     },
196     {
197         "Benamning": {
198             "sv": "S\u00e4rskild satsning p\u00e5 sommarkurser 2021",
199             "en": "Special effort on summer courses 2021"
200         },
201         "Beskrivning": {
202             "sv": "S\u00e4rskild satsning p\u00e5 sommarkurser 2021 (Regeringens proposition 2020/21:99)"
203         },

```

```

204     "Dolt": true,
205     "Giltighetsperiod": {
206         "Startdatum": "2021-01-01"
207     },
208     "ID": "151754",
209     "Kod": "S21",
210     "LarosateID": -1
211 },
212 {
213     "Benamning": {
214         "sv": "Sommarkurser inom l\u00e4raromr\u00e5det f\u00f6r examen, beh\u00f6righet och kompetensutveckling",
215         "en": "Sommer courses within the education area aiming to qualification and competence development"
216     },
217     "Beskrivning": {
218         "sv": "Regeringsbeslut U2019/04118/UH. Ers\u00e4tter uppdraget att anordna fler relevanta sommarkurser"
219     },
220     "Dolt": true,
221     "Giltighetsperiod": {
222         "Startdatum": "2020-01-01"
223     },
224     "ID": "154263",
225     "Kod": "SSL",
226     "LarosateID": -1
227 },
228 {
229     "Benamning": {
230         "sv": "Vetenskap utan gr\u00e4nser",
231         "en": "Science without borders"
232     },
233     "Beskrivning": {
234         "sv": "Se regleringsbrev"
235     },
236     "Dolt": true,
237     "Giltighetsperiod": {},
238     "ID": "102083",
239     "Kod": "SWB",
240     "LarosateID": -1
241 },
242 {
243     "Benamning": {
244         "sv": "S\u00e4rskild l\u00e4rarutbildning",
245         "en": "Special education for teachers in vocational subjects"
246     },
247     "Beskrivning": {
248         "sv": "SFS 2005:568 S\u00e4rskild utbildning av l\u00e4rare i yrkes\u00e4mnen"
249     },
250     "Dolt": true,
251     "Giltighetsperiod": {
252         "Slutdatum": "2010-01-01",
253         "Startdatum": "2005-08-01"

```

```

254     },
255     "ID": "102084",
256     "Kod": "S\u00c4L",
257     "LarosateID": -1
258 },
259 {
260     "Benamning": {
261         "sv": "Uppdragsutbildning",
262         "en": "Contract education"
263     },
264     "Beskrivning": {
265         "sv": "Anv\u00e4nds i Ladok f\u00f6r all uppdragsutbildning som inte s\u00e4rskiljs genom annan fi
266     },
267     "Dolt": true,
268     "Giltighetsperiod": {},
269     "ID": "102042",
270     "Kod": "U",
271     "LarosateID": -1
272 },
273 {
274     "Benamning": {
275         "sv": "Kompletterande utbildning f\u00f6r personer med utl\u00e4ndsk examen",
276         "en": "Complementary education for persons with foreign degrees"
277     },
278     "Beskrivning": {
279         "sv": "SFS 2008:1101 H\u00f6gskoleutbildning som kompletterar avslutad utl\u00e4ndsk utbildning"
280     },
281     "Dolt": true,
282     "Giltighetsperiod": {
283         "Startdatum": "2009-01-15"
284     },
285     "ID": "106370",
286     "Kod": "UKU",
287     "LarosateID": -1
288 },
289 {
290     "Benamning": {
291         "sv": "Utlandsutbildade l\u00e4rarens vidareutbildning",
292         "en": "Complementary education for foreign teachers"
293     },
294     "Beskrivning": {
295         "sv": "Best\u00e4lld utbildning fr\u00f6m Stockholms universitet (tidigare L\u00e4rareh\u00f6gskola
296     },
297     "Dolt": true,
298     "Giltighetsperiod": {},
299     "ID": "102081",
300     "Kod": "ULV",
301     "LarosateID": -1
302 },
303 {

```

```

304     "Benamning": {
305         "sv": "Uppdragsutbildning polis",
306         "en": "Contract education - Police education"
307     },
308     "Beskrivning": {},
309     "Dolt": true,
310     "Giltighetsperiod": {},
311     "ID": "143695",
312     "Kod": "UPU",
313     "LarosateID": -1
314 },
315 {
316     "Benamning": {
317         "sv": "Vidareutbildning av obeh\u00f6riga l\u00e4rare",
318         "en": "Complementary education for unqualified teachers"
319     },
320     "Beskrivning": {
321         "sv": "SFS 2011:689"
322     },
323     "Dolt": true,
324     "Giltighetsperiod": {},
325     "ID": "102082",
326     "Kod": "VAL",
327     "LarosateID": -1
328 },
329 {
330     "Benamning": {
331         "sv": "X Anv\u00e4nds ej",
332         "en": "X Anv\u00e4nds ej"
333     },
334     "Beskrivning": {},
335     "Dolt": true,
336     "Giltighetsperiod": {},
337     "ID": "153396",
338     "Kod": "XXX",
339     "LarosateID": -1
340 },
341 {
342     "Benamning": {
343         "sv": "Alumn, med examen fr KTH (ej HST-HPR)",
344         "en": "- No translation available -"
345     },
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356         "en": "Contracted course for external doctoral students"
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427         "en": "EIT-InnoEnergy"
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443         "en": "EJ HST/HPR"
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513     "Beskrivning": {},
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603         "en": "- No translation available -"

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963         "en": "- No translation available -"
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1058     "ID": "131751",
1059     "Kod": "S\u00d6",
1060     "LarosateID": 29
1061 },
1062 {
1063     "Benamning": {
1064         "sv": "Antagna av distanskonsortiet(ej HST-HPR)",
1065         "en": "- No translation available -"
1066     },
1067     "Beskrivning": {},
1068     "Dolt": true,
1069     "Giltighetsperiod": {
1070         "Slutdatum": "2018-06-19"
1071     },
1072     "ID": "131753",
1073     "Kod": "UDI",
1074     "LarosateID": 29
1075 },
1076 {
1077     "Benamning": {
1078         "sv": "Best\u00e4lld utbildning f\u00f6r F\u00f6rsvarsh\u00f6gskolan",
1079         "en": "- No translation available -"
1080     },
1081     "Beskrivning": {},
1082     "Dolt": false,
1083     "Giltighetsperiod": {},
1084     "ID": "131750",
1085     "Kod": "UFH",
1086     "LarosateID": 29
1087 },
1088 {
1089     "Benamning": {
1090         "sv": "Best\u00e4lld utbildning f\u00f6r Handelsh\u00f6gskolan",
1091         "en": "- No translation available -"
1092     },
1093     "Beskrivning": {},
1094     "Dolt": true,
1095     "Giltighetsperiod": {
1096         "Slutdatum": "2018-06-19"
1097     },
1098     "ID": "131752",
1099     "Kod": "UHH",
1100     "LarosateID": 29
1101 },
1102 {
1103     "Benamning": {
```

```

1104         "sv": "Uppdr.utb. Karolinska inst (ej HST-HPR)",
1105         "en": "- No translation available -"
1106     },
1107     "Beskrivning": {},
1108     "Dolt": true,
1109     "Giltighetsperiod": {
1110         "Slutdatum": "2018-06-19"
1111     },
1112     "ID": "131757",
1113     "Kod": "UKI",
1114     "LarosateID": 29
1115 },
1116 {
1117     "Benamning": {
1118         "sv": "Uppdr.utb. L\u00e4nsarbetsn\u00e4mnden (ej HST-HPR)",
1119         "en": "- No translation available -"
1120     },
1121     "Beskrivning": {},
1122     "Dolt": true,
1123     "Giltighetsperiod": {
1124         "Slutdatum": "2018-06-19"
1125     },
1126     "ID": "131756",
1127     "Kod": "ULA",
1128     "LarosateID": 29
1129 },
1130 {
1131     "Benamning": {
1132         "sv": "Uppdragsutbildning (ej HST-HPR)",
1133         "en": "- No translation available -"
1134     },
1135     "Beskrivning": {},
1136     "Dolt": false,
1137     "Giltighetsperiod": {
1138         "Startdatum": "2018-06-19"
1139     },
1140     "ID": "131758",
1141     "Kod": "UPP",
1142     "LarosateID": 29
1143 },
1144 {
1145     "Benamning": {
1146         "sv": "Uppdragsutbildning Skolverket (ej HST-HPR)",
1147         "en": "Contract Education, Skolverket"
1148     },
1149     "Beskrivning": {
1150         "sv": "Ny kod 2022\nF\u00f6rordningen 2007:223 avser \u201dUppdragsutbildning f\u00f6r fortbildning",
1151     },
1152     "Dolt": false,
1153     "Giltighetsperiod": {

```

```

1154         "Startdatum": "2018-01-01"
1155     },
1156     "ID": "153550",
1157     "Kod": "UPS",
1158     "LarosateID": 29
1159 },
1160 {
1161     "Benamning": {
1162         "sv": "Uppdr.utb. S\u00f6dert\u00f6rn (ej HST-HPR)",
1163         "en": "- No translation available -"
1164     },
1165     "Beskrivning": {},
1166     "Dolt": true,
1167     "Giltighetsperiod": {
1168         "Slutdatum": "2018-06-19"
1169     },
1170     "ID": "131755",
1171     "Kod": "US0",
1172     "LarosateID": 29
1173 },
1174 {
1175     "Benamning": {
1176         "sv": "Uppdr.utb. SU-UU (ej HST-HPR)",
1177         "en": "- No translation available -"
1178     },
1179     "Beskrivning": {},
1180     "Dolt": true,
1181     "Giltighetsperiod": {
1182         "Slutdatum": "2018-06-19"
1183     },
1184     "ID": "131767",
1185     "Kod": "USU",
1186     "LarosateID": 29
1187 },
1188 {
1189     "Benamning": {
1190         "sv": "Visby, tekniskt bas\u00e5r",
1191         "en": "- No translation available -"
1192     },
1193     "Beskrivning": {},
1194     "Dolt": true,
1195     "Giltighetsperiod": {
1196         "Slutdatum": "2018-06-19"
1197     },
1198     "ID": "131754",
1199     "Kod": "UVB",
1200     "LarosateID": 29
1201 },
1202 {
1203     "Benamning": {

```

```
1204     "sv": "Visby",
1205     "en": "- No translation available -"
1206 },
1207 "Beskrivning": {},
1208 "Dolt": true,
1209 "Giltighetsperiod": {
1210     "Slutdatum": "2018-06-19"
1211 },
1212 "ID": "131760",
1213 "Kod": "UVI",
1214 "LarosateID": 29
1215 },
1216 {
1217     "Benamning": {
1218         "sv": "Visby, NT-SVUX",
1219         "en": "- No translation available -"
1220     },
1221     "Beskrivning": {},
1222     "Dolt": true,
1223     "Giltighetsperiod": {
1224         "Slutdatum": "2018-06-19"
1225     },
1226     "ID": "131759",
1227     "Kod": "UVN",
1228     "LarosateID": 29
1229 },
1230 {
1231     "Benamning": {
1232         "sv": "Visby, tekniskt bas\u00e5r NT-SVUX",
1233         "en": "- No translation available -"
1234     },
1235     "Beskrivning": {},
1236     "Dolt": true,
1237     "Giltighetsperiod": {
1238         "Slutdatum": "2018-06-19"
1239     },
1240     "ID": "131761",
1241     "Kod": "UVT",
1242     "LarosateID": 29
1243 },
1244 {
1245     "Benamning": {
1246         "sv": "Uppdr.utb. Visby, UPP (ej HST-HPR)",
1247         "en": "- No translation available -"
1248     },
1249     "Beskrivning": {},
1250     "Dolt": true,
1251     "Giltighetsperiod": {
1252         "Slutdatum": "2018-06-19"
1253     },
1254 }
```

```

1254     "ID": "131762",
1255     "Kod": "UVU",
1256     "LarosateID": 29
1257 },
1258 {
1259     "Benamning": {
1260         "sv": "Visby, fortbildning och vidareutbildning",
1261         "en": "- No translation available -"
1262     },
1263     "Beskrivning": {},
1264     "Dolt": true,
1265     "Giltighetsperiod": {
1266         "Slutdatum": "2018-06-19"
1267     },
1268     "ID": "131768",
1269     "Kod": "UVV",
1270     "LarosateID": 29
1271 },
1272 {
1273     "Benamning": {
1274         "sv": "Visby, resultat i GOTDOK (ej HST-HPR)",
1275         "en": "- No translation available -"
1276     },
1277     "Beskrivning": {},
1278     "Dolt": true,
1279     "Giltighetsperiod": {
1280         "Slutdatum": "2018-06-19"
1281     },
1282     "ID": "131763",
1283     "Kod": "UVX",
1284     "LarosateID": 29
1285 },
1286 {
1287     "Benamning": {
1288         "sv": "Kurs ers\u00e4tter en avvecklad kurs (EJ HST)",
1289         "en": "Kurs ers\u00e4tter en avvecklad kurs (EJ HST)"
1290     },
1291     "Beskrivning": {
1292         "sv": "Fin.form anv\u00e4nds f\u00f6r den ers\u00e4ttande kursens kurstillf\u00e4llen, d\u00e4r st
1293     },
1294     "Dolt": false,
1295     "Giltighetsperiod": {
1296         "Startdatum": "2021-07-01"
1297     },
1298     "ID": "152681",
1299     "Kod": "XER",
1300     "LarosateID": 29
1301 },
1302 {
1303     "Benamning": {

```



```

1304         "sv": "Examensarbete frist\u00e5endekurs",
1305         "en": "- No translation available -"
1306     },
1307     "Beskrivning": {},
1308     "Dolt": true,
1309     "Giltighetsperiod": {},
1310     "ID": "131766",
1311     "Kod": "XEX",
1312     "LarosateID": 29
1313 },
1314 {
1315     "Benamning": {
1316         "sv": "Ex.arb 12 p forts\u00e4tter till 20 p",
1317         "en": "- No translation available -"
1318     },
1319     "Beskrivning": {},
1320     "Dolt": true,
1321     "Giltighetsperiod": {
1322         "Slutdatum": "2018-06-19"
1323     },
1324     "ID": "131764",
1325     "Kod": "XII",
1326     "LarosateID": 29
1327 },
1328 {
1329     "Benamning": {
1330         "sv": "\u00d6verbryggande kurs (ej HST-HPR)",
1331         "en": "- No translation available -"
1332     },
1333     "Beskrivning": {},
1334     "Dolt": true,
1335     "Giltighetsperiod": {},
1336     "ID": "131765",
1337     "Kod": "\u00d6B",
1338     "LarosateID": 29
1339 },
1340 {
1341     "Benamning": {
1342         "sv": "\u00d6verbryggande n\u00e4tkurs (ej HST-HPR)",
1343         "en": "- No translation available -"
1344     },
1345     "Beskrivning": {},
1346     "Dolt": true,
1347     "Giltighetsperiod": {},
1348     "ID": "131769",
1349     "Kod": "\u00d6N\u00c4",
1350     "LarosateID": 29
1351 },
1352 {
1353     "Benamning": {

```

```

1354         "sv": "F\u00f6rberedandekurs SFINX stud.(ej HST-HPR)",
1355         "en": "- No translation available -"
1356     },
1357     "Beskrivning": {},
1358     "Dolt": true,
1359     "Giltighetsperiod": {},
1360     "ID": "131770",
1361     "Kod": "\u00d6SF",
1362     "LarosateID": 29
1363 }
1364 ]
1365 }

```

## 20.17 utbildningsomrade\_JSON

1323a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def utbildningsomrade_JSON(self):
    """
    Returns subject areas.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/utbildningsomrade',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1323b *<test functions 99b>+≡*

```

def test_utbildningsomrade_JSON():
    r = ladok.utbildningsomrade_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Utbildningsomrade": [
3      {
4          "Benamning": {
5              "sv": "Dansomr\u00e5det",
6              "en": "Dance"
7          },
8          "Beskrivning": {
9              "sv": "Inf\u00f6rdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
10         },
11         "Dolt": true,
12         "Giltighetsperiod": {
13             "Startdatum": "1994-07-01"
14         },
15         "ID": "1",

```

```
16     "Kod": "DA",
17     "LarosateID": -1
18 },
19 {
20     "Benamning": {
21         "sv": "Farmaceutiska omr\u00e5det",
22         "en": "Pharmacy"
23     },
24     "Beskrivning": {},
25     "Dolt": true,
26     "Giltighetsperiod": {
27         "Startdatum": "1993-07-01"
28     },
29     "ID": "3",
30     "Kod": "FA",
31     "LarosateID": -1
32 },
33 {
34     "Benamning": {
35         "sv": "Humanistiska omr\u00e5det",
36         "en": "Humanities"
37     },
38     "Beskrivning": {},
39     "Dolt": false,
40     "Giltighetsperiod": {
41         "Startdatum": "1993-07-01"
42     },
43     "ID": "4",
44     "Kod": "HU",
45     "LarosateID": -1
46 },
47 {
48     "Benamning": {
49         "sv": "Idrottsliga omr\u00e5det",
50         "en": "Sports"
51     },
52     "Beskrivning": {},
53     "Dolt": true,
54     "Giltighetsperiod": {
55         "Startdatum": "1993-07-01"
56     },
57     "ID": "5",
58     "Kod": "ID",
59     "LarosateID": -1
60 },
61 {
62     "Benamning": {
63         "sv": "Konstomr\u00e5det",
64         "en": "Fine arts"
65     },
66 }
```

```

66     "Beskrivning": {
67       "sv": "Inf\u00f6rdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
68     },
69     "Dolt": true,
70     "Giltighetsperiod": {
71       "Startdatum": "1994-07-01"
72     },
73     "ID": "7",
74     "Kod": "KO",
75     "LarosateID": -1
76   },
77   {
78     "Benamning": {
79       "sv": "Undervisningsomr\u00e5det",
80       "en": "Education"
81     },
82     "Beskrivning": {
83       "sv": "Avser utbildning inom det allm\u00e4nna utbildningsomr\u00e5det och den utbildningsvetenska
84     },
85     "Dolt": false,
86     "Giltighetsperiod": {
87       "Startdatum": "1993-07-01"
88     },
89     "ID": "9",
90     "Kod": "LU",
91     "LarosateID": -1
92   },
93   {
94     "Benamning": {
95       "sv": "Mediaomr\u00e5det",
96       "en": "Media"
97     },
98     "Beskrivning": {
99       "sv": "Inf\u00f6rdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
100    },
101    "Dolt": false,
102    "Giltighetsperiod": {
103      "Startdatum": "1994-07-01"
104    },
105    "ID": "11",
106    "Kod": "MM",
107    "LarosateID": -1
108  },
109  {
110    "Benamning": {
111      "sv": "Naturvetenskapliga omr\u00e5det",
112      "en": "Natural sciences"
113    },
114    "Beskrivning": {},
115    "Dolt": false,

```

```
116     "Giltighetsperiod": {
117         "Startdatum": "1993-07-01"
118     },
119     "ID": "13",
120     "Kod": "NA",
121     "LarosateID": -1
122 },
123 {
124     "Benamning": {
125         "sv": "Operaomr\u00e5det",
126         "en": "Opera"
127     },
128     "Beskrivning": {
129         "sv": "Inf\u00f6rdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
130     },
131     "Dolt": true,
132     "Giltighetsperiod": {
133         "Startdatum": "1994-07-01"
134     },
135     "ID": "15",
136     "Kod": "OP",
137     "LarosateID": -1
138 },
139 {
140     "Benamning": {
141         "sv": "Teateromr\u00e5det",
142         "en": "Theatre"
143     },
144     "Beskrivning": {
145         "sv": "Inf\u00f6rdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
146     },
147     "Dolt": true,
148     "Giltighetsperiod": {
149         "Startdatum": "1994-07-01"
150     },
151     "ID": "18",
152     "Kod": "TA",
153     "LarosateID": -1
154 },
155 {
156     "Benamning": {
157         "sv": "Teologiska omr\u00e5det",
158         "en": "Theology"
159     },
160     "Beskrivning": {},
161     "Dolt": true,
162     "Giltighetsperiod": {
163         "Startdatum": "1993-07-01"
164     },
165     "ID": "20",
```

```

166     "Kod": "TL",
167     "LarosateID": -1
168 },
169 {
170     "Benamning": {
171         "sv": "V\u00e5rdomr\u00e5det",
172         "en": "Health care"
173     },
174     "Beskrivning": {},
175     "Dolt": true,
176     "Giltighetsperiod": {
177         "Startdatum": "1993-07-01"
178     },
179     "ID": "22",
180     "Kod": "V\u00c5",
181     "LarosateID": -1
182 },
183 {
184     "Benamning": {
185         "sv": "\u00d6vriga omr\u00e5den",
186         "en": "Other fields"
187     },
188     "Beskrivning": {
189         "sv": "Avser journalist- och bibliotekarieutbildningar samt praktiska och estetiska kurser inom LV
190     },
191     "Dolt": false,
192     "Giltighetsperiod": {
193         "Startdatum": "1993-07-01"
194     },
195     "ID": "24",
196     "Kod": "\u00d6V",
197     "LarosateID": -1
198 },
199 {
200     "Benamning": {
201         "sv": "Designomr\u00e5det",
202         "en": "Design"
203     },
204     "Beskrivning": {
205         "sv": "Inf\u006frdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
206     },
207     "Dolt": false,
208     "Giltighetsperiod": {
209         "Startdatum": "1994-07-01"
210     },
211     "ID": "2",
212     "Kod": "DE",
213     "LarosateID": -1
214 },
215 {

```

```

216     "Benamning": {
217         "sv": "Juridiska omr\u00e5det",
218         "en": "Law"
219     },
220     "Beskrivning": {},
221     "Dolt": false,
222     "Giltighetsperiod": {
223         "Startdatum": "1993-07-01"
224     },
225     "ID": "6",
226     "Kod": "JU",
227     "LarosateID": -1
228 },
229 {
230     "Benamning": {
231         "sv": "Medicinska omr\u00e5det",
232         "en": "Medicine"
233     },
234     "Beskrivning": {},
235     "Dolt": false,
236     "Giltighetsperiod": {
237         "Startdatum": "1993-07-01"
238     },
239     "ID": "10",
240     "Kod": "ME",
241     "LarosateID": -1
242 },
243 {
244     "Benamning": {
245         "sv": "Musikomr\u00e5det",
246         "en": "Music"
247     },
248     "Beskrivning": {
249         "sv": "Inf\u00f6rdes fr\u00e5n budget\u00e5ret 1994/95. Tidigare fanns bara ett konstn\u00e4rsligt
250     },
251     "Dolt": false,
252     "Giltighetsperiod": {
253         "Startdatum": "1994-07-01"
254     },
255     "ID": "12",
256     "Kod": "MU",
257     "LarosateID": -1
258 },
259 {
260     "Benamning": {
261         "sv": "Odontologiska omr\u00e5det",
262         "en": "Dentistry"
263     },
264     "Beskrivning": {},
265     "Dolt": true,

```

```

266     "Giltighetsperiod": {
267         "Startdatum": "1993-07-01"
268     },
269     "ID": "14",
270     "Kod": "OD",
271     "LarosateID": -1
272 },
273 {
274     "Benamning": {
275         "sv": "Samh\u00e4llsvetenskapliga omr\u00e5det",
276         "en": "Social sciences"
277     },
278     "Beskrivning": {},
279     "Dolt": false,
280     "Giltighetsperiod": {
281         "Startdatum": "1993-07-01"
282     },
283     "ID": "16",
284     "Kod": "SA",
285     "LarosateID": -1
286 },
287 {
288     "Benamning": {
289         "sv": "Tekniska omr\u00e5det",
290         "en": "Technology"
291     },
292     "Beskrivning": {},
293     "Dolt": false,
294     "Giltighetsperiod": {
295         "Startdatum": "1993-07-01"
296     },
297     "ID": "19",
298     "Kod": "TE",
299     "LarosateID": -1
300 },
301 {
302     "Benamning": {
303         "sv": "Verksamhetsf\u00f6rlagd utbildning",
304         "en": "Placement"
305     },
306     "Beskrivning": {
307         "sv": "Avser verksamhetsf\u00f6rlagd utbildning inom l\u00e4rar- och f\u00f6rskoll\u00e4rarutbildning",
308     },
309     "Dolt": false,
310     "Giltighetsperiod": {
311         "Startdatum": "2013-01-01"
312     },
313     "ID": "25",
314     "Kod": "VU",
315     "LarosateID": -1

```



```

316     },
317     {
318         "Benamning": {
319             "sv": "Information saknas",
320             "en": "Information missing"
321         },
322         "Beskrivning": {},
323         "Dolt": true,
324         "Giltighetsperiod": {},
325         "ID": "23",
326         "Kod": "XX",
327         "LarosateID": -1
328     }
329 ]
330 }

```

## 20.18 kravpatidigarestudier\_JSON

1330a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def kravpatidigarestudier_JSON(self):
    """
    Returns requirements for earlier studies.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/kravpatidigarestudier',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1330b *<test functions 99b>+≡*

```

def test_kravpatidigarestudier_JSON():
    r = ladok.kravpatidigarestudier_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "KravPaTidigareStudier": [
3  {
4  "Benamning": {
5  "sv": "Tidigare h\u00f6gskolestudier kr\u00e4vs",
6  "en": "University studies required"
7  },
8  "Beskrivning": {},
9  "Dolt": false,
10 "Emilvarde": "uh",
11 "Giltighetsperiod": {},
12 "ID": "1",

```

```

13     "Kod": "UH",
14     "LarosateID": -1
15 },
16 {
17     "Benamning": {
18         "sv": "Inga tidigare h\u00f6gskolestudier kr\u00e4vs",
19         "en": "Upper secondary or equivalent"
20     },
21     "Beskrivning": {},
22     "Dolt": false,
23     "Emilvarde": "grundläggande",
24     "Giltighetsperiod": {},
25     "ID": "2",
26     "Kod": "GR",
27     "LarosateID": -1
28 },
29 {
30     "Benamning": {
31         "sv": "Ingen grundl\u00e4ggande beh\u00f6righet kr\u00e4vs",
32         "en": "No general entry requirements needed"
33     },
34     "Beskrivning": {},
35     "Dolt": false,
36     "Emilvarde": "inga",
37     "Giltighetsperiod": {},
38     "ID": "3",
39     "Kod": "IN",
40     "LarosateID": -1
41 }
42 ]
43 }

```

## 20.19 studieordning\_JSON

```

1331a <LadokSession data methods 95c>+≡
# added by GQMjr
def studieordning_JSON(self):
    """
    Returns study regulations.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/studieordning',
        headers=self.headers).json()
    return r

    Let's add a test. This should return a dictionary.
1331b <test functions 99b>+≡
def test_studieordning_JSON():
    r = ladok.studieordning_JSON()

```

```
assert type(r) == dict
```

This code is used in chunk 94.

The output looks like this:

```

1 {
2   "Studieordning": [
3     {
4       "Benamning": {
5         "sv": "H\u00f6gskoleutbildning, 1993 \u00e5rs studieordning",
6         "en": "Higher education, study regulation of 1993"
7       },
8       "Beskrivning": {
9         "sv": "Avser i Ladok 1993 \u00e5rs studieordning inklusive dess f\u00f6reg\u00e5ngare"
10      },
11      "Dolt": false,
12      "EnhetID": 9,
13      "Giltighetsperiod": {},
14      "ID": "2",
15      "Kod": "H\u00d693",
16      "LarosateID": -1,
17      "UtbildningsformID": 1
18    },
19    {
20      "Benamning": {
21        "sv": "H\u00f6gskoleutbildning, 2007 \u00e5rs studieordning",
22        "en": "Higher education, study regulation of 2007"
23      },
24      "Beskrivning": {},
25      "Dolt": false,
26      "EnhetID": 2,
27      "Giltighetsperiod": {
28        "Startdatum": "2007-07-01"
29      },
30      "ID": "1",
31      "Kod": "H\u00d607",
32      "LarosateID": -1,
33      "UtbildningsformID": 1
34    },
35    {
36      "Benamning": {
37        "sv": "Beh\u00f6righetsgivande f\u00f6rutbildning (timmar)",
38        "en": "Access education (hours)"
39      },
40      "Beskrivning": {},
41      "Dolt": false,
42      "EnhetID": 5,
43      "Giltighetsperiod": {},
44      "ID": "12",
45      "Kod": "\u00d6VBT",
46      "LarosateID": -1,

```

```

47     "UtbildningsformID": 100970
48 },
49 {
50     "Benamning": {
51         "sv": "Beh\u00f6righetsgivande f\u00f6rutbildning (po\u00e4ng)",
52         "en": "Access education (fup)"
53     },
54     "Beskrivning": {
55         "sv": "Utbildning enligt f\u00f6rordning (2018:1519) om beh\u00f6righetsgivande och h\u00f6gskolei
56     },
57     "Dolt": false,
58     "EnhetID": 4,
59     "Giltighetsperiod": {},
60     "ID": "3",
61     "Kod": "F\u00d6P0",
62     "LarosateID": -1,
63     "UtbildningsformID": 2
64 },
65 {
66     "Benamning": {
67         "sv": "Beh\u00f6righetsgivande f\u00f6rutbildning (veckor)",
68         "en": "Access education (weeks)"
69     },
70     "Beskrivning": {
71         "sv": "Utbildning enligt f\u00f6rordning (2018:1519) om beh\u00f6righetsgivande och h\u00f6gskolei
72     },
73     "Dolt": false,
74     "EnhetID": 1,
75     "Giltighetsperiod": {},
76     "ID": "4",
77     "Kod": "F\u00d6VE",
78     "LarosateID": -1,
79     "UtbildningsformID": 2
80 },
81 {
82     "Benamning": {
83         "sv": "H\u00f6gskoleintern utbildning (ORU)",
84         "en": "Internal education (ORU)"
85     },
86     "Beskrivning": {
87         "sv": "Intern utbildning vid \u00d6rebro universitet"
88     },
89     "Dolt": false,
90     "EnhetID": 6,
91     "Giltighetsperiod": {
92         "Slutdatum": "2007-06-30",
93         "Startdatum": "2004-01-01"
94     },
95     "ID": "15",
96     "Kod": "\u00d6VHI",

```

```

97     "LarosateID": -1,
98     "UtbildningsformID": 100970
99 },
100 {
101     "Benamning": {
102         "sv": "\u00c4ldre utbildning vid F\u00f6rsvarsh\u00f6gskolan",
103         "en": "Older defence education"
104     },
105     "Beskrivning": {
106         "sv": "Utbildning enligt f\u00f6rordningen (1996:1476) med instruktion f\u00f6r F\u00f6rsvarsh\u00f6gskolan",
107     },
108     "Dolt": false,
109     "EnhetID": 10,
110     "Giltighetsperiod": {
111         "Slutdatum": "2007-12-31"
112     },
113     "ID": "16",
114     "Kod": "\u00d6VFU",
115     "LarosateID": -1,
116     "UtbildningsformID": 100970
117 },
118 {
119     "Benamning": {
120         "sv": "Kvalificerad yrkesutbildning",
121         "en": "Post-secondary vocational education and training"
122     },
123     "Beskrivning": {
124         "sv": "Utbildning enligt f\u00f6rordningen (2001:1131) om kvalificerad yrkesutbildning (upph\u00e4vs 2013-12-31)",
125     },
126     "Dolt": false,
127     "EnhetID": 7,
128     "Giltighetsperiod": {
129         "Slutdatum": "2013-12-31"
130     },
131     "ID": "13",
132     "Kod": "KY02",
133     "LarosateID": -1,
134     "UtbildningsformID": 100968
135 },
136 {
137     "Benamning": {
138         "sv": "Preparandutbildning",
139         "en": "Preparatory education"
140     },
141     "Beskrivning": {
142         "sv": "Utbildning enligt f\u00f6rordningen (1985:681) om preparandutbildning i svenska (upph\u00e4vs 2013-12-31)",
143     },
144     "Dolt": false,
145     "EnhetID": 6,
146     "Giltighetsperiod": {

```

```

147         "Slutdatum": "1993-06-30"
148     },
149     "ID": "14",
150     "Kod": "\u00d6VPR",
151     "LarosateID": -1,
152     "UtbildningsformID": 100970
153 },
154 {
155     "Benamning": {
156         "sv": "Uppdragsutbildning, \u00d6vrig utbildning (timmar)",
157         "en": "Contract education (hours)"
158     },
159     "Beskrivning": {},
160     "Dolt": false,
161     "EnhetID": 5,
162     "Giltighetsperiod": {
163         "Slutdatum": "2018-12-31"
164     },
165     "ID": "9",
166     "Kod": "\u00d6VUT",
167     "LarosateID": -1,
168     "UtbildningsformID": 100970
169 },
170 {
171     "Benamning": {
172         "sv": "Yrkesh\u00f6gskoleutbildning",
173         "en": "Higher vocational education"
174     },
175     "Beskrivning": {
176         "sv": "Utbildning enligt f\u00f6rordning (2009:130) om yrkesh\u00f6gskolan"
177     },
178     "Dolt": false,
179     "EnhetID": 8,
180     "Giltighetsperiod": {
181         "Startdatum": "2009-07-01"
182     },
183     "ID": "5",
184     "Kod": "YH09",
185     "LarosateID": -1,
186     "UtbildningsformID": 4
187 },
188 {
189     "Benamning": {
190         "sv": "Uppdragsutbildning (h\u00f6gskolepo\u00e4ng)",
191         "en": "Contract education (credits)"
192     },
193     "Beskrivning": {},
194     "Dolt": false,
195     "EnhetID": 2,
196     "Giltighetsperiod": {

```

```

197         "Startdatum": "2007-07-01"
198     },
199     "ID": "17",
200     "Kod": "UPHP",
201     "LarosateID": -1,
202     "UtbildningsformID": 100928
203 },
204 {
205     "Benamning": {
206         "sv": "Uppdragsutbildning (veckor)",
207         "en": "Contract education (weeks)"
208     },
209     "Beskrivning": {},
210     "Dolt": false,
211     "EnhetID": 1,
212     "Giltighetsperiod": {},
213     "ID": "18",
214     "Kod": "UPVE",
215     "LarosateID": -1,
216     "UtbildningsformID": 100928
217 },
218 {
219     "Benamning": {
220         "sv": "Polisutbildning",
221         "en": "Police education"
222     },
223     "Beskrivning": {
224         "sv": "Polisutbildning som ej uppfyller alla kvalitetskrav f\u00f6r h\u00f6gskoleutbildning."
225     },
226     "Dolt": false,
227     "EnhetID": 2,
228     "Giltighetsperiod": {},
229     "ID": "109831",
230     "Kod": "PU99",
231     "LarosateID": -1,
232     "UtbildningsformID": 100969
233 },
234 {
235     "Benamning": {
236         "sv": "Polisutbildning, motsvarande h\u00f6gskoleutbildning",
237         "en": "Police education, equal to Higher education"
238     },
239     "Beskrivning": {
240         "sv": "Polisutbildning som uppfyller kvalitetskraven f\u00f6r h\u00f6gskoleutbildning"
241     },
242     "Dolt": false,
243     "EnhetID": 2,
244     "Giltighetsperiod": {
245         "Startdatum": "2018-07-01"
246     },

```

```

247     "ID": "135370",
248     "Kod": "PU18",
249     "LarosateID": -1,
250     "UtbildningsformID": 100969
251 },
252 {
253     "Benamning": {
254         "sv": "\u00d6-Fel",
255         "en": "\u00d6-Fel"
256     },
257     "Beskrivning": {},
258     "Dolt": false,
259     "EnhetID": 1,
260     "Giltighetsperiod": {
261         "Slutdatum": "1900-01-01"
262     },
263     "ID": "138710",
264     "Kod": "FEL",
265     "LarosateID": -1,
266     "UtbildningsformID": 100970
267 },
268 {
269     "Benamning": {
270         "sv": "Uppdragsutbildning (timmar)",
271         "en": "Contract education (hours)"
272     },
273     "Beskrivning": {},
274     "Dolt": false,
275     "EnhetID": 5,
276     "Giltighetsperiod": {
277         "Startdatum": "2019-01-01"
278     },
279     "ID": "147898",
280     "Kod": "UPTI",
281     "LarosateID": -1,
282     "UtbildningsformID": 100928
283 },
284 {
285     "Benamning": {
286         "sv": "Samverkansutbildning",
287         "en": "Collaborative education"
288     },
289     "Beskrivning": {
290         "sv": "Utbildning som bedrivs i samverkan mellan h\u00f6gskola och folkh\u00f6gskola."
291     },
292     "Dolt": false,
293     "EnhetID": 1,
294     "Giltighetsperiod": {},
295     "ID": "161480",
296     "Kod": "PISU",

```



```

297         "LarosateID": -1,
298         "UtbildningsformID": 161479
299     }
300 ]
301 }

```

## 20.20 enhet\_JSON

1338a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def enhet_JSON(self):
    """
    Returns credit units.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/grunddata/enhet',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1338b *<test functions 99b>+≡*

```

def test_enhet_JSON():
    r = ladok.enhet_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2      "Enhet": [
3          {
4              "Benamning": {
5                  "sv": "Po\u00e4ng (\u00d6vrig utbildning)",
6                  "en": "Credit points"
7              },
8              "Beskrivning": {},
9              "Dolt": false,
10             "Giltighetsperiod": {
11                 "Slutdatum": "2018-01-01"
12             },
13             "Helarsvarde": 40,
14             "ID": "6",
15             "Kod": "AUP",
16             "LarosateID": -1
17         },
18         {
19             "Benamning": {
20                 "sv": "F\u00f6rutbildningspo\u00e4ng",
21                 "en": "Pre-education credits"
22             },
23             "Beskrivning": {},

```

```

24     "Dolt": false,
25     "Giltighetsperiod": {},
26     "Helarsvarde": 60,
27     "ID": "4",
28     "Kod": "FUP",
29     "LarosateID": -1
30 },
31 {
32     "Benamning": {
33         "sv": "H\u00f6gskolepo\u00e4ng",
34         "en": "Credits"
35     },
36     "Beskrivning": {
37         "sv": "\u00d6versattes 2007-2010 med Higher education credits"
38     },
39     "Dolt": false,
40     "Giltighetsperiod": {
41         "Startdatum": "2007-07-01"
42     },
43     "Helarsvarde": 60,
44     "ID": "2",
45     "Kod": "HP",
46     "LarosateID": -1
47 },
48 {
49     "Benamning": {
50         "sv": "Konverterade h\u00f6gskolepo\u00e4ng",
51         "en": "Converted credits"
52     },
53     "Beskrivning": {
54         "sv": "Enheten po\u00e4ng konverterades till h\u00f6gskolepo\u00e4ng i Ladok f\u00f6r 1993 \u00e5r"
55     },
56     "Dolt": false,
57     "Giltighetsperiod": {
58         "Slutdatum": "2007-06-30"
59     },
60     "Helarsvarde": 60,
61     "ID": "9",
62     "Kod": "HP-K",
63     "LarosateID": -1
64 },
65 {
66     "Benamning": {
67         "sv": "Interna po\u00e4ng",
68         "en": "Internal credits"
69     },
70     "Beskrivning": {
71         "sv": "Har enbart anv\u00e4nts av F\u00f6rsvarets h\u00f6gskola"
72     },
73     "Dolt": false,

```

```

74     "Giltighetsperiod": {
75         "Slutdatum": "2016-07-01"
76     },
77     "Helarsvarde": 60,
78     "ID": "10",
79     "Kod": "IP",
80     "LarosateID": -1
81 },
82 {
83     "Benamning": {
84         "sv": "KY-po\u00e4ng",
85         "en": "KY credits"
86     },
87     "Beskrivning": {},
88     "Dolt": false,
89     "Giltighetsperiod": {
90         "Slutdatum": "2013-12-31",
91         "Startdatum": "2002-01-01"
92     },
93     "Helarsvarde": 40,
94     "ID": "7",
95     "Kod": "KYP",
96     "LarosateID": -1
97 },
98 {
99     "Benamning": {
100         "sv": "Timmar",
101         "en": "Hours"
102     },
103     "Beskrivning": {},
104     "Dolt": false,
105     "Giltighetsperiod": {},
106     "Helarsvarde": 1600,
107     "ID": "5",
108     "Kod": "T",
109     "LarosateID": -1
110 },
111 {
112     "Benamning": {
113         "sv": "Veckor",
114         "en": "Weeks"
115     },
116     "Beskrivning": {},
117     "Dolt": false,
118     "Giltighetsperiod": {},
119     "Helarsvarde": 40,
120     "ID": "1",
121     "Kod": "V",
122     "LarosateID": -1
123 },

```

```

124     {
125         "Benamning": {
126             "sv": "Yrkesh\u00f6gskolepo\u00e4ng",
127             "en": "HVE credits"
128         },
129         "Beskrivning": {},
130         "Dolt": false,
131         "Giltighetsperiod": {
132             "Startdatum": "2009-07-01"
133         },
134         "Helarsvarde": 200,
135         "ID": "8",
136         "Kod": "YHP",
137         "LarosateID": -1
138     }
139 ]
140 }

```

## 20.21 studielokalisering\_JSON

1341a *<LadokSession data methods 95c>+≡*  
 # added by GQMjr  
 def studielokalisering\_JSON(self):  
 """  
 Returns study locations.  
 """  
 r = self.session.get(  
 url=self.base\_gui\_proxy\_url +  
 '/kataloginformation/internal/grunddata/studielokalisering',  
 headers=self.headers).json()  
 return r

Let's add a test. This should return a dictionary.

1341b *<test functions 99b>+≡*  
 def test\_studielokalisering\_JSON():  
 r = ladok.studielokalisering\_JSON()  
 assert type(r) == dict

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Studielokalisering": [
3      {
4          "Benamning": {
5              "sv": "S\u00f6dert\u00e4lje",
6              "en": "S\u00f6dert\u00e4lje"
7          },
8          "Beskrivning": {},
9          "Dolt": true,
10         "Giltighetsperiod": {

```

```
11         "Slutdatum": "2019-01-14",
12         "Startdatum": "1987-01-01"
13     },
14     "ID": "131771",
15     "Kod": "0181",
16     "LarosateID": 29,
17     "OrtID": 20
18 },
19 {
20     "Benamning": {
21         "sv": "Norrt\u00e4lje",
22         "en": "Norrt\u00e4lje"
23     },
24     "Beskrivning": {},
25     "Dolt": true,
26     "Giltighetsperiod": {
27         "Slutdatum": "2005-06-30",
28         "Startdatum": "1997-08-01"
29     },
30     "ID": "131776",
31     "Kod": "0188",
32     "LarosateID": 29,
33     "OrtID": 28
34 },
35 {
36     "Benamning": {
37         "sv": "\u00d6rebro",
38         "en": "\u00d6rebro"
39     },
40     "Beskrivning": {},
41     "Dolt": true,
42     "Giltighetsperiod": {
43         "Slutdatum": "1998-06-30",
44         "Startdatum": "1996-08-01"
45     },
46     "ID": "131786",
47     "Kod": "1880",
48     "LarosateID": 29,
49     "OrtID": 237
50 },
51 {
52     "Benamning": {
53         "sv": "V\u00e4ster\u00e5s",
54         "en": "V\u00e4ster\u00e5s"
55     },
56     "Beskrivning": {},
57     "Dolt": true,
58     "Giltighetsperiod": {
59         "Slutdatum": "1999-12-31",
60         "Startdatum": "1994-08-01"
```

```
61     },
62     "ID": "131783",
63     "Kod": "1980",
64     "LarosateID": 29,
65     "OrtID": 248
66 },
67 {
68     "Benamning": {
69         "sv": "Falun",
70         "en": "Falun"
71     },
72     "Beskrivning": {},
73     "Dolt": true,
74     "Giltighetsperiod": {
75         "Slutdatum": "1998-12-31",
76         "Startdatum": "1994-08-01"
77     },
78     "ID": "131787",
79     "Kod": "2080",
80     "LarosateID": 29,
81     "OrtID": 263
82 },
83 {
84     "Benamning": {
85         "sv": "G\u00e4vle",
86         "en": "G\u00e4vle"
87     },
88     "Beskrivning": {},
89     "Dolt": true,
90     "Giltighetsperiod": {
91         "Slutdatum": "1998-12-31",
92         "Startdatum": "1997-08-01"
93     },
94     "ID": "131784",
95     "Kod": "2180",
96     "LarosateID": 29,
97     "OrtID": 273
98 },
99 {
100     "Benamning": {
101         "sv": "AlbaNova",
102         "en": "AlbaNova"
103     },
104     "Beskrivning": {},
105     "Dolt": false,
106     "Giltighetsperiod": {
107         "Startdatum": "2018-06-20"
108     },
109     "ID": "135190",
110     "Kod": "ALBANOVA",
```

```
111     "LarosateID": 29,
112     "OrtID": 18
113 },
114 {
115     "Benamning": {
116         "sv": "\u00c5re",
117         "en": "\u00c5re"
118     },
119     "Beskrivning": {},
120     "Dolt": false,
121     "Giltighetsperiod": {
122         "Startdatum": "2024-01-13"
123     },
124     "ID": "157819",
125     "Kod": "ARE",
126     "LarosateID": 29,
127     "OrtID": 290
128 },
129 {
130     "Benamning": {
131         "sv": "Kiruna",
132         "en": "Kiruna"
133     },
134     "Beskrivning": {},
135     "Dolt": false,
136     "Giltighetsperiod": {
137         "Startdatum": "2024-01-13"
138     },
139     "ID": "157822",
140     "Kod": "KIRUNA",
141     "LarosateID": 29,
142     "OrtID": 326
143 },
144 {
145     "Benamning": {
146         "sv": "KTH Kista",
147         "en": "KTH Kista"
148     },
149     "Beskrivning": {
150         "sv": "\"Campus\" Kista"
151     },
152     "Dolt": false,
153     "Giltighetsperiod": {
154         "Startdatum": "2018-06-20"
155     },
156     "ID": "135194",
157     "Kod": "KISTA",
158     "LarosateID": 29,
159     "OrtID": 18
160 },
```

```
161     {
162         "Benamning": {
163             "sv": "Ludvika",
164             "en": "Ludvika"
165         },
166         "Beskrivning": {},
167         "Dolt": false,
168         "Giltighetsperiod": {
169             "Startdatum": "2024-01-13"
170         },
171         "ID": "157824",
172         "Kod": "LUDVIKA",
173         "LarosateID": 29,
174         "OrtID": 267
175     },
176     {
177         "Benamning": {
178             "sv": "Norrt\u00e4lje",
179             "en": "Norrt\u00e4lje"
180         },
181         "Beskrivning": {
182             "sv": "L\u00e4rcentrum, Tekniskt bas\u00e5r"
183         },
184         "Dolt": false,
185         "Giltighetsperiod": {
186             "Startdatum": "2025-02-18"
187         },
188         "ID": "161536",
189         "Kod": "NORRTAN",
190         "LarosateID": 29,
191         "OrtID": 28
192     },
193     {
194         "Benamning": {
195             "sv": "Pajala",
196             "en": "Pajala"
197         },
198         "Beskrivning": {},
199         "Dolt": false,
200         "Giltighetsperiod": {
201             "Startdatum": "2024-01-13"
202         },
203         "ID": "157823",
204         "Kod": "PAJALA",
205         "LarosateID": 29,
206         "OrtID": 319
207     },
208     {
209         "Benamning": {
210             "sv": "KTH Solna",
```



```

211         "en": "KTH Solna"
212     },
213     "Beskrivning": {
214         "sv": "SciLife Labs, Solna",
215         "en": "SciLife Labs, Solna"
216     },
217     "Dolt": false,
218     "Giltighetsperiod": {
219         "Startdatum": "2018-06-18"
220     },
221     "ID": "135610",
222     "Kod": "SCILIFELAB",
223     "LarosateID": 29,
224     "OrtID": 25
225 },
226 {
227     "Benamning": {
228         "sv": "Stockholms universitet",
229         "en": "Stockholm University"
230     },
231     "Beskrivning": {},
232     "Dolt": false,
233     "Giltighetsperiod": {
234         "Startdatum": "2018-06-20"
235     },
236     "ID": "135197",
237     "Kod": "SU",
238     "LarosateID": 29,
239     "OrtID": 18
240 },
241 {
242     "Benamning": {
243         "sv": "S\u00f6dert\u00e4lje",
244         "en": "S\u00f6dert\u00e4lje"
245     },
246     "Beskrivning": {
247         "sv": "L\u00e4rcentrum, Teknisk bas\u00e5r"
248     },
249     "Dolt": false,
250     "Giltighetsperiod": {
251         "Startdatum": "2025-02-18"
252     },
253     "ID": "161537",
254     "Kod": "TALJE",
255     "LarosateID": 29,
256     "OrtID": 20
257 },
258 {
259     "Benamning": {
260         "sv": "J\u00e4rf\u00e4lla",

```

```
261     "en": "J\u00e4rf\u00e4lla"
262 },
263 "Beskrivning": {},
264 "Dolt": true,
265 "Giltighetsperiod": {
266     "Slutdatum": "1996-06-30",
267     "Startdatum": "1994-08-01"
268 },
269 "ID": "131775",
270 "Kod": "0123",
271 "LarosateID": 29,
272 "OrtID": 5
273 },
274 {
275     "Benamning": {
276         "sv": "Huddinge",
277         "en": "Huddinge"
278     },
279     "Beskrivning": {},
280     "Dolt": true,
281     "Giltighetsperiod": {
282         "Slutdatum": "2019-01-14",
283         "Startdatum": "2002-01-01"
284     },
285     "ID": "131779",
286     "Kod": "0126",
287     "LarosateID": 29,
288     "OrtID": 109830
289 },
290 {
291     "Benamning": {
292         "sv": "Botkyrka",
293         "en": "Botkyrka"
294     },
295     "Beskrivning": {},
296     "Dolt": true,
297     "Giltighetsperiod": {
298         "Slutdatum": "1997-12-31",
299         "Startdatum": "1997-08-01"
300     },
301     "ID": "131772",
302     "Kod": "0127",
303     "LarosateID": 29,
304     "OrtID": 110990
305 },
306 {
307     "Benamning": {
308         "sv": "Haninge",
309         "en": "Haninge"
310     },
```

```
311     "Beskrivning": {},
312     "Dolt": true,
313     "Giltighetsperiod": {
314         "Slutdatum": "2016-06-30",
315         "Startdatum": "1994-08-01"
316     },
317     "ID": "131773",
318     "Kod": "0136",
319     "LarosateID": 29,
320     "OrtID": 110991
321 },
322 {
323     "Benamning": {
324         "sv": "T\u00e4by",
325         "en": "T\u00e4by"
326     },
327     "Beskrivning": {},
328     "Dolt": true,
329     "Giltighetsperiod": {
330         "Slutdatum": "1999-12-31",
331         "Startdatum": "1900-01-01"
332     },
333     "ID": "131774",
334     "Kod": "0160",
335     "LarosateID": 29,
336     "OrtID": 14
337 },
338 {
339     "Benamning": {
340         "sv": "Stockholm",
341         "en": "Stockholm"
342     },
343     "Beskrivning": {},
344     "Dolt": true,
345     "Giltighetsperiod": {
346         "Slutdatum": "2019-01-14",
347         "Startdatum": "1917-10-19"
348     },
349     "ID": "131778",
350     "Kod": "0180",
351     "LarosateID": 29,
352     "OrtID": 18
353 },
354 {
355     "Benamning": {
356         "sv": "Handelsh\u00f6gskolan",
357         "en": "Stockholm School of Economics"
358     },
359     "Beskrivning": {},
360     "Dolt": false,
```

```
361     "Giltighetsperiod": {
362         "Startdatum": "2018-06-20"
363     },
364     "ID": "135191",
365     "Kod": "HANDELS",
366     "LarosateID": 29,
367     "OrtID": 18
368 },
369 {
370     "Benamning": {
371         "sv": "Jokkmokk",
372         "en": "Jokkmokk"
373     },
374     "Beskrivning": {},
375     "Dolt": false,
376     "Giltighetsperiod": {
377         "Startdatum": "2024-01-13"
378     },
379     "ID": "157821",
380     "Kod": "JOKKMOKK",
381     "LarosateID": 29,
382     "OrtID": 315
383 },
384 {
385     "Benamning": {
386         "sv": "Nyk\u00f6ping",
387         "en": "Nyk\u00f6ping"
388     },
389     "Beskrivning": {},
390     "Dolt": false,
391     "Giltighetsperiod": {
392         "Startdatum": "2024-01-13"
393     },
394     "ID": "157827",
395     "Kod": "NYKOPING",
396     "LarosateID": 29,
397     "OrtID": 44
398 },
399 {
400     "Benamning": {
401         "sv": "Nyn\u00e4shamn",
402         "en": "Nyn\u00e4shamn"
403     },
404     "Beskrivning": {
405         "sv": "Fr\u00e5n HT26, L\u00e4rcentrum Tekniskt bas\u00e5r"
406     },
407     "Dolt": false,
408     "Giltighetsperiod": {
409         "Startdatum": "2024-01-13"
410     },
411 }
```

```
411     "ID": "157818",
412     "Kod": "NYNASHAMN",
413     "LarosateID": 29,
414     "OrtID": 32
415 },
416 {
417     "Benamning": {
418         "sv": "\u00d6rns\u00f6ldsvik",
419         "en": "\u00d6rns\u00f6ldsvik"
420     },
421     "Beskrivning": {},
422     "Dolt": false,
423     "Giltighetsperiod": {
424         "Startdatum": "2024-01-13"
425     },
426     "ID": "157828",
427     "Kod": "ORNSKOLDSVI",
428     "LarosateID": 29,
429     "OrtID": 284
430 },
431 {
432     "Benamning": {
433         "sv": "Oskarshamn",
434         "en": "Oskarshamn"
435     },
436     "Beskrivning": {},
437     "Dolt": false,
438     "Giltighetsperiod": {
439         "Startdatum": "2024-01-13"
440     },
441     "ID": "157826",
442     "Kod": "OSKARSHAMN",
443     "LarosateID": 29,
444     "OrtID": 103
445 },
446 {
447     "Benamning": {
448         "sv": "Smedjebacken",
449         "en": "Smedjebacken"
450     },
451     "Beskrivning": {},
452     "Dolt": false,
453     "Giltighetsperiod": {
454         "Startdatum": "2024-01-13"
455     },
456     "ID": "157825",
457     "Kod": "SMEDJEBACK",
458     "LarosateID": 29,
459     "OrtID": 260
460 },
```

```

461     {
462         "Benamning": {
463             "sv": "KTH S\u00f6dert\u00e4lje",
464             "en": "KTH S\u00f6dert\u00e4lje"
465         },
466         "Beskrivning": {
467             "sv": "\"Campus\" S\u00f6dert\u00e4lje"
468         },
469         "Dolt": false,
470         "Giltighetsperiod": {
471             "Startdatum": "2018-06-20"
472         },
473         "ID": "135196",
474         "Kod": "SODERTALJE",
475         "LarosateID": 29,
476         "OrtID": 20
477     },
478     {
479         "Benamning": {
480             "sv": "Visby",
481             "en": "Visby"
482         },
483         "Beskrivning": {},
484         "Dolt": true,
485         "Giltighetsperiod": {
486             "Slutdatum": "2000-12-31",
487             "Startdatum": "1991-08-01"
488         },
489         "ID": "131781",
490         "Kod": "0980",
491         "LarosateID": 29,
492         "OrtID": 108
493     },
494     {
495         "Benamning": {
496             "sv": "\u00c4ngelholm",
497             "en": "\u00c4ngelholm"
498         },
499         "Beskrivning": {},
500         "Dolt": true,
501         "Giltighetsperiod": {
502             "Slutdatum": "1997-12-31",
503             "Startdatum": "1997-12-31"
504         },
505         "ID": "131782",
506         "Kod": "1292",
507         "LarosateID": 29,
508         "OrtID": 154
509     },
510     {

```

```
511     "Benamning": {
512         "sv": "Nyk\u00f6ping",
513         "en": "Nyk\u00f6ping"
514     },
515     "Beskrivning": {},
516     "Dolt": true,
517     "Giltighetsperiod": {
518         "Slutdatum": "2005-06-30",
519         "Startdatum": "2005-01-01"
520     },
521     "ID": "131777",
522     "Kod": "0480",
523     "LarosateID": 29,
524     "OrtID": 44
525 },
526 {
527     "Benamning": {
528         "sv": "Valdemarsvik",
529         "en": "Valdemarsvik"
530     },
531     "Beskrivning": {},
532     "Dolt": true,
533     "Giltighetsperiod": {
534         "Slutdatum": "1999-12-31",
535         "Startdatum": "1900-01-01"
536     },
537     "ID": "131780",
538     "Kod": "0563",
539     "LarosateID": 29,
540     "OrtID": 60
541 },
542 {
543     "Benamning": {
544         "sv": "Sundsvall",
545         "en": "Sundsvall"
546     },
547     "Beskrivning": {},
548     "Dolt": true,
549     "Giltighetsperiod": {
550         "Slutdatum": "1997-12-31",
551         "Startdatum": "1996-08-01"
552     },
553     "ID": "131785",
554     "Kod": "2281",
555     "LarosateID": 29,
556     "OrtID": 281
557 },
558 {
559     "Benamning": {
560         "sv": "\u00d6rns\u00f6ldsvik",
```

```
561         "en": "\u00d6rnsk\u00f6ldsvik"
562     },
563     "Beskrivning": {},
564     "Dolt": true,
565     "Giltighetsperiod": {
566         "Slutdatum": "1997-12-31",
567         "Startdatum": "1997-01-01"
568     },
569     "ID": "131788",
570     "Kod": "2284",
571     "LarosateID": 29,
572     "OrtID": 284
573 },
574 {
575     "Benamning": {
576         "sv": "KTH Flemingsberg",
577         "en": "KTH Flemingsberg"
578     },
579     "Beskrivning": {
580         "sv": "\"campus\" Flemingsberg"
581     },
582     "Dolt": false,
583     "Giltighetsperiod": {
584         "Startdatum": "2018-06-20"
585     },
586     "ID": "135198",
587     "Kod": "FLEMINGSB",
588     "LarosateID": 29,
589     "OrtID": 7
590 },
591 {
592     "Benamning": {
593         "sv": "G\u00e4llivare",
594         "en": "G\u00e4llivare"
595     },
596     "Beskrivning": {},
597     "Dolt": false,
598     "Giltighetsperiod": {
599         "Startdatum": "2024-01-13"
600     },
601     "ID": "157820",
602     "Kod": "GALLIVARE",
603     "LarosateID": 29,
604     "OrtID": 320
605 },
606 {
607     "Benamning": {
608         "sv": "KI Flemingsberg",
609         "en": "KI Flemingsberg"
610     },
```



```

611     "Beskrivning": {},
612     "Dolt": false,
613     "Giltighetsperiod": {
614         "Startdatum": "2018-06-20"
615     },
616     "ID": "135192",
617     "Kod": "KI_FLEMINGS",
618     "LarosateID": 29,
619     "OrtID": 7
620 },
621 {
622     "Benamning": {
623         "sv": "KI Solna",
624         "en": "KI Solna"
625     },
626     "Beskrivning": {},
627     "Dolt": false,
628     "Giltighetsperiod": {
629         "Startdatum": "2018-06-20"
630     },
631     "ID": "135193",
632     "Kod": "KI_SOLNA",
633     "LarosateID": 29,
634     "OrtID": 25
635 },
636 {
637     "Benamning": {
638         "sv": "Konstfack",
639         "en": "University of Arts, Crafts and Design"
640     },
641     "Beskrivning": {},
642     "Dolt": false,
643     "Giltighetsperiod": {
644         "Startdatum": "2018-08-27"
645     },
646     "ID": "147750",
647     "Kod": "KONSTFACK",
648     "LarosateID": 29,
649     "OrtID": 18
650 },
651 {
652     "Benamning": {
653         "sv": "KTH Campus",
654         "en": "KTH Campus"
655     },
656     "Beskrivning": {
657         "sv": "\"Campus\" Valhallav\u00e4gen"
658     },
659     "Dolt": false,
660     "Giltighetsperiod": {

```

```

661         "Startdatum": "2018-06-20"
662     },
663     "ID": "135195",
664     "Kod": "KTHCAMPUS",
665     "LarosateID": 29,
666     "OrtID": 18
667 }
668 ]
669 }

```

## 20.22 antagningsomgang\_JSON

1355a *<LadokSession data methods 95c>+≡*

```

# added by GQMjr
def antagningsomgang_JSON(self):
    """
    Returns the admission round.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/antagningsomgang',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1355b *<test functions 99b>+≡*

```

def test_antagningsomgang_JSON():
    r = ladok.antagningsomgang_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2      "Antagningsomgang": [
3          {
4              "Benamning": {
5                  "sv": "Antagning till kurs inom program KTH VT2019",
6                  "en": "Application to courses within programme at KTH VT2019"
7              },
8              "Beskrivning": {},
9              "Dolt": true,
10             "Giltighetsperiod": {},
11             "ID": "142134",
12             "Kod": "29AKPVT19",
13             "LarosateID": 29,
14             "SistaAnmalningsdag": "2018-11-15",
15             "SistaAnnonseringsdag": "2019-02-28",
16             "Studieavgiftsbelagd": true
17         },
18     ]

```

```

19     "Benamning": {
20         "sv": "Antagning till kurs inom program KTH VT2020",
21         "en": "Application to courses within programme at KTH VT2020"
22     },
23     "Beskrivning": {},
24     "Dolt": true,
25     "Giltighetsperiod": {},
26     "ID": "149508",
27     "Kod": "29AKPVT20",
28     "LarosateID": 29,
29     "SistaAnmalningsdag": "2019-11-15",
30     "SistaAnnonseringsdag": "2019-12-31",
31     "Studieavgiftsbelagd": true
32 },
33 {
34     "Benamning": {
35         "sv": "Anm\u00e4lan till kurs inom program VT2023",
36         "en": "Application to courses within programme spring term 2023"
37     },
38     "Beskrivning": {},
39     "Dolt": true,
40     "Giltighetsperiod": {},
41     "ID": "154230",
42     "Kod": "29AKPVT23",
43     "LarosateID": 29,
44     "SistaAnmalningsdag": "2022-11-15",
45     "SistaAnnonseringsdag": "2023-04-30",
46     "Studieavgiftsbelagd": true
47 },
48 {
49     "Benamning": {
50         "sv": "Anm\u00e4lan till kurs inom program VT2024",
51         "en": "Application to courses within programme spring term 2024"
52     },
53     "Beskrivning": {},
54     "Dolt": false,
55     "Giltighetsperiod": {},
56     "ID": "156506",
57     "Kod": "29AKPVT24",
58     "LarosateID": 29,
59     "SistaAnmalningsdag": "2023-11-15",
60     "SistaAnnonseringsdag": "2024-05-15",
61     "Studieavgiftsbelagd": true
62 },
63 {
64     "Benamning": {
65         "sv": "H\u00f6stterminen 2023",
66         "en": "Autumn Semester 2023"
67     },
68     "Beskrivning": {},

```

```
69     "Dolt": false,
70     "Giltighetsperiod": {},
71     "ID": "154250",
72     "Kod": "HT2023",
73     "LarosateID": 29,
74     "SistaAnmalningsdag": "2023-04-17",
75     "SistaAnnonseringsdag": "2023-01-09",
76     "Studieavgiftsbelagd": true
77 },
78 {
79     "Benamning": {
80         "sv": "H\u00f6stterminen 2024",
81         "en": "Autumn Semester 2024"
82     },
83     "Beskrivning": {},
84     "Dolt": false,
85     "Giltighetsperiod": {},
86     "ID": "157807",
87     "Kod": "HT2024",
88     "LarosateID": 29,
89     "SistaAnmalningsdag": "2024-04-15",
90     "SistaAnnonseringsdag": "2025-01-09",
91     "Studieavgiftsbelagd": true
92 },
93 {
94     "Benamning": {
95         "sv": "Sommarterminen 2025",
96         "en": "Summer Session 2025"
97     },
98     "Beskrivning": {},
99     "Dolt": false,
100     "Giltighetsperiod": {},
101     "ID": "161290",
102     "Kod": "ST2025",
103     "LarosateID": 29,
104     "SistaAnmalningsdag": "2025-03-17",
105     "SistaAnnonseringsdag": "2025-08-19",
106     "Studieavgiftsbelagd": true
107 },
108 {
109     "Benamning": {
110         "sv": "Sommarterminen 2026",
111         "en": "Summer Session 2026"
112     },
113     "Beskrivning": {},
114     "Dolt": false,
115     "Giltighetsperiod": {},
116     "ID": "161942",
117     "Kod": "ST2026",
118     "LarosateID": 29,
```

```
119     "SistaAnmalningsdag": "2026-03-16",
120     "SistaAnnonseringsdag": "2025-08-19",
121     "Studieavgiftsbelagd": true
122 },
123 {
124     "Benamning": {
125         "sv": "Anm\u00e4lan till kurs inom program HT2022",
126         "en": "Application to courses within programme HT2022"
127     },
128     "Beskrivning": {},
129     "Dolt": true,
130     "Giltighetsperiod": {},
131     "ID": "153586",
132     "Kod": "29AKPHT22",
133     "LarosateID": 29,
134     "SistaAnmalningsdag": "2022-05-16",
135     "SistaAnnonseringsdag": "2022-05-16",
136     "Studieavgiftsbelagd": true
137 },
138 {
139     "Benamning": {
140         "sv": "Anm\u00e4lan till kurs inom program HT2023",
141         "en": "Application to courses within programme autumn term 2023"
142     },
143     "Beskrivning": {},
144     "Dolt": true,
145     "Giltighetsperiod": {},
146     "ID": "155258",
147     "Kod": "29AKPHT23",
148     "LarosateID": 29,
149     "SistaAnmalningsdag": "2023-05-15",
150     "SistaAnnonseringsdag": "2023-05-15",
151     "Studieavgiftsbelagd": true
152 },
153 {
154     "Benamning": {
155         "sv": "Internationella masterprogram h\u00f6stterminen 2025",
156         "en": "International Master's Programmes Autumn Semester 2025"
157     },
158     "Beskrivning": {},
159     "Dolt": false,
160     "Giltighetsperiod": {},
161     "ID": "160052",
162     "Kod": "MASTERHT25",
163     "LarosateID": 29,
164     "SistaAnmalningsdag": "2025-01-15",
165     "SistaAnnonseringsdag": "2025-05-15",
166     "Studieavgiftsbelagd": true
167 },
168 {
```

```

169     "Benamning": {
170       "sv": "Internationella kurser och program h\u00f6stterminen 2025",
171       "en": "International Courses and Programmes Autumn Semester 2025"
172     },
173     "Beskrivning": {},
174     "Dolt": false,
175     "Giltighetsperiod": {},
176     "ID": "161941",
177     "Kod": "MASTERHT26",
178     "LarosateID": 29,
179     "SistaAnmalningsdag": "2026-01-15",
180     "SistaAnnonseringsdag": "2026-05-15",
181     "Studieavgiftsbelagd": true
182   },
183   {
184     "Benamning": {
185       "sv": "V\u00e5rterminen 2023",
186       "en": "Spring Semester 2023"
187     },
188     "Beskrivning": {},
189     "Dolt": true,
190     "Giltighetsperiod": {},
191     "ID": "154117",
192     "Kod": "VT2023",
193     "LarosateID": 29,
194     "SistaAnmalningsdag": "2022-10-17",
195     "SistaAnnonseringsdag": "2023-06-09",
196     "Studieavgiftsbelagd": true
197   },
198   {
199     "Benamning": {
200       "sv": "V\u00e5rterminen 2024",
201       "en": "Spring Semester 2024"
202     },
203     "Beskrivning": {},
204     "Dolt": false,
205     "Giltighetsperiod": {},
206     "ID": "156324",
207     "Kod": "VT2024",
208     "LarosateID": 29,
209     "SistaAnmalningsdag": "2023-10-16",
210     "SistaAnnonseringsdag": "2024-06-09",
211     "Studieavgiftsbelagd": true
212   },
213   {
214     "Benamning": {
215       "sv": "Anm\u00f6lan till kurs inom program p\u00f6 KTH HT2018",
216       "en": "Anm\u00f6lan till kurs inom program p\u00f6 KTH HT2018"
217     },
218     "Beskrivning": {},

```

```

219     "Dolt": true,
220     "Giltighetsperiod": {},
221     "ID": "135279",
222     "Kod": "29AKPHT18",
223     "LarosateID": 29,
224     "SistaAnmalningsdag": "2018-05-15",
225     "SistaAnnonseringsdag": "2019-05-15",
226     "Studieavgiftsbelagd": true
227 },
228 {
229     "Benamning": {
230         "sv": "Anm\u00e4lan till kurs inom program p\u00e5 KTH HT2019",
231         "en": "Application to courses within programme at KTH HT2019"
232     },
233     "Beskrivning": {},
234     "Dolt": true,
235     "Giltighetsperiod": {},
236     "ID": "148458",
237     "Kod": "29AKPHT19",
238     "LarosateID": 29,
239     "SistaAnmalningsdag": "2019-05-15",
240     "SistaAnnonseringsdag": "2020-05-15",
241     "Studieavgiftsbelagd": true
242 },
243 {
244     "Benamning": {
245         "sv": "Anm\u00e4lan till kurs inom program p\u00e5 KTH HT2020",
246         "en": "Application to courses within programme at KTH HT2020"
247     },
248     "Beskrivning": {},
249     "Dolt": true,
250     "Giltighetsperiod": {},
251     "ID": "150233",
252     "Kod": "29AKPHT20",
253     "LarosateID": 29,
254     "SistaAnmalningsdag": "2020-05-15",
255     "SistaAnnonseringsdag": "2021-05-15",
256     "Studieavgiftsbelagd": true
257 },
258 {
259     "Benamning": {
260         "sv": "Anm\u00e4lan till kurs inom program HT2021",
261         "en": "Application to courses within programme HT2021"
262     },
263     "Beskrivning": {},
264     "Dolt": true,
265     "Giltighetsperiod": {},
266     "ID": "151634",
267     "Kod": "29AKPHT21",
268     "LarosateID": 29,

```

```
269     "SistaAnmalningsdag": "2021-05-17",
270     "SistaAnnonseringsdag": "2021-05-17",
271     "Studieavgiftsbelagd": true
272 },
273 {
274     "Benamning": {
275         "sv": "Anm\u00e4lan till kurs inom program HT2024",
276         "en": "Application to courses within programme autumn term 2024"
277     },
278     "Beskrivning": {},
279     "Dolt": false,
280     "Giltighetsperiod": {},
281     "ID": "159238",
282     "Kod": "29AKPHT24",
283     "LarosateID": 29,
284     "SistaAnmalningsdag": "2024-05-15",
285     "SistaAnnonseringsdag": "2024-05-15",
286     "Studieavgiftsbelagd": true
287 },
288 {
289     "Benamning": {
290         "sv": "Anm\u00e4lan till kurs inom program HT2025",
291         "en": "Application to courses within programme autumn term 2025"
292     },
293     "Beskrivning": {},
294     "Dolt": false,
295     "Giltighetsperiod": {},
296     "ID": "161940",
297     "Kod": "29AKPHT25",
298     "LarosateID": 29,
299     "SistaAnmalningsdag": "2025-05-15",
300     "SistaAnnonseringsdag": "2025-05-15",
301     "Studieavgiftsbelagd": true
302 },
303 {
304     "Benamning": {
305         "sv": "Antagning till kurs inom program VT2021",
306         "en": "Application to courses within programme VT2021"
307     },
308     "Beskrivning": {},
309     "Dolt": true,
310     "Giltighetsperiod": {},
311     "ID": "150872",
312     "Kod": "29AKPVT21",
313     "LarosateID": 29,
314     "SistaAnmalningsdag": "2020-11-16",
315     "SistaAnnonseringsdag": "2020-12-31",
316     "Studieavgiftsbelagd": true
317 },
318 {
```



```

319     "Benamning": {
320         "sv": "Anm\u00e4lan till kurs inom program VT2022",
321         "en": "Application to courses within programme VT2022"
322     },
323     "Beskrivning": {},
324     "Dolt": true,
325     "Giltighetsperiod": {},
326     "ID": "152554",
327     "Kod": "29AKPVT22",
328     "LarosateID": 29,
329     "SistaAnmalningsdag": "2021-11-15",
330     "SistaAnnonseringsdag": "2022-04-30",
331     "Studieavgiftsbelagd": true
332 },
333 {
334     "Benamning": {
335         "sv": "Anm\u00e4lan till kurs inom program VT2025",
336         "en": "Application to courses within programme spring term 2025"
337     },
338     "Beskrivning": {},
339     "Dolt": false,
340     "Giltighetsperiod": {},
341     "ID": "160413",
342     "Kod": "29AKPVT25",
343     "LarosateID": 29,
344     "SistaAnmalningsdag": "2024-11-15",
345     "SistaAnnonseringsdag": "2025-05-15",
346     "Studieavgiftsbelagd": true
347 },
348 {
349     "Benamning": {
350         "sv": "Civilingenj\u00f6rsval f\u00f6r studenter p\u00e5 civilingenj\u00f6r \u00f6ppen ing\u00e5ng",
351         "en": "Civilingenj\u00f6rsval f\u00f6r studenter p\u00e5 civilingenj\u00f6r \u00f6ppen ing\u00e5ng"
352     },
353     "Beskrivning": {},
354     "Dolt": false,
355     "Giltighetsperiod": {},
356     "ID": "159484",
357     "Kod": "29COPEN24",
358     "LarosateID": 29,
359     "SistaAnmalningsdag": "2024-05-27",
360     "SistaAnnonseringsdag": "2024-05-27",
361     "Studieavgiftsbelagd": true
362 },
363 {
364     "Benamning": {
365         "sv": "Masterval f\u00f6r civilingenj\u00f6rer p\u00e5 KTH",
366         "en": "Masterval f\u00f6r civilingenj\u00f6rer p\u00e5 KTH"
367     },
368     "Beskrivning": {},

```

```

369     "Dolt": false,
370     "Giltighetsperiod": {},
371     "ID": "159485",
372     "Kod": "29MASVAL24",
373     "LarosateID": 29,
374     "SistaAnmalningsdag": "2024-05-15",
375     "SistaAnnonseringsdag": "2024-05-15",
376     "Studieavgiftsbelagd": true
377 },
378 {
379     "Benamning": {
380         "sv": "H\u00f6stterminen 2018",
381         "en": "Autumn semester 2018"
382     },
383     "Beskrivning": {},
384     "Dolt": true,
385     "Giltighetsperiod": {},
386     "ID": "135280",
387     "Kod": "HT2018",
388     "LarosateID": 29,
389     "SistaAnmalningsdag": "2018-04-16",
390     "SistaAnnonseringsdag": "2019-04-16",
391     "Studieavgiftsbelagd": true
392 },
393 {
394     "Benamning": {
395         "sv": "H\u00f6stterminen 2019",
396         "en": "Autumn Semester 2019"
397     },
398     "Beskrivning": {
399         "sv": "Prelimin\u00e4r sista anm\u00e4lningsdag"
400     },
401     "Dolt": true,
402     "Giltighetsperiod": {},
403     "ID": "138495",
404     "Kod": "HT2019",
405     "LarosateID": 29,
406     "SistaAnmalningsdag": "2019-04-15",
407     "SistaAnnonseringsdag": "2020-01-10",
408     "Studieavgiftsbelagd": true
409 },
410 {
411     "Benamning": {
412         "sv": "H\u00f6stterminen 2022",
413         "en": "Autumn semester 2022"
414     },
415     "Beskrivning": {},
416     "Dolt": true,
417     "Giltighetsperiod": {},
418     "ID": "152327",

```

```

419     "Kod": "HT2022",
420     "LarosateID": 29,
421     "SistaAnmalningsdag": "2022-04-19",
422     "SistaAnnonseringsdag": "2023-01-10",
423     "Studieavgiftsbelagd": true
424 },
425 {
426     "Benamning": {
427         "sv": "H\u00f6stterminen 2025",
428         "en": "Autumn Semester 2025"
429     },
430     "Beskrivning": {},
431     "Dolt": false,
432     "Giltighetsperiod": {},
433     "ID": "160017",
434     "Kod": "HT2025",
435     "LarosateID": 29,
436     "SistaAnmalningsdag": "2025-04-15",
437     "SistaAnnonseringsdag": "2026-01-09",
438     "Studieavgiftsbelagd": true
439 },
440 {
441     "Benamning": {
442         "sv": "H\u00f6stterminen 2026",
443         "en": "Autumn Semester 2026"
444     },
445     "Beskrivning": {},
446     "Dolt": false,
447     "Giltighetsperiod": {},
448     "ID": "161944",
449     "Kod": "HT2026",
450     "LarosateID": 29,
451     "SistaAnmalningsdag": "2026-04-15",
452     "SistaAnnonseringsdag": "2026-01-09",
453     "Studieavgiftsbelagd": true
454 },
455 {
456     "Benamning": {
457         "sv": "Internationella kurser och program h\u00f6stterminen 2018",
458         "en": "International Courses and Programmes Autumn Semester 2018"
459     },
460     "Beskrivning": {},
461     "Dolt": true,
462     "Giltighetsperiod": {},
463     "ID": "135281",
464     "Kod": "IKHT18",
465     "LarosateID": 29,
466     "SistaAnmalningsdag": "2018-01-15",
467     "SistaAnnonseringsdag": "2019-01-15",
468     "Studieavgiftsbelagd": true

```

```
469     },
470     {
471       "Benamning": {
472         "sv": "Internationella kurser och program h\u00f6stterminen 2019",
473         "en": "International Courses and Programmes Autumn Semester 2019"
474       },
475       "Beskrivning": {},
476       "Dolt": true,
477       "Giltighetsperiod": {},
478       "ID": "138496",
479       "Kod": "IKHT19",
480       "LarosateID": 29,
481       "SistaAnmalningsdag": "2019-01-15",
482       "SistaAnnonseringsdag": "2019-01-15",
483       "Studieavgiftsbelagd": true
484     },
485     {
486       "Benamning": {
487         "sv": "Internationella kurser och program h\u00f6stterminen 2022",
488         "en": "International Courses and Programmes Autumn Semester 2022"
489       },
490       "Beskrivning": {},
491       "Dolt": true,
492       "Giltighetsperiod": {},
493       "ID": "152329",
494       "Kod": "IKHT22",
495       "LarosateID": 29,
496       "SistaAnmalningsdag": "2022-01-17",
497       "SistaAnnonseringsdag": "2023-01-10",
498       "Studieavgiftsbelagd": true
499     },
500     {
501       "Benamning": {
502         "sv": "Internationella kurser och program h\u00f6stterminen 2024",
503         "en": "International Courses and Programmes Autumn Semester 2024"
504       },
505       "Beskrivning": {},
506       "Dolt": false,
507       "Giltighetsperiod": {},
508       "ID": "158393",
509       "Kod": "IKHT24",
510       "LarosateID": 29,
511       "SistaAnmalningsdag": "2024-01-15",
512       "SistaAnnonseringsdag": "2023-05-15",
513       "Studieavgiftsbelagd": true
514     },
515     {
516       "Benamning": {
517         "sv": "Internationella kurser och program h\u00f6stterminen 2025",
518         "en": "International Courses and Programmes Autumn Semester 2025"
```

```

519     },
520     "Beskrivning": {},
521     "Dolt": false,
522     "Giltighetsperiod": {},
523     "ID": "160018",
524     "Kod": "IKHT25",
525     "LarosateID": 29,
526     "SistaAnmalningsdag": "2025-01-15",
527     "SistaAnnonseringsdag": "2024-03-15",
528     "Studieavgiftsbelagd": true
529 },
530 {
531     "Benamning": {
532         "sv": "Internationella kurser och program h\u00f6stterminen 2026",
533         "en": "International Courses and Programmes Autumn Semester 2026"
534     },
535     "Beskrivning": {},
536     "Dolt": false,
537     "Giltighetsperiod": {},
538     "ID": "161943",
539     "Kod": "IKHT26",
540     "LarosateID": 29,
541     "SistaAnmalningsdag": "2026-01-15",
542     "SistaAnnonseringsdag": "2024-03-15",
543     "Studieavgiftsbelagd": true
544 },
545 {
546     "Benamning": {
547         "sv": "Internationella masterprogram h\u00f6stterminen 2019",
548         "en": "International Master Programmes Autumn Semester 2019"
549     },
550     "Beskrivning": {},
551     "Dolt": true,
552     "Giltighetsperiod": {},
553     "ID": "135951",
554     "Kod": "MASTERHT19",
555     "LarosateID": 29,
556     "SistaAnmalningsdag": "2019-01-15",
557     "SistaAnnonseringsdag": "2020-01-14",
558     "Studieavgiftsbelagd": true
559 },
560 {
561     "Benamning": {
562         "sv": "Internationella masterprogram h\u00f6stterminen 2024",
563         "en": "International Master\2019s Programmes Autumn Semester 2024"
564     },
565     "Beskrivning": {},
566     "Dolt": false,
567     "Giltighetsperiod": {},
568     "ID": "158395",

```

```

569     "Kod": "MASTERHT24",
570     "LarosateID": 29,
571     "SistaAnmalningsdag": "2024-01-15",
572     "SistaAnnonseringsdag": "2024-05-15",
573     "Studieavgiftsbelagd": true
574 },
575 {
576     "Benamning": {
577         "sv": "Sommarterminen 2022",
578         "en": "Summer session 2022"
579     },
580     "Beskrivning": {},
581     "Dolt": true,
582     "Giltighetsperiod": {},
583     "ID": "152328",
584     "Kod": "ST2022",
585     "LarosateID": 29,
586     "SistaAnmalningsdag": "2022-03-15",
587     "SistaAnnonseringsdag": "2022-08-19",
588     "Studieavgiftsbelagd": true
589 },
590 {
591     "Benamning": {
592         "sv": "Sommarterminen 2024",
593         "en": "Summer Session 2024"
594     },
595     "Beskrivning": {},
596     "Dolt": false,
597     "Giltighetsperiod": {},
598     "ID": "158394",
599     "Kod": "ST2024",
600     "LarosateID": 29,
601     "SistaAnmalningsdag": "2024-03-15",
602     "SistaAnnonseringsdag": "2024-08-19",
603     "Studieavgiftsbelagd": true
604 },
605 {
606     "Benamning": {
607         "sv": "V\u00e5rterminen 2019",
608         "en": "Spring Semester 2019"
609     },
610     "Beskrivning": {
611         "sv": "Prelimin\u00e4r sista anm\u00e4lningsdag"
612     },
613     "Dolt": true,
614     "Giltighetsperiod": {},
615     "ID": "135893",
616     "Kod": "VT2019",
617     "LarosateID": 29,
618     "SistaAnmalningsdag": "2018-10-15",

```

```

619     "SistaAnnonseringsdag": "2019-06-30",
620     "Studieavgiftsbelagd": true
621 },
622 {
623     "Benamning": {
624         "sv": "V\u00e5rterminen 2022",
625         "en": "Spring Semester 2022"
626     },
627     "Beskrivning": {},
628     "Dolt": true,
629     "Giltighetsperiod": {},
630     "ID": "152326",
631     "Kod": "VT2022",
632     "LarosateID": 29,
633     "SistaAnmalningsdag": "2021-10-15",
634     "SistaAnnonseringsdag": "2022-06-10",
635     "Studieavgiftsbelagd": true
636 },
637 {
638     "Benamning": {
639         "sv": "V\u00e5rterminen 2025",
640         "en": "Spring Semester 2025"
641     },
642     "Beskrivning": {},
643     "Dolt": false,
644     "Giltighetsperiod": {},
645     "ID": "160016",
646     "Kod": "VT2025",
647     "LarosateID": 29,
648     "SistaAnmalningsdag": "2024-10-15",
649     "SistaAnnonseringsdag": "2025-06-09",
650     "Studieavgiftsbelagd": true
651 },
652 {
653     "Benamning": {
654         "sv": "V\u00e5rterminen 2026",
655         "en": "Spring Semester 2026"
656     },
657     "Beskrivning": {},
658     "Dolt": false,
659     "Giltighetsperiod": {},
660     "ID": "161945",
661     "Kod": "VT2026",
662     "LarosateID": 29,
663     "SistaAnmalningsdag": "2025-10-15",
664     "SistaAnnonseringsdag": "2026-06-09",
665     "Studieavgiftsbelagd": true
666 }
667 ]
668 }

```

## 20.23 utbildningstyp\_JSON

1369a

```

<LadokSession data methods 95c>+≡
# added by GQMjr
def utbildningstyp_JSON(self):
    """
    Returns types of education.

    For information about these, see

    https://ladok.se/wp-content/uploads/2018/01/Funktionsbeskrivning_095.pdf
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/utbildningstyp',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1369b

```

<test functions 99b>+≡
def test_utbildningstyp_JSON():
    r = ladok.utbildningstyp_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2      "Utbildningstyp": [
3          {
4              "AvserTillfalle": false,
5              "Benamning": {
6                  "sv": "Modul utan omfattning",
7                  "en": "Module without scope"
8              },
9              "Beskrivning": {},
10             "Dolt": false,
11             "Giltighetsperiod": {},
12             "Grundtyp": "MODUL",
13             "ID": "3",
14             "Kod": "2007MU0",
15             "LarosateID": -1,
16             "Regelverk": {
17                 "Regelvarden": [
18                     {
19                         "Regelnamn": "commons.domain.regel.har.omfattning",
20                         "Uid": "d31a4082-e80a-11e8-b1f1-65de97d74aa5",
21                         "Varde": "false"
22                     },
23                     {
24                         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",

```



```

25         "Uid": "d31a4080-e80a-11e8-b1f1-65de97d74aa5",
26         "Varde": "true"
27     },
28     {
29         "Regelnamn": "commons.domain.regel.versionshanteras",
30         "Uid": "d31a4083-e80a-11e8-b1f1-65de97d74aa5",
31         "Varde": "false"
32     },
33     {
34         "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
35         "Uid": "d31a4084-e80a-11e8-b1f1-65de97d74aa5",
36         "Varde": "true"
37     },
38     {
39         "Regelnamn": "commons.domain.regel.sjalvstandig",
40         "Uid": "d31a4086-e80a-11e8-b1f1-65de97d74aa5",
41         "Varde": "false"
42     },
43     {
44         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
45         "Uid": "d31a4081-e80a-11e8-b1f1-65de97d74aa5",
46         "Varde": "grupp.for.utsokning.grundavanceradniva"
47     },
48     {
49         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
50         "Uid": "d31a196f-e80a-11e8-b1f1-65de97d74aa5",
51         "Varde": "grupp.for.utsokning.forskarniva"
52     },
53     {
54         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
55         "Uid": "d31a4085-e80a-11e8-b1f1-65de97d74aa5",
56         "Varde": "true"
57     }
58 ],
59 "Uid": "0441f5ba-1b3f-11e6-aff0-464044604cb6"
60 },
61 "Sorteringsordning": 50,
62 "StudieordningID": 1,
63 "TillfalleInomUtbildningstyper": [],
64 "UtbildningstyperInomUtbildningstyp": []
65 },
66 {
67     "AvserTillfalle": false,
68     "Benamning": {
69         "sv": "Modul",
70         "en": "Module"
71     },
72     "Beskrivning": {},
73     "Dolt": false,
74     "Giltighetsperiod": {},

```

```

75     "Grundtyp": "MODUL",
76     "ID": "4",
77     "Kod": "2007MOD",
78     "LarosateID": -1,
79     "Regelverk": {
80         "Regelvarden": [
81             {
82                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
83                 "Uid": "b18301bc-e80a-11e8-b1f1-65de97d74aa5",
84                 "Varde": "true"
85             },
86             {
87                 "Regelnamn": "commons.domain.regel.sjalvstandig",
88                 "Uid": "b18301bf-e80a-11e8-b1f1-65de97d74aa5",
89                 "Varde": "false"
90             },
91             {
92                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
93                 "Uid": "b18301c1-e80a-11e8-b1f1-65de97d74aa5",
94                 "Varde": "true"
95             },
96             {
97                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
98                 "Uid": "b18301c0-e80a-11e8-b1f1-65de97d74aa5",
99                 "Varde": "grupp.for.utsokning.forskarniva"
100            },
101            {
102                "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
103                "Uid": "b18301bd-e80a-11e8-b1f1-65de97d74aa5",
104                "Varde": "grupp.for.utsokning.grundavanceradniva"
105            },
106            {
107                "Regelnamn": "commons.domain.regel.versionshanteras",
108                "Uid": "b18301be-e80a-11e8-b1f1-65de97d74aa5",
109                "Varde": "false"
110            },
111            {
112                "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
113                "Uid": "b18301bb-e80a-11e8-b1f1-65de97d74aa5",
114                "Varde": "true"
115            }
116        ],
117        "Uid": "0461b2c4-1b3f-11e6-aff0-464044604cb6"
118    },
119    "Sorteringsordning": 50,
120    "StudieordningID": 1,
121    "TillfalleInomUtbildningstyper": [],
122    "UtbildningstyperInomUtbildningstyp": []
123 },
124 {

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125     "AvserTillfalle": false,
126     "Benamning": {
127       "sv": "Kurs, grundniv\u00e5",
128       "en": "Course, First-cycle"
129     },
130     "Beskrivning": {},
131     "Dolt": false,
132     "Giltighetsperiod": {},
133     "Grundtyp": "KURS",
134     "ID": "22",
135     "Kod": "2007GKURS",
136     "LarosateID": -1,
137     "NivaInomStudieordningID": 1,
138     "Regelverk": {
139       "Regelvarden": [
140         {
141           "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
142           "Uid": "cd705d5f-eef3-11ed-8ea0-65f2d2a34a25",
143           "Varde": "true"
144         },
145         {
146           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
147           "Uid": "cd705d5b-eef3-11ed-8ea0-65f2d2a34a25",
148           "Varde": "grupp.for.utsokning.grundavanceradniva"
149         },
150         {
151           "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
152           "Uid": "cd705d61-eef3-11ed-8ea0-65f2d2a34a25",
153           "Varde": "true"
154         },
155         {
156           "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
157           "Uid": "cd705d5e-eef3-11ed-8ea0-65f2d2a34a25",
158           "Varde": "true"
159         },
160         {
161           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
162           "Uid": "cd705d5c-eef3-11ed-8ea0-65f2d2a34a25",
163           "Varde": "true"
164         },
165         {
166           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
167           "Uid": "cd705d5d-eef3-11ed-8ea0-65f2d2a34a25",
168           "Varde": "true"
169         },
170         {
171           "Regelnamn": "commons.domain.regel.avbrottsregel",
172           "Uid": "cd705d60-eef3-11ed-8ea0-65f2d2a34a25",
173           "Varde": "20"
174         }
175       ]
176     }

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175     ],
176     "Uid": "047c3fad-1b3f-11e6-aff0-464044604cb6"
177 },
178 "Sorteringsordning": 1,
179 "StudieordningID": 1,
180 "TillfalleInomUtbildningstyper": [],
181 "UtbildningstyperInomUtbildningstyp": [
182     3,
183     4
184 ]
185 },
186 {
187     "AvserTillfalle": false,
188     "Benamning": {
189         "sv": "Kurs, avancerad niv\u00e5",
190         "en": "Course, Second-cycle"
191     },
192     "Beskrivning": {},
193     "Dolt": false,
194     "Giltighetsperiod": {},
195     "Grundtyp": "KURS",
196     "ID": "24",
197     "Kod": "2007AKURS",
198     "LarosateID": -1,
199     "NivaInomStudieordningID": 2,
200     "Regelverk": {
201         "Regelvarden": [
202             {
203                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
204                 "Uid": "e15c2841-eef3-11ed-8ea0-65f2d2a34a25",
205                 "Varde": "true"
206             },
207             {
208                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
209                 "Uid": "e15c2842-eef3-11ed-8ea0-65f2d2a34a25",
210                 "Varde": "true"
211             },
212             {
213                 "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
214                 "Uid": "e15c2844-eef3-11ed-8ea0-65f2d2a34a25",
215                 "Varde": "true"
216             },
217             {
218                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
219                 "Uid": "e15c2840-eef3-11ed-8ea0-65f2d2a34a25",
220                 "Varde": "true"
221             },
222             {
223                 "Regelnamn": "commons.domain.regel.avbrottsregel",
224                 "Uid": "e15c2843-eef3-11ed-8ea0-65f2d2a34a25",

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225         "Varde": "20"
226     },
227     {
228         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
229         "Uid": "e15c283f-eef3-11ed-8ea0-65f2d2a34a25",
230         "Varde": "true"
231     },
232     {
233         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
234         "Uid": "e15c283e-eef3-11ed-8ea0-65f2d2a34a25",
235         "Varde": "grupp.for.utsokning.grundavanceradniva"
236     }
237 ],
238 "Uid": "0491c386-1b3f-11e6-aff0-464044604cb6"
239 },
240 "Sorteringsordning": 2,
241 "StudieordningID": 1,
242 "TillfalleInomUtbildningstyper": [],
243 "UtbildningstyperInomUtbildningstyp": [
244     3,
245     4
246 ],
247 },
248 {
249     "AvserTillfalle": true,
250     "Benamning": {
251         "sv": "Kurstillf\u00e4lle",
252         "en": "Course instance"
253     },
254     "Beskrivning": {},
255     "Dolt": false,
256     "Giltighetsperiod": {},
257     "Grundtyp": "KURS",
258     "ID": "52",
259     "Kod": "2007KTF",
260     "LarosateID": -1,
261     "Regelverk": {
262         "Regelvarden": [
263             {
264                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
265                 "Uid": "6e4cc1b2-b803-11ed-8cb2-324fb1124949",
266                 "Varde": "true"
267             },
268             {
269                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
270                 "Uid": "6e4cc1b3-b803-11ed-8cb2-324fb1124949",
271                 "Varde": "varning"
272             },
273             {
274                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",

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275         "Uid": "6e4c9a9f-b803-11ed-8cb2-324fb1124949",
276         "Varde": "grupp.for.utsokning.grundavanceradniva"
277     },
278     {
279         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
280         "Uid": "6e4cc1b0-b803-11ed-8cb2-324fb1124949",
281         "Varde": "true"
282     },
283     {
284         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
285         "Uid": "6e4cc1b1-b803-11ed-8cb2-324fb1124949",
286         "Varde": "true"
287     }
288 ],
289 "Uid": "04abdb3c-1b3f-11e6-aff0-464044604cb6"
290 },
291 "Sorteringsordning": 1,
292 "StudieordningID": 1,
293 "TillfalleInomUtbildningstyper": [
294     22,
295     24
296 ],
297 "UtbildningstyperInomUtbildningstyp": [],
298 },
299 {
300     "AvserTillfalle": false,
301     "Benamning": {
302         "sv": "Program",
303         "en": "Programme"
304     },
305     "Beskrivning": {},
306     "Dolt": false,
307     "Giltighetsperiod": {},
308     "Grundtyp": "KURSPAKETERING",
309     "ID": "78",
310     "Kod": "2007PRG",
311     "LarosateID": -1,
312     "Regelverk": {
313         "Regelvarden": [
314             {
315                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
316                 "Uid": "72659a73-2dbe-11ec-ada4-95be1d0f4067",
317                 "Varde": "true"
318             },
319             {
320                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
321                 "Uid": "72659a75-2dbe-11ec-ada4-95be1d0f4067",
322                 "Varde": "true"
323             },
324             {

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325     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
326     "Uid": "72654c52-2dbe-11ec-ada4-95beld0f4067",
327     "Varde": "grupp.for.utsokning.grundavanceradniva"
328   },
329   {
330     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
331     "Uid": "72659a74-2dbe-11ec-ada4-95beld0f4067",
332     "Varde": "true"
333   }
334 ],
335 "Uid": "04b37c62-1b3f-11e6-aff0-464044604cb6"
336 },
337 "Sorteringsordning": 4,
338 "StudieordningID": 1,
339 "TillfalleInomUtbildningstyper": [],
340 "UtbildningstyperInomUtbildningstyp": [
341   101291,
342   22,
343   101270,
344   24,
345   101375
346 ]
347 },
348 {
349   "AvserTillfalle": true,
350   "Benamning": {
351     "sv": "Programtillf\u00e4lle",
352     "en": "Programme instance"
353   },
354   "Beskrivning": {},
355   "Dolt": false,
356   "Giltighetsperiod": {},
357   "Grundtyp": "KURSPAKETERING",
358   "ID": "94",
359   "Kod": "2007PRGTF",
360   "LarosateID": -1,
361   "Regelverk": {
362     "Regelvarden": [
363       {
364         "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
365         "Uid": "46377819-eebb-11ef-827b-ee188a544698",
366         "Varde": "varning"
367       },
368       {
369         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
370         "Uid": "4637781b-eebb-11ef-827b-ee188a544698",
371         "Varde": "true"
372       },
373       {
374         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",

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375         "Uid": "4637781d-eebb-11ef-827b-ee188a544698",
376         "Varde": "grupp.for.utsokning.grundavanceradniva"
377     },
378     {
379         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
380         "Uid": "4637781a-eebb-11ef-827b-ee188a544698",
381         "Varde": "true"
382     },
383     {
384         "Regelnamn": "commons.domain.regel.kan.utannonseras",
385         "Uid": "4637781c-eebb-11ef-827b-ee188a544698",
386         "Varde": "true"
387     }
388 ],
389 "Uid": "04ba5a38-1b3f-11e6-aff0-464044604cb6"
390 },
391 "Sorteringsordning": 50,
392 "StudieordningID": 1,
393 "TillfalleInomUtbildningstyper": [
394     78
395 ],
396 "UtbildningstyperInomUtbildningstyp": [
397     101291,
398     105632,
399     52,
400     22,
401     101382,
402     101378,
403     101381,
404     152635,
405     152633,
406     101375,
407     101290,
408     101374,
409     101292,
410     101270,
411     101377,
412     101961,
413     152634,
414     24
415 ]
416 },
417 {
418     "AvserTillfalle": false,
419     "Benamning": {
420         "sv": "Inriktning",
421         "en": "Specialisation"
422     },
423     "Beskrivning": {},
424     "Dolt": false,

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425     "Giltighetsperiod": {},
426     "Grundtyp": "KURSPAKETERING",
427     "ID": "101270",
428     "Kod": "2007INR",
429     "LarosateID": -1,
430     "Regelverk": {
431         "Regelvarden": [
432             {
433                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
434                 "UId": "0b529b09-e80a-11e8-b1f1-65de97d74aa5",
435                 "Varde": "grupp.for.utsokning.grundavanceradniva"
436             },
437             {
438                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
439                 "UId": "0b529b0b-e80a-11e8-b1f1-65de97d74aa5",
440                 "Varde": "true"
441             },
442             {
443                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
444                 "UId": "0b529b0a-e80a-11e8-b1f1-65de97d74aa5",
445                 "Varde": "true"
446             },
447             {
448                 "Regelnamn": "commons.domain.regel.sjalvstandig",
449                 "UId": "0b529b08-e80a-11e8-b1f1-65de97d74aa5",
450                 "Varde": "false"
451             }
452         ],
453         "UId": "0d66222a-7084-11e6-b9af-3b90d480415d"
454     },
455     "Sorteringsordning": 50,
456     "StudieordningID": 1,
457     "TillfalleInomUtbildningstyper": [],
458     "UtbildningstyperInomUtbildningstyp": [
459         101291,
460         22,
461         101375,
462         24
463     ]
464 },
465 {
466     "AvserTillfalle": true,
467     "Benamning": {
468         "sv": "Inriktningstillf\u00e4lle",
469         "en": "Specialisation instance"
470     },
471     "Beskrivning": {},
472     "Dolt": false,
473     "Giltighetsperiod": {},
474     "Grundtyp": "KURSPAKETERING",

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475     "ID": "101290",
476     "Kod": "2007INRTF",
477     "LarosateID": -1,
478     "Regelverk": {
479         "Regelvarden": [
480             {
481                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
482                 "Uid": "757f6b24-32a9-11ed-9f62-5d776d184866",
483                 "Varde": "grupp.for.utsokning.grundavanceradniva"
484             },
485             {
486                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
487                 "Uid": "757f6b26-32a9-11ed-9f62-5d776d184866",
488                 "Varde": "true"
489             },
490             {
491                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
492                 "Uid": "757f6b25-32a9-11ed-9f62-5d776d184866",
493                 "Varde": "true"
494             }
495         ],
496         "Uid": "6942171b-f8fa-11e6-bfa5-278fa0454831"
497     },
498     "Sorteringsordning": 50,
499     "StudieordningID": 1,
500     "TillfalleInomUtbildningstyper": [
501         101270
502     ],
503     "UtbildningstyperInomUtbildningstyp": [
504         101291,
505         105632,
506         52,
507         22,
508         101382,
509         101381,
510         152635,
511         152633,
512         101375,
513         101374,
514         101292,
515         101377,
516         152634,
517         24
518     ]
519 },
520 {
521     "AvserTillfalle": false,
522     "Benamning": {
523         "sv": "Kurspaket",
524         "en": "Course package"

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525     },
526     "Beskrivning": {},
527     "Dolt": false,
528     "Giltighetsperiod": {},
529     "Grundtyp": "KURSPAKETERING",
530     "ID": "101291",
531     "Kod": "2007KP",
532     "LarosateID": -1,
533     "Regelverk": {
534       "Regelvarden": [
535         {
536           "Regelnamn": "commons.domain.regel.ar_kurspaket",
537           "Uid": "bb699c14-0505-11ee-b40a-f28ad46341da",
538           "Varde": "true"
539         },
540         {
541           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
542           "Uid": "bb697502-0505-11ee-b40a-f28ad46341da",
543           "Varde": "grupp.for.utsokning.grundavanceradniva"
544         },
545         {
546           "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
547           "Uid": "bb699c13-0505-11ee-b40a-f28ad46341da",
548           "Varde": "true"
549         }
550       ],
551       "Uid": "32f1032b-ec60-11e6-8a84-352cf9f6431e"
552     },
553     "Sorteringsordning": 5,
554     "StudieordningID": 1,
555     "TillfalleInomUtbildningstyper": [],
556     "UtbildningstyperInomUtbildningstyp": [
557       22,
558       24
559     ]
560   },
561   {
562     "AvserTillfalle": true,
563     "Benamning": {
564       "sv": "Kurspakettillf\u00e4lle",
565       "en": "Course package instance"
566     },
567     "Beskrivning": {},
568     "Dolt": false,
569     "Giltighetsperiod": {},
570     "Grundtyp": "KURSPAKETERING",
571     "ID": "101292",
572     "Kod": "2007KPTF",
573     "LarosateID": -1,
574     "Regelverk": {

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575     "Regelvarde": [
576       {
577         "Regelnamn": "commons.domain.regel.kan.utannonseras",
578         "Uid": "f675e22b-0505-11ee-b40a-f28ad46341da",
579         "Varde": "true"
580       },
581       {
582         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
583         "Uid": "f675e22a-0505-11ee-b40a-f28ad46341da",
584         "Varde": "true"
585       },
586       {
587         "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
588         "Uid": "f675e22c-0505-11ee-b40a-f28ad46341da",
589         "Varde": "varning"
590       },
591       {
592         "Regelnamn": "commons.domain.regel.ar_kurspaket",
593         "Uid": "f676093d-0505-11ee-b40a-f28ad46341da",
594         "Varde": "true"
595       },
596       {
597         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
598         "Uid": "f675e229-0505-11ee-b40a-f28ad46341da",
599         "Varde": "grupp.for.utsokning.grundavanceradniva"
600       }
601     ],
602     "Uid": "0019a8ab-4c22-11e7-8c70-788c557b416a"
603   },
604   "Sorteringsordning": 50,
605   "StudieordningID": 1,
606   "TillfalleInomUtbildningstyper": [
607     101291
608   ],
609   "UtbildningstyperInomUtbildningstyp": [
610     52,
611     22,
612     101381,
613     24
614   ]
615 },
616 {
617   "AvserTillfalle": false,
618   "Benamning": {
619     "sv": "Kurs, grundutbildning",
620     "en": "Course, Undergraduate"
621   },
622   "Beskrivning": {},
623   "Dolt": false,
624   "Giltighetsperiod": {},

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625     "Grundtyp": "KURS",
626     "ID": "101370",
627     "Kod": "1993GKURS",
628     "LarosateID": -1,
629     "NivaInomStudieordningID": 4,
630     "Regelverk": {
631         "Regelvarden": [
632             {
633                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
634                 "Uid": "63db66ae-e80a-11e8-b1f1-65de97d74aa5",
635                 "Varde": "grupp.for.utsokning.grundavanceradniva"
636             },
637             {
638                 "Regelnamn": "commons.domain.regel.avbrottsregel",
639                 "Uid": "63db66af-e80a-11e8-b1f1-65de97d74aa5",
640                 "Varde": "20"
641             },
642             {
643                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
644                 "Uid": "63db66ad-e80a-11e8-b1f1-65de97d74aa5",
645                 "Varde": "true"
646             }
647         ],
648         "Uid": "bb2b5d6c-8622-11e6-89f6-efd50fc84e85"
649     },
650     "Sorteringsordning": 1,
651     "StudieordningID": 2,
652     "TillfalleInomUtbildningstyper": [],
653     "UtbildningstyperInomUtbildningstyp": [
654         101371
655     ]
656 },
657 {
658     "AvserTillfalle": false,
659     "Benamning": {
660         "sv": "Modul",
661         "en": "Module"
662     },
663     "Beskrivning": {},
664     "Dolt": false,
665     "Giltighetsperiod": {},
666     "Grundtyp": "MODUL",
667     "ID": "101371",
668     "Kod": "1993MOD",
669     "LarosateID": -1,
670     "Regelverk": {
671         "Regelvarden": [
672             {
673                 "Regelnamn": "commons.domain.regel.versionshanteras",
674                 "Uid": "af4dac0a-e80a-11e8-b1f1-65de97d74aa5",

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675         "Varde": "false"
676     },
677     {
678         "Regelnamn": "commons.domain.regel.sjalvstandig",
679         "Uid": "af4dac09-e80a-11e8-b1f1-65de97d74aa5",
680         "Varde": "false"
681     },
682     {
683         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
684         "Uid": "af4dac07-e80a-11e8-b1f1-65de97d74aa5",
685         "Varde": "true"
686     },
687     {
688         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
689         "Uid": "af4dac08-e80a-11e8-b1f1-65de97d74aa5",
690         "Varde": "grupp.for.utsokning.grundavanceradniva"
691     }
692 ],
693 "Uid": "9babbd6c-7a4e-11e6-8419-0812bb95460f"
694 },
695 "Sorteringsordning": 50,
696 "StudieordningID": 2,
697 "TillfalleInomUtbildningstyper": [],
698 "UtbildningstyperInomUtbildningstyp": []
699 },
700 {
701     "AvserTillfalle": false,
702     "Benamning": {
703         "sv": "Program",
704         "en": "Programme"
705     },
706     "Beskrivning": {},
707     "Dolt": false,
708     "Giltighetsperiod": {},
709     "Grundtyp": "KURSPAKETERING",
710     "ID": "101372",
711     "Kod": "1993PRG",
712     "LarosateID": -1,
713     "NivaInomStudieordningID": 4,
714     "Regelverk": {
715         "Regelvarden": [
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717                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
718                 "Uid": "72b85ff8-e80b-11e8-b1f1-65de97d74aa5",
719                 "Varde": "grupp.for.utsokning.grundavanceradniva"
720             },
721             {
722                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
723                 "Uid": "72b85ff9-e80b-11e8-b1f1-65de97d74aa5",
724                 "Varde": "true"

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725     }
726   ],
727   "UId": "a6c1681c-ec5f-11e6-8a84-352cf9f6431e"
728 },
729 "Sorteringsordning": 4,
730 "StudieordningID": 2,
731 "TillfalleInomUtbildningstyper": [],
732 "UtbildningstyperInomUtbildningstyp": [
733   101960
734 ]
735 },
736 {
737   "AvserTillfalle": false,
738   "Benamning": {
739     "sv": "Forskningsarbete",
740     "en": "Research project"
741   },
742   "Beskrivning": {
743     "sv": "Vetenskaplig avhandling (doktorsavhandling), vetenskaplig uppsats (f\u00f6r licentiatexamen)"
744   },
745   "Dolt": false,
746   "Giltighetsperiod": {},
747   "Grundtyp": "KURS",
748   "ID": "101952",
749   "Kod": "2007VF",
750   "LarosateID": -1,
751   "NivaInomStudieordningID": 3,
752   "Regelverk": {
753     "Regelvarden": [
754       {
755         "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
756         "UId": "de9fbc79-e809-11e8-b1f1-65de97d74aa5",
757         "Varde": "true"
758       },
759       {
760         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
761         "UId": "de9fbc7a-e809-11e8-b1f1-65de97d74aa5",
762         "Varde": "grupp.for.utsokning.forskarniva"
763       }
764     ],
765     "UId": "98daf2d7-ec60-11e6-8a84-352cf9f6431e"
766   },
767   "Sorteringsordning": 8,
768   "StudieordningID": 1,
769   "TillfalleInomUtbildningstyper": [],
770   "UtbildningstyperInomUtbildningstyp": [
771     3,
772     4
773   ]
774 },

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776       "AvserTillfalle": true,
777       "Benamning": {
778         "sv": "Tillf\u00e4lle f\u00f6r forskningsarbete",
779         "en": "Research project instance"
780       },
781       "Beskrivning": {},
782       "Dolt": false,
783       "Giltighetsperiod": {},
784       "Grundtyp": "KURS",
785       "ID": "101953",
786       "Kod": "2007VFTF",
787       "LarosateID": -1,
788       "Regelverk": {
789         "Regelvarden": [
790           {
791             "Regelnamn": "commons.domain.regel.studieperiod.kan.laggas.till",
792             "Uid": "0249354f-a963-11ea-8eca-41686c5c4a35",
793             "Varde": "true"
794           },
795           {
796             "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
797             "Uid": "0249354e-a963-11ea-8eca-41686c5c4a35",
798             "Varde": "true"
799           },
800           {
801             "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
802             "Uid": "02490e3c-a963-11ea-8eca-41686c5c4a35",
803             "Varde": "grupp.for.utsokning.forskarniva"
804           },
805           {
806             "Regelnamn": "commons.domain.regel.individuell",
807             "Uid": "0249354d-a963-11ea-8eca-41686c5c4a35",
808             "Varde": "true"
809           }
810         ],
811         "Uid": "fb862c6d-a752-11e6-bc5d-3b8bbccc4a18"
812       },
813       "Sorteringsordning": 50,
814       "StudieordningID": 1,
815       "TillfalleInomUtbildningstyper": [
816         101952,
817         110915
818       ],
819       "UtbildningstyperInomUtbildningstyp": []
820     },
821     {
822       "AvserTillfalle": false,
823       "Benamning": {
824         "sv": "Kurs, forskarniv\u00e5",

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825     "en": "Course, Third-cycle"
826 },
827 "Beskrivning": {},
828 "Dolt": false,
829 "Giltighetsperiod": {},
830 "Grundtyp": "KURS",
831 "ID": "101954",
832 "Kod": "2007FKURS",
833 "LarosateID": -1,
834 "NivaInomStudieordningID": 3,
835 "Regelverk": {
836   "Regelvarden": [
837     {
838       "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
839       "Uid": "d3910ebc-87fc-11ec-a845-a8ad71444c99",
840       "Varde": "true"
841     },
842     {
843       "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
844       "Uid": "d3910ebd-87fc-11ec-a845-a8ad71444c99",
845       "Varde": "true"
846     },
847     {
848       "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
849       "Uid": "d390e7ab-87fc-11ec-a845-a8ad71444c99",
850       "Varde": "grupp.for.utsokning.forskarniva"
851     },
852     {
853       "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
854       "Uid": "d3910ebe-87fc-11ec-a845-a8ad71444c99",
855       "Varde": "true"
856     }
857   ],
858   "Uid": "0a468d21-ec60-11e6-8a84-352cf9f6431e"
859 },
860 "Sorteringsordning": 3,
861 "StudieordningID": 1,
862 "TillfalleInomUtbildningstyper": [],
863 "UtbildningstyperInomUtbildningstyp": [
864   3,
865   4
866 ]
867 },
868 {
869   "AvserTillfalle": true,
870   "Benamning": {
871     "sv": "Kurstillf\u00e4lle, forskarniv\u00e5",
872     "en": "Course instance, Third-cycle"
873   },
874   "Beskrivning": {},

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876     "Giltighetsperiod": {},
877     "Grundtyp": "KURS",
878     "ID": "101955",
879     "Kod": "2007FKTF",
880     "LarosateID": -1,
881     "Regelverk": {
882         "Regelvarden": [
883             {
884                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
885                 "Uid": "a6abbd1e-e80a-11e8-b1f1-65de97d74aa5",
886                 "Varde": "true"
887             },
888             {
889                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
890                 "Uid": "a6abbd1d-e80a-11e8-b1f1-65de97d74aa5",
891                 "Varde": "grupp.for.utsokning.forskarniva"
892             }
893         ],
894         "Uid": "c845e104-f0bc-11e7-b9b4-407caefe466f"
895     },
896     "Sorteringsordning": 50,
897     "StudieordningID": 1,
898     "TillfalleInomUtbildningstyper": [
899         101954
900     ],
901     "UtbildningstyperInomUtbildningstyp": []
902 },
903 {
904     "AvserTillfalle": false,
905     "Benamning": {
906         "sv": "\u00c4mne, forskarniv\u00e5",
907         "en": "Subject, Third-cycle"
908     },
909     "Beskrivning": {},
910     "Dolt": false,
911     "Giltighetsperiod": {},
912     "Grundtyp": "KURSPAKETERING",
913     "ID": "101956",
914     "Kod": "2007FA",
915     "LarosateID": -1,
916     "NivaInomStudieordningID": 3,
917     "Regelverk": {
918         "Regelvarden": [
919             {
920                 "Regelnamn": "commons.domain.regel.forvald.omfattning",
921                 "Uid": "5431339d-ecf4-11ee-831e-9a115c0740fa",
922                 "Varde": "240"
923             },
924             {

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925         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
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927         "Varde": "grupp.for.utsokning.forskarniva"
928     },
929     {
930         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
931         "UId": "543133a0-ecf4-11ee-831e-9a115c0740fa",
932         "Varde": "true"
933     },
934     {
935         "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
936         "UId": "5431339f-ecf4-11ee-831e-9a115c0740fa",
937         "Varde": "true"
938     }
939 ],
940 "UId": "4dccc624-ec60-11e6-8a84-352cf9f6431e"
941 },
942 "Sorteringsordning": 6,
943 "StudieordningID": 1,
944 "TillfalleInomUtbildningstyper": [],
945 "UtbildningstyperInomUtbildningstyp": [
946     101952,
947     151503,
948     101375,
949     101954
950 ]
951 },
952 {
953     "AvserTillfalle": true,
954     "Benamning": {
955         "sv": "\u00c4mnestillf\u00e4lle, forskarniv\u00e5",
956         "en": "Subject instance, Third-cycle"
957     },
958     "Beskrivning": {},
959     "Dolt": false,
960     "Giltighetsperiod": {},
961     "Grundtyp": "KURSPAKETERING",
962     "ID": "101957",
963     "Kod": "2007FATF",
964     "LarosateID": -1,
965     "Regelverk": {
966         "Regelvarden": [
967             {
968                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
969                 "UId": "50893ff9-4b7d-11ec-944c-5226fb2c461c",
970                 "Varde": "grupp.for.utsokning.forskarniva"
971             },
972             {
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974                 "UId": "5089b52a-4b7d-11ec-944c-5226fb2c461c",

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975         "Varde": "true"
976     },
977 ],
978     "Uid": "347544fd-2bf2-11e7-8421-d64931f94928"
979 },
980 "Sorteringsordning": 50,
981 "StudieordningID": 1,
982 "TillfalleInomUtbildningstyper": [
983     101956
984 ],
985 "UtbildningstyperInomUtbildningstyp": [
986     101953,
987     101967,
988     101952,
989     152632,
990     138461,
991     101375,
992     110915,
993     101954,
994     101968,
995     151504,
996     101951,
997     107510,
998     101955,
999     101377,
1000     151503,
1001     152631
1002 ]
1003 },
1004 {
1005     "AvserTillfalle": false,
1006     "Benamning": {
1007         "sv": "Individuellt utbytes\u00e5tagande, forskarniv\u00e5, utresande",
1008         "en": "Individual exchange load, outgoing third-cycle student"
1009     },
1010     "Beskrivning": {},
1011     "Dolt": false,
1012     "Giltighetsperiod": {},
1013     "Grundtyp": "KURS",
1014     "ID": "101958",
1015     "Kod": "2007FUAT",
1016     "LarosateID": -1,
1017     "NivaInomStudieordningID": 3,
1018     "Regelverk": {
1019         "Regelvarden": [
1020             {
1021                 "Regelnamn": "commons.domain.regel.versionshanteras",
1022                 "Uid": "d54fe9df-ee3d-11e8-9270-17395ad8480f",
1023                 "Varde": "false"
1024             }

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1029     },
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1032         "Uid": "d54fe9dc-ee3d-11e8-9270-17395ad8480f",
1033         "Varde": "grupp.for.utsokning.forskarniva"
1034     },
1035     {
1036         "Regelnamn": "commons.domain.regel.individuell",
1037         "Uid": "d54fe9e0-ee3d-11e8-9270-17395ad8480f",
1038         "Varde": "true"
1039     },
1040     {
1041         "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
1042         "Uid": "d54fe9dd-ee3d-11e8-9270-17395ad8480f",
1043         "Varde": "true"
1044     }
1045 ],
1046 "Uid": "06449ba8-a75f-11e6-bc5d-3b8bbccc4a18"
1047 },
1048 "Sorteringsordning": 12,
1049 "StudieordningID": 1,
1050 "TillfalleInomUtbildningstyper": [],
1051 "UtbildningstyperInomUtbildningstyp": []
1052 },
1053 {
1054     "AvserTillfalle": true,
1055     "Benamning": {
1056         "sv": "Individuellt tillf\u00e4lle f\u00f6r utbytes\u00e5tagande, forskarniv\u00e5, utresande",
1057         "en": "Individual exchange load instance, outgoing third-cycle student"
1058     },
1059     "Beskrivning": {},
1060     "Dolt": false,
1061     "Giltighetsperiod": {},
1062     "Grundtyp": "KURS",
1063     "ID": "101959",
1064     "Kod": "2007FUATF",
1065     "LarosateID": -1,
1066     "Regelverk": {
1067         "Regelvarden": [
1068             {
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1070                 "Uid": "01438d24-ee3d-11e8-9270-17395ad8480f",
1071                 "Varde": "true"
1072             },
1073             {
1074                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",

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1075         "Uid": "01438d23-ee3d-11e8-9270-17395ad8480f",
1076         "Varde": "true"
1077     },
1078     {
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1080         "Uid": "01436612-ee3d-11e8-9270-17395ad8480f",
1081         "Varde": "grupp.for.utsokning.forskarniva"
1082     }
1083 ],
1084 "Uid": "8cbdf65d-a75f-11e6-bc5d-3b8bbccc4a18"
1085 },
1086 "Sorteringsordning": 50,
1087 "StudieordningID": 1,
1088 "TillfalleInomUtbildningstyper": [
1089     101958
1090 ],
1091 "UtbildningstyperInomUtbildningstyp": []
1092 },
1093 {
1094     "AvserTillfalle": false,
1095     "Benamning": {
1096         "sv": "Inriktning",
1097         "en": "Specialisation"
1098     },
1099     "Beskrivning": {},
1100     "Dolt": false,
1101     "Giltighetsperiod": {},
1102     "Grundtyp": "KURSPAKETERING",
1103     "ID": "101960",
1104     "Kod": "1993INR",
1105     "LarosateID": -1,
1106     "NivaInomStudieordningID": 4,
1107     "Regelverk": {
1108         "Regelvarden": [
1109             {
1110                 "Regelnamn": "commons.domain.regel.sjalvstandig",
1111                 "Uid": "08f04168-e80a-11e8-b1f1-65de97d74aa5",
1112                 "Varde": "false"
1113             },
1114             {
1115                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1116                 "Uid": "08f04169-e80a-11e8-b1f1-65de97d74aa5",
1117                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1118             },
1119             {
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1121                 "Uid": "08f0416a-e80a-11e8-b1f1-65de97d74aa5",
1122                 "Varde": "true"
1123             }
1124         ]

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1125         "UId": "cd189d0f-a760-11e6-bc5d-3b8bbccc4a18"
1126     },
1127     "Sorteringsordning": 50,
1128     "StudieordningID": 2,
1129     "TillfalleInomUtbildningstyper": [],
1130     "UtbildningstyperInomUtbildningstyp": []
1131 },
1132 {
1133     "AvserTillfalle": true,
1134     "Benamning": {
1135         "sv": "Inriktningstillf\u00e4lle",
1136         "en": "Specialisation instance"
1137     },
1138     "Beskrivning": {},
1139     "Dolt": false,
1140     "Giltighetsperiod": {},
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1142     "ID": "101961",
1143     "Kod": "1993INRTF",
1144     "LarosateID": -1,
1145     "Regelverk": {
1146         "Regelvarden": [
1147             {
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1150                 "Varde": "true"
1151             },
1152             {
1153                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1154                 "UId": "9754e7f8-76db-11e9-8e63-5fd9b2d24100",
1155                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1156             }
1157         ],
1158         "UId": "d10fc79e-1872-11e7-88f4-cc771bf242c7"
1159     },
1160     "Sorteringsordning": 50,
1161     "StudieordningID": 2,
1162     "TillfalleInomUtbildningstyper": [
1163         101960
1164     ],
1165     "UtbildningstyperInomUtbildningstyp": [
1166         101965,
1167         101374,
1168         105632,
1169         52,
1170         101382,
1171         101381,
1172         101377,
1173         101964,
1174         138460,

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1175         101375
1176     ]
1177 },
1178 {
1179     "AvserTillfalle": false,
1180     "Benamning": {
1181         "sv": "Individuell kurs, inresande",
1182         "en": "Individual course, incoming student"
1183     },
1184     "Beskrivning": {},
1185     "Dolt": false,
1186     "Giltighetsperiod": {},
1187     "Grundtyp": "KURS",
1188     "ID": "101962",
1189     "Kod": "1993IKURS",
1190     "LarosateID": -1,
1191     "NivaInomStudieordningID": 4,
1192     "Regelverk": {
1193         "Regelvarden": [
1194             {
1195                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
1196                 "Uid": "eaad8518-e809-11e8-b1f1-65de97d74aa5",
1197                 "Varde": "true"
1198             },
1199             {
1200                 "Regelnamn": "commons.domain.regel.avbrottsregel",
1201                 "Uid": "eaad8519-e809-11e8-b1f1-65de97d74aa5",
1202                 "Varde": "20"
1203             },
1204             {
1205                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1206                 "Uid": "eaad851b-e809-11e8-b1f1-65de97d74aa5",
1207                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1208             },
1209             {
1210                 "Regelnamn": "commons.domain.regel.versionshanteras",
1211                 "Uid": "eaad851c-e809-11e8-b1f1-65de97d74aa5",
1212                 "Varde": "false"
1213             },
1214             {
1215                 "Regelnamn": "commons.domain.regel.individuell",
1216                 "Uid": "eaad851d-e809-11e8-b1f1-65de97d74aa5",
1217                 "Varde": "true"
1218             },
1219             {
1220                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
1221                 "Uid": "eaad851a-e809-11e8-b1f1-65de97d74aa5",
1222                 "Varde": "true"
1223             }
1224         ],
1225     },
1226 }
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1225         "UId": "3265a917-a764-11e6-bc5d-3b8bbccc4a18"
1226     },
1227     "Sorteringsordning": 10,
1228     "StudieordningID": 2,
1229     "TillfalleInomUtbildningstyper": [],
1230     "UtbildningstyperInomUtbildningstyp": []
1231 },
1232 {
1233     "AvserTillfalle": true,
1234     "Benamning": {
1235         "sv": "Individuellt kurstillf\u00e4lle, inresande",
1236         "en": "Individual course instance, incoming student"
1237     },
1238     "Beskrivning": {},
1239     "Dolt": false,
1240     "Giltighetsperiod": {},
1241     "Grundtyp": "KURS",
1242     "ID": "101963",
1243     "Kod": "1993IKTF",
1244     "LarosateID": -1,
1245     "Regelverk": {
1246         "Regelvarden": [
1247             {
1248                 "Regelnamn": "commons.domain.regel.individuell",
1249                 "UId": "f8314c8f-e809-11e8-b1f1-65de97d74aa5",
1250                 "Varde": "true"
1251             },
1252             {
1253                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
1254                 "UId": "f8314c8e-e809-11e8-b1f1-65de97d74aa5",
1255                 "Varde": "true"
1256             },
1257             {
1258                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1259                 "UId": "f8314c90-e809-11e8-b1f1-65de97d74aa5",
1260                 "Varde": "grupp.for.utsokning.grundavanceradniva"
1261             },
1262             {
1263                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
1264                 "UId": "f8314c8d-e809-11e8-b1f1-65de97d74aa5",
1265                 "Varde": "true"
1266             }
1267         ],
1268         "UId": "56f3440b-a764-11e6-bc5d-3b8bbccc4a18"
1269     },
1270     "Sorteringsordning": 50,
1271     "StudieordningID": 2,
1272     "TillfalleInomUtbildningstyper": [
1273         101962
1274     ],

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1275     "UtbildningstyperInomUtbildningstyp": []
1276 },
1277 {
1278     "AvserTillfalle": false,
1279     "Benamning": {
1280         "sv": "Utbytesavtal",
1281         "en": "Exchange agreement"
1282     },
1283     "Beskrivning": {},
1284     "Dolt": false,
1285     "Giltighetsperiod": {},
1286     "Grundtyp": "KURSPAKETERING",
1287     "ID": "101964",
1288     "Kod": "1993UA",
1289     "LarosateID": -1,
1290     "NivaInomStudieordningID": 4,
1291     "Regelverk": {
1292         "Regelvarden": [
1293             {
1294                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
1295                 "Uid": "451eca51-e80b-11e8-b1f1-65de97d74aa5",
1296                 "Varde": "true"
1297             },
1298             {
1299                 "Regelnamn": "commons.domain.regel.har.omfattning",
1300                 "Uid": "451eca50-e80b-11e8-b1f1-65de97d74aa5",
1301                 "Varde": "false"
1302             }
1303         ],
1304         "Uid": "8ab22e02-a764-11e6-bc5d-3b8bbccc4a18"
1305     },
1306     "Sorteringsordning": 7,
1307     "StudieordningID": 2,
1308     "TillfalleInomUtbildningstyper": [],
1309     "UtbildningstyperInomUtbildningstyp": []
1310 },
1311 {
1312     "AvserTillfalle": true,
1313     "Benamning": {
1314         "sv": "Utbytestillf\u00e4lle, utresande",
1315         "en": "Exchange instance, outgoing students"
1316     },
1317     "Beskrivning": {},
1318     "Dolt": false,
1319     "Giltighetsperiod": {},
1320     "Grundtyp": "KURSPAKETERING",
1321     "ID": "101965",
1322     "Kod": "1993UTFU",
1323     "LarosateID": -1,
1324     "Regelverk": {

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1325     "Regelvarden": [
1326     {
1327         "Regelnamn": "commons.domain.regel.ingar.i.grupp.utresande",
1328         "Uid": "350bf356-e80b-11e8-b1f1-65de97d74aa5",
1329         "Varde": "true"
1330     },
1331     {
1332         "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
1333         "Uid": "350bf354-e80b-11e8-b1f1-65de97d74aa5",
1334         "Varde": "true"
1335     },
1336     {
1337         "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
1338         "Uid": "350bf355-e80b-11e8-b1f1-65de97d74aa5",
1339         "Varde": "true"
1340     }
1341 ],
1342 "Uid": "e644795f-2bed-11e7-8421-d64931f94928"
1343 },
1344 "Sorteringsordning": 50,
1345 "StudieordningID": 2,
1346 "TillfalleInomUtbildningstyper": [
1347     101964
1348 ],
1349 "UtbildningstyperInomUtbildningstyp": [
1350     103211
1351 ]
1352 },
1353 {
1354     "AvserTillfalle": true,
1355     "Benamning": {
1356         "sv": "Utbytestillf\u00e4lle, inresande",
1357         "en": "Exchange instance, incoming students"
1358     },
1359     "Beskrivning": {},
1360     "Dolt": false,
1361     "Giltighetsperiod": {},
1362     "Grundtyp": "KURSPAKETERING",
1363     "ID": "101966",
1364     "Kod": "1993UTFI",
1365     "LarosateID": -1,
1366     "Regelverk": {
1367         "Regelvarden": [
1368         {
1369             "Regelnamn": "commons.domain.regel.ingar.i.grupp.inresande",
1370             "Uid": "3de8ee9d-e80b-11e8-b1f1-65de97d74aa5",
1371             "Varde": "true"
1372         },
1373         {
1374             "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",

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1375         "Uid": "3de8ee9f-e80b-11e8-b1f1-65de97d74aa5",
1376         "Varde": "true"
1377     },
1378     {
1379         "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
1380         "Uid": "3de8ee9e-e80b-11e8-b1f1-65de97d74aa5",
1381         "Varde": "true"
1382     }
1383 ],
1384 "UId": "f14c33ac-a764-11e6-bc5d-3b8bbccc4a18"
1385 },
1386 "Sorteringsordning": 50,
1387 "StudieordningID": 2,
1388 "TillfalleInomUtbildningstyper": [
1389     101964
1390 ],
1391 "UtbildningstyperInomUtbildningstyp": [
1392     101374,
1393     101963
1394 ]
1395 },
1396 {
1397     "AvserTillfalle": false,
1398     "Benamning": {
1399         "sv": "Kurs, forskarutbildning",
1400         "en": "Course, doctoral studies"
1401     },
1402     "Beskrivning": {},
1403     "Dolt": false,
1404     "Giltighetsperiod": {},
1405     "Grundtyp": "KURS",
1406     "ID": "101967",
1407     "Kod": "1993FKURS",
1408     "LarosateID": -1,
1409     "NivaInomStudieordningID": 5,
1410     "Regelverk": {
1411         "Regelvarden": [
1412             {
1413                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1414                 "UId": "58c9b122-e80a-11e8-b1f1-65de97d74aa5",
1415                 "Varde": "grupp.for.utsokning.forskarniva"
1416             },
1417             {
1418                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
1419                 "UId": "58c9b121-e80a-11e8-b1f1-65de97d74aa5",
1420                 "Varde": "true"
1421             }
1422         ],
1423         "UId": "0f0f38cb-ec60-11e6-8a84-352cf9f6431e"
1424     },

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1425     "Sorteringsordning": 3,
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1427     "TillfalleInomUtbildningstyper": [],
1428     "UtbildningstyperInomUtbildningstyp": []
1429 },
1430 {
1431     "AvserTillfalle": true,
1432     "Benamning": {
1433         "sv": "Kurstillf\u00e4lle, forskarutbildning",
1434         "en": "Course instance, doctoral studies"
1435     },
1436     "Beskrivning": {},
1437     "Dolt": false,
1438     "Giltighetsperiod": {},
1439     "Grundtyp": "KURS",
1440     "ID": "101968",
1441     "Kod": "1993FKTF",
1442     "LarosateID": -1,
1443     "Regelverk": {
1444         "Regelvarden": [
1445             {
1446                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1447                 "Uid": "aacb305e-e80a-11e8-b1f1-65de97d74aa5",
1448                 "Varde": "grupp.for.utsokning.forskarniva"
1449             },
1450             {
1451                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
1452                 "Uid": "aacb305d-e80a-11e8-b1f1-65de97d74aa5",
1453                 "Varde": "true"
1454             }
1455         ],
1456         "Uid": "0bcbe850-f0bc-11e7-b9b4-407caefe466f"
1457     },
1458     "Sorteringsordning": 50,
1459     "StudieordningID": 2,
1460     "TillfalleInomUtbildningstyper": [
1461         101967
1462     ],
1463     "UtbildningstyperInomUtbildningstyp": []
1464 },
1465 {
1466     "AvserTillfalle": false,
1467     "Benamning": {
1468         "sv": "\u00c4mne, forskarutbildning",
1469         "en": "Subject, doctoral studies"
1470     },
1471     "Beskrivning": {},
1472     "Dolt": false,
1473     "Giltighetsperiod": {},
1474     "Grundtyp": "KURSPAKETERING",

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1475     "ID": "101969",
1476     "Kod": "1993FA",
1477     "LarosateID": -1,
1478     "NivaInomStudieordningID": 5,
1479     "Regelverk": {
1480         "Regelvarden": [
1481             {
1482                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1483                 "Uid": "24c93336-e80b-11e8-b1f1-65de97d74aa5",
1484                 "Varde": "grupp.for.utsokning.forskarniva"
1485             },
1486             {
1487                 "Regelnamn": "commons.domain.regel.forvald.omfattning",
1488                 "Uid": "24c93335-e80b-11e8-b1f1-65de97d74aa5",
1489                 "Varde": "240"
1490             },
1491             {
1492                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
1493                 "Uid": "24c93337-e80b-11e8-b1f1-65de97d74aa5",
1494                 "Varde": "true"
1495             }
1496         ],
1497         "Uid": "558eb4e2-ec60-11e6-8a84-352cf9f6431e"
1498     },
1499     "Sorteringsordning": 6,
1500     "StudieordningID": 2,
1501     "TillfalleInomUtbildningstyper": [],
1502     "UtbildningstyperInomUtbildningstyp": []
1503 },
1504 {
1505     "AvserTillfalle": true,
1506     "Benamning": {
1507         "sv": "\u00c4mnestillf\u00e4lle, forskarutbildning",
1508         "en": "Subject instance, doctoral studies"
1509     },
1510     "Beskrivning": {},
1511     "Dolt": false,
1512     "Giltighetsperiod": {},
1513     "Grundtyp": "KURSPAKETERING",
1514     "ID": "101970",
1515     "Kod": "1993FATF",
1516     "LarosateID": -1,
1517     "Regelverk": {
1518         "Regelvarden": [
1519             {
1520                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
1521                 "Uid": "1fa82eec-e80b-11e8-b1f1-65de97d74aa5",
1522                 "Varde": "true"
1523             },
1524             {

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1525         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1526         "Uid": "1fa82eed-e80b-11e8-b1f1-65de97d74aa5",
1527         "Varde": "grupp.for.utsokning.forskarniva"
1528     }
1529 ],
1530     "UId": "1a0ee0cb-f0bc-11e7-b9b4-407caefe466f"
1531 },
1532 "Sorteringsordning": 50,
1533 "StudieordningID": 2,
1534 "TillfalleInomUtbildningstyper": [
1535     101969
1536 ],
1537 "UtbildningstyperInomUtbildningstyp": [
1538     101953,
1539     101968,
1540     101951,
1541     107510,
1542     101955,
1543     101377
1544 ]
1545 },
1546 {
1547     "AvserTillfalle": false,
1548     "Benamning": {
1549         "sv": "Program",
1550         "en": "Programme"
1551     },
1552     "Beskrivning": {},
1553     "Dolt": false,
1554     "Giltighetsperiod": {},
1555     "Grundtyp": "KURSPAKETERING",
1556     "ID": "101971",
1557     "Kod": "FUPPRG",
1558     "LarosateID": -1,
1559     "Regelverk": {
1560         "Regelvarden": [
1561             {
1562                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1563                 "UId": "103685d3-e0df-11ec-bb44-ad608ddd4f32",
1564                 "Varde": "true"
1565             },
1566             {
1567                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1568                 "UId": "103685d1-e0df-11ec-bb44-ad608ddd4f32",
1569                 "Varde": "grupp.for.utsokning.forutbildning"
1570             },
1571             {
1572                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
1573                 "UId": "103685d2-e0df-11ec-bb44-ad608ddd4f32",
1574                 "Varde": "true"

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1576     {
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1578         "Uid": "103685d4-e0df-11ec-bb44-ad608ddd4f32",
1579         "Varde": "true"
1580     }
1581 ],
1582 "Uid": "d1417ad9-a76a-11e6-bc5d-3b8bbccc4a18"
1583 },
1584 "Sorteringsordning": 4,
1585 "StudieordningID": 3,
1586 "TillfalleInomUtbildningstyper": [],
1587 "UtbildningstyperInomUtbildningstyp": [
1588     101973,
1589     22,
1590     101378
1591 ]
1592 },
1593 {
1594     "AvserTillfalle": true,
1595     "Benamning": {
1596         "sv": "Programtillf\u00e4lle",
1597         "en": "Programme instance"
1598     },
1599     "Beskrivning": {},
1600     "Dolt": false,
1601     "Giltighetsperiod": {},
1602     "Grundtyp": "KURSPAKETERING",
1603     "ID": "101972",
1604     "Kod": "FUPPRGTF",
1605     "LarosateID": -1,
1606     "Regelverk": {
1607         "Regelvarden": [
1608             {
1609                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
1610                 "Uid": "1facc717-b804-11ed-8cb2-324fb1124949",
1611                 "Varde": "true"
1612             },
1613             {
1614                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1615                 "Uid": "1facc714-b804-11ed-8cb2-324fb1124949",
1616                 "Varde": "grupp.for.utsokning.forutbildning"
1617             },
1618             {
1619                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1620                 "Uid": "1facc716-b804-11ed-8cb2-324fb1124949",
1621                 "Varde": "true"
1622             },
1623             {
1624                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",

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1625         "Uid": "1facc715-b804-11ed-8cb2-324fb1124949",
1626         "Varde": "true"
1627     },
1628     {
1629         "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
1630         "Uid": "1facc718-b804-11ed-8cb2-324fb1124949",
1631         "Varde": "varning"
1632     }
1633 ],
1634 "UId": "e67221cf-a76a-11e6-bc5d-3b8bbccc4a18"
1635 },
1636 "Sorteringsordning": 50,
1637 "StudieordningID": 3,
1638 "TillfalleInomUtbildningstyper": [
1639     101971
1640 ],
1641 "UtbildningstyperInomUtbildningstyp": [
1642     101973,
1643     52,
1644     22,
1645     101382,
1646     101378,
1647     148155,
1648     101974
1649 ],
1650 },
1651 {
1652     "AvserTillfalle": false,
1653     "Benamning": {
1654         "sv": "Inriktning",
1655         "en": "Specialisation"
1656     },
1657     "Beskrivning": {},
1658     "Dolt": false,
1659     "Giltighetsperiod": {},
1660     "Grundtyp": "KURSPAKETERING",
1661     "ID": "101973",
1662     "Kod": "FUPINR",
1663     "LarosateID": -1,
1664     "Regelverk": {
1665         "Regelvarden": [
1666             {
1667                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
1668                 "UId": "5c401d44-c4d3-11e9-ae13-dc75864a44bd",
1669                 "Varde": "true"
1670             },
1671             {
1672                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1673                 "UId": "5c401d45-c4d3-11e9-ae13-dc75864a44bd",
1674                 "Varde": "true"

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1675     },
1676     {
1677         "Regelnamn": "commons.domain.regel.sjalvstandig",
1678         "Uid": "5c401d46-c4d3-11e9-ae13-dc75864a44bd",
1679         "Varde": "false"
1680     },
1681     {
1682         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1683         "Uid": "5c401d43-c4d3-11e9-ae13-dc75864a44bd",
1684         "Varde": "grupp.for.utsokning.forutbildning"
1685     }
1686 ],
1687 "Uid": "35cbcf80-a76a-11e6-bc5d-3b8bbccc4a18"
1688 },
1689 "Sorteringsordning": 50,
1690 "StudieordningID": 3,
1691 "TillfalleInomUtbildningstyper": [],
1692 "UtbildningstyperInomUtbildningstyp": [
1693     22,
1694     101378
1695 ]
1696 },
1697 {
1698     "AvserTillfalle": true,
1699     "Benamning": {
1700         "sv": "Inriktningstillf\u00e4lle",
1701         "en": "Specialisation instance"
1702     },
1703     "Beskrivning": {},
1704     "Dolt": false,
1705     "Giltighetsperiod": {},
1706     "Grundtyp": "KURSPAKETERING",
1707     "ID": "101974",
1708     "Kod": "FUPINRTF",
1709     "LarosateID": -1,
1710     "Regelverk": {
1711         "Regelvarden": [
1712             {
1713                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1714                 "Uid": "db51a608-c4d5-11e9-ae13-dc75864a44bd",
1715                 "Varde": "grupp.for.utsokning.forutbildning"
1716             },
1717             {
1718                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1719                 "Uid": "db51a60a-c4d5-11e9-ae13-dc75864a44bd",
1720                 "Varde": "true"
1721             },
1722             {
1723                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
1724                 "Uid": "db51a609-c4d5-11e9-ae13-dc75864a44bd",

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1725         "Varde": "true"
1726     }
1727 },
1728     "Uid": "45803524-8d66-11e7-ab6f-ced203c74a20"
1729 },
1730     "Sorteringsordning": 50,
1731     "StudieordningID": 3,
1732     "TillfalleInomUtbildningstyper": [
1733         101973
1734     ],
1735     "UtbildningstyperInomUtbildningstyp": [
1736         52,
1737         22,
1738         101382,
1739         101378
1740     ]
1741 },
1742 {
1743     "AvserTillfalle": false,
1744     "Benamning": {
1745         "sv": "Modul",
1746         "en": "Module"
1747     },
1748     "Beskrivning": {},
1749     "Dolt": false,
1750     "Giltighetsperiod": {},
1751     "Grundtyp": "MODUL",
1752     "ID": "101975",
1753     "Kod": "YHMOD",
1754     "LarosateID": -1,
1755     "Regelverk": {
1756         "Regelvarden": [
1757             {
1758                 "Regelnamn": "commons.domain.regel.informationsbehorighet.yh.utbildning",
1759                 "Uid": "d020fdef-e80a-11e8-b1f1-65de97d74aa5",
1760                 "Varde": "true"
1761             },
1762             {
1763                 "Regelnamn": "commons.domain.regel.versionshanteras",
1764                 "Uid": "d020fdf0-e80a-11e8-b1f1-65de97d74aa5",
1765                 "Varde": "false"
1766             },
1767             {
1768                 "Regelnamn": "commons.domain.regel.sjalvstandig",
1769                 "Uid": "d020fded-e80a-11e8-b1f1-65de97d74aa5",
1770                 "Varde": "false"
1771             },
1772             {
1773                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1774                 "Uid": "d020fdee-e80a-11e8-b1f1-65de97d74aa5",

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1775         "Varde": "grupp.for.utsokning.yhutbildning"
1776     }
1777 ],
1778     "Uid": "39072f3e-a76b-11e6-bc5d-3b8bbccc4a18"
1779 },
1780 "Sorteringsordning": 50,
1781 "StudieordningID": 5,
1782 "TillfalleInomUtbildningstyper": [],
1783 "UtbildningstyperInomUtbildningstyp": []
1784 },
1785 {
1786     "AvserTillfalle": false,
1787     "Benamning": {
1788         "sv": "Modul utan omfattning",
1789         "en": "Module without scope"
1790     },
1791     "Beskrivning": {},
1792     "Dolt": false,
1793     "Giltighetsperiod": {},
1794     "Grundtyp": "MODUL",
1795     "ID": "101976",
1796     "Kod": "FUPMU0",
1797     "LarosateID": -1,
1798     "Regelverk": {
1799         "Regelvarden": [
1800             {
1801                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
1802                 "Uid": "d7c726f6-e80a-11e8-b1f1-65de97d74aa5",
1803                 "Varde": "true"
1804             },
1805             {
1806                 "Regelnamn": "commons.domain.regel.har.omfattning",
1807                 "Uid": "d7c726f7-e80a-11e8-b1f1-65de97d74aa5",
1808                 "Varde": "false"
1809             },
1810             {
1811                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1812                 "Uid": "d7c726f4-e80a-11e8-b1f1-65de97d74aa5",
1813                 "Varde": "true"
1814             },
1815             {
1816                 "Regelnamn": "commons.domain.regel.versionshanteras",
1817                 "Uid": "d7c726f2-e80a-11e8-b1f1-65de97d74aa5",
1818                 "Varde": "false"
1819             },
1820             {
1821                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1822                 "Uid": "d7c726f5-e80a-11e8-b1f1-65de97d74aa5",
1823                 "Varde": "grupp.for.utsokning.forutbildning"
1824             }

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1825         {
1826             "Regelnamn": "commons.domain.regel.sjalvstandig",
1827             "Uid": "d7c726f3-e80a-11e8-b1f1-65de97d74aa5",
1828             "Varde": "false"
1829         }
1830     ],
1831     "Uid": "6afb67bd-a772-11e6-bc5d-3b8bbccc4a18"
1832 },
1833 "Sorteringsordning": 50,
1834 "StudieordningID": 3,
1835 "TillfalleInomUtbildningstyper": [],
1836 "UtbildningstyperInomUtbildningstyp": []
1837 },
1838 {
1839     "AvserTillfalle": false,
1840     "Benamning": {
1841         "sv": "Modul utan omfattning",
1842         "en": "Module without scope"
1843     },
1844     "Beskrivning": {},
1845     "Dolt": false,
1846     "Giltighetsperiod": {},
1847     "Grundtyp": "MODUL",
1848     "ID": "101990",
1849     "Kod": "UPHPMU0",
1850     "LarosateID": -1,
1851     "Regelverk": {
1852         "Regelvarden": [
1853             {
1854                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1855                 "Uid": "dc2eed50-e80a-11e8-b1f1-65de97d74aa5",
1856                 "Varde": "grupp.for.utsokning.uppdraagsutbildning"
1857             },
1858             {
1859                 "Regelnamn": "commons.domain.regel.sjalvstandig",
1860                 "Uid": "dc2eed4d-e80a-11e8-b1f1-65de97d74aa5",
1861                 "Varde": "false"
1862             },
1863             {
1864                 "Regelnamn": "commons.domain.regel.versionshanteras",
1865                 "Uid": "dc2eed52-e80a-11e8-b1f1-65de97d74aa5",
1866                 "Varde": "false"
1867             },
1868             {
1869                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1870                 "Uid": "dc2eed4e-e80a-11e8-b1f1-65de97d74aa5",
1871                 "Varde": "true"
1872             },
1873             {
1874                 "Regelnamn": "commons.domain.regel.har.omfattning",

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1876         "Varde": "false"
1877     },
1878     {
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1880         "Uid": "dc2eed51-e80a-11e8-b1f1-65de97d74aa5",
1881         "Varde": "true"
1882     }
1883 ],
1884 "Uid": "5fcee668-a800-11e6-b02f-d0cc883a47fa"
1885 },
1886 "Sorteringsordning": 50,
1887 "StudieordningID": 17,
1888 "TillfalleInomUtbildningstyper": [],
1889 "UtbildningstyperInomUtbildningstyp": []
1890 },
1891 {
1892     "AvserTillfalle": false,
1893     "Benamning": {
1894         "sv": "Modul",
1895         "en": "Module"
1896     },
1897     "Beskrivning": {},
1898     "Dolt": false,
1899     "Giltighetsperiod": {},
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1901     "ID": "101991",
1902     "Kod": "UPHPMOD",
1903     "LarosateID": -1,
1904     "Regelverk": {
1905         "Regelvarden": [
1906             {
1907                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdragutbildning",
1908                 "Uid": "c7a86966-e80a-11e8-b1f1-65de97d74aa5",
1909                 "Varde": "true"
1910             },
1911             {
1912                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1913                 "Uid": "c7a86969-e80a-11e8-b1f1-65de97d74aa5",
1914                 "Varde": "grupp.for.utsokning.uppdragutbildning"
1915             },
1916             {
1917                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1918                 "Uid": "c7a86968-e80a-11e8-b1f1-65de97d74aa5",
1919                 "Varde": "true"
1920             },
1921             {
1922                 "Regelnamn": "commons.domain.regel.versionshanteras",
1923                 "Uid": "c7a86965-e80a-11e8-b1f1-65de97d74aa5",
1924                 "Varde": "false"

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1926     {
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1928         "Uid": "c7a86967-e80a-11e8-b1f1-65de97d74aa5",
1929         "Varde": "false"
1930     }
1931 ],
1932 "Uid": "855d0160-a800-11e6-b02f-d0cc883a47fa"
1933 },
1934 "Sorteringsordning": 50,
1935 "StudieordningID": 17,
1936 "TillfalleInomUtbildningstyper": [],
1937 "UtbildningstyperInomUtbildningstyp": []
1938 },
1939 {
1940     "AvserTillfalle": false,
1941     "Benamning": {
1942         "sv": "Kurs, grundniv\u00e5",
1943         "en": "Course, First-cycle"
1944     },
1945     "Beskrivning": {},
1946     "Dolt": false,
1947     "Giltighetsperiod": {},
1948     "Grundtyp": "KURS",
1949     "ID": "101992",
1950     "Kod": "UPHPGKURS",
1951     "LarosateID": -1,
1952     "NivaInomStudieordningID": 1,
1953     "Regelverk": {
1954         "Regelvarden": [
1955             {
1956                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
1957                 "Uid": "e3e124f9-e0dd-11ec-bb44-ad608ddd4f32",
1958                 "Varde": "true"
1959             },
1960             {
1961                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdagsutbildning",
1962                 "Uid": "e3e124f5-e0dd-11ec-bb44-ad608ddd4f32",
1963                 "Varde": "true"
1964             },
1965             {
1966                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
1967                 "Uid": "e3dfc563-e0dd-11ec-bb44-ad608ddd4f32",
1968                 "Varde": "grupp.for.utsokning.uppdagsutbildning"
1969             },
1970             {
1971                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
1972                 "Uid": "e3e124f6-e0dd-11ec-bb44-ad608ddd4f32",
1973                 "Varde": "true"
1974             }

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1975     {
1976       "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
1977       "Uid": "e3e124f8-e0dd-11ec-bb44-ad608ddd4f32",
1978       "Varde": "true"
1979     },
1980     {
1981       "Regelnamn": "commons.domain.regel.avbrottsregel",
1982       "Uid": "e3e124f7-e0dd-11ec-bb44-ad608ddd4f32",
1983       "Varde": "20"
1984     }
1985   ],
1986   "Uid": "ce0f1517-a800-11e6-b02f-d0cc883a47fa"
1987 },
1988 "Sorteringsordning": 1,
1989 "StudieordningID": 17,
1990 "TillfalleInomUtbildningstyper": [],
1991 "UtbildningstyperInomUtbildningstyp": [
1992   101990,
1993   101991
1994 ]
1995 },
1996 {
1997   "AvserTillfalle": true,
1998   "Benamning": {
1999     "sv": "Kurstillf\u00e4lle",
2000     "en": "Course instance"
2001   },
2002   "Beskrivning": {},
2003   "Dolt": false,
2004   "Giltighetsperiod": {},
2005   "Grundtyp": "KURS",
2006   "ID": "102008",
2007   "Kod": "UPVKTF",
2008   "LarosateID": -1,
2009   "Regelverk": {
2010     "Regelvarden": [
2011       {
2012         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2013         "Uid": "9ec00008-e80a-11e8-b1f1-65de97d74aa5",
2014         "Varde": "true"
2015       },
2016       {
2017         "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdragsutbildning",
2018         "Uid": "9ec00007-e80a-11e8-b1f1-65de97d74aa5",
2019         "Varde": "true"
2020       },
2021       {
2022         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2023         "Uid": "9ec00009-e80a-11e8-b1f1-65de97d74aa5",
2024         "Varde": "grupp.for.utsokning.uppdragsutbildning"

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2025         }
2026     ],
2027     "UId": "6f0b0b5c-af18-11e7-8754-a9e730464be6"
2028 },
2029 "Sorteringsordning": 50,
2030 "StudieordningID": 18,
2031 "TillfalleInomUtbildningstyper": [
2032     102006
2033 ],
2034 "UtbildningstyperInomUtbildningstyp": []
2035 },
2036 {
2037     "AvserTillfalle": false,
2038     "Benamning": {
2039         "sv": "Kurs",
2040         "en": "Course"
2041     },
2042     "Beskrivning": {},
2043     "Dolt": false,
2044     "Giltighetsperiod": {},
2045     "Grundtyp": "KURS",
2046     "ID": "102009",
2047     "Kod": "FUVKURS",
2048     "LarosateID": -1,
2049     "Regelverk": {
2050         "Regelvarden": [
2051             {
2052                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2053                 "UId": "9e8c030e-e0de-11ec-bb44-ad608ddd4f32",
2054                 "Varde": "true"
2055             },
2056             {
2057                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2058                 "UId": "9e8c030a-e0de-11ec-bb44-ad608ddd4f32",
2059                 "Varde": "grupp.for.utsokning.forutbildning"
2060             },
2061             {
2062                 "Regelnamn": "commons.domain.regel.avbrottsregel",
2063                 "UId": "9e8c030d-e0de-11ec-bb44-ad608ddd4f32",
2064                 "Varde": "20"
2065             },
2066             {
2067                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
2068                 "UId": "9e8c030b-e0de-11ec-bb44-ad608ddd4f32",
2069                 "Varde": "true"
2070             },
2071             {
2072                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2073                 "UId": "9e8c030f-e0de-11ec-bb44-ad608ddd4f32",
2074                 "Varde": "true"

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2076     {
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2078         "Uid": "9e8c030c-e0de-11ec-bb44-ad608ddd4f32",
2079         "Varde": "true"
2080     }
2081 ],
2082 "Uid": "488fcae8-ec5f-11e6-8a84-352cf9f6431e"
2083 },
2084 "Sorteringsordning": 1,
2085 "StudieordningID": 4,
2086 "TillfalleInomUtbildningstyper": [],
2087 "UtbildningstyperInomUtbildningstyp": [
2088     102010
2089 ]
2090 },
2091 {
2092     "AvserTillfalle": false,
2093     "Benamning": {
2094         "sv": "Modul",
2095         "en": "Module"
2096     },
2097     "Beskrivning": {},
2098     "Dolt": false,
2099     "Giltighetsperiod": {},
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2101     "ID": "102010",
2102     "Kod": "FUVMOD",
2103     "LarosateID": -1,
2104     "Regelverk": {
2105         "Regelvarden": [
2106             {
2107                 "Regelnamn": "commons.domain.regel.versionshanteras",
2108                 "Uid": "bb63d924-e80a-11e8-b1f1-65de97d74aa5",
2109                 "Varde": "false"
2110             },
2111             {
2112                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2113                 "Uid": "bb63d926-e80a-11e8-b1f1-65de97d74aa5",
2114                 "Varde": "true"
2115             },
2116             {
2117                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
2118                 "Uid": "bb63d925-e80a-11e8-b1f1-65de97d74aa5",
2119                 "Varde": "true"
2120             },
2121             {
2122                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2123                 "Uid": "bb63d927-e80a-11e8-b1f1-65de97d74aa5",
2124                 "Varde": "grupp.for.utsokning.forutbildning"

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2126     {
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2128         "Uid": "bb63d928-e80a-11e8-b1f1-65de97d74aa5",
2129         "Varde": "false"
2130     }
2131 ],
2132 "Uid": "0215985a-a823-11e6-b02f-d0cc883a47fa"
2133 },
2134 "Sorteringsordning": 50,
2135 "StudieordningID": 4,
2136 "TillfalleInomUtbildningstyper": [],
2137 "UtbildningstyperInomUtbildningstyp": []
2138 },
2139 {
2140     "AvserTillfalle": true,
2141     "Benamning": {
2142         "sv": "Kurstillf\u00e4lle",
2143         "en": "Course instance"
2144     },
2145     "Beskrivning": {},
2146     "Dolt": false,
2147     "Giltighetsperiod": {},
2148     "Grundtyp": "KURS",
2149     "ID": "102011",
2150     "Kod": "FUVKTF",
2151     "LarosateID": -1,
2152     "Regelverk": {
2153         "Regelvarden": [
2154             {
2155                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2156                 "Uid": "77201ba8-e80a-11e8-b1f1-65de97d74aa5",
2157                 "Varde": "true"
2158             },
2159             {
2160                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2161                 "Uid": "77201ba9-e80a-11e8-b1f1-65de97d74aa5",
2162                 "Varde": "grupp.for.utsokning.forutbildning"
2163             },
2164             {
2165                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
2166                 "Uid": "77201baa-e80a-11e8-b1f1-65de97d74aa5",
2167                 "Varde": "true"
2168             },
2169             {
2170                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
2171                 "Uid": "77201bab-e80a-11e8-b1f1-65de97d74aa5",
2172                 "Varde": "true"
2173             }
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2175         "Uid": "005ec80f-4c22-11e7-8c70-788c557b416a"
2176     },
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2178     "StudieordningID": 4,
2179     "TillfalleInomUtbildningstyper": [
2180         102009
2181     ],
2182     "UtbildningstyperInomUtbildningstyp": []
2183 },
2184 {
2185     "AvserTillfalle": false,
2186     "Benamning": {
2187         "sv": "Kurs",
2188         "en": "Course"
2189     },
2190     "Beskrivning": {},
2191     "Dolt": false,
2192     "Giltighetsperiod": {},
2193     "Grundtyp": "KURS",
2194     "ID": "102012",
2195     "Kod": "KYKURS",
2196     "LarosateID": -1,
2197     "Regelverk": {
2198         "Regelvarden": [],
2199         "Uid": "8986f48b-ec5f-11e6-8a84-352cf9f6431e"
2200     },
2201     "Sorteringsordning": 1,
2202     "StudieordningID": 13,
2203     "TillfalleInomUtbildningstyper": [],
2204     "UtbildningstyperInomUtbildningstyp": [
2205         102013
2206     ]
2207 },
2208 {
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2211         "sv": "Modul",
2212         "en": "Module"
2213     },
2214     "Beskrivning": {},
2215     "Dolt": false,
2216     "Giltighetsperiod": {},
2217     "Grundtyp": "MODUL",
2218     "ID": "102013",
2219     "Kod": "KYM0D",
2220     "LarosateID": -1,
2221     "Regelverk": {
2222         "Regelvarden": [
2223             {
2224                 "Regelnamn": "commons.domain.regel.sjalvstandig",

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2225         "Uid": "be23205d-e80a-11e8-b1f1-65de97d74aa5",
2226         "Varde": "false"
2227     },
2228     {
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2230         "Uid": "be23205e-e80a-11e8-b1f1-65de97d74aa5",
2231         "Varde": "false"
2232     }
2233 ],
2234     "Uid": "95ec339a-a825-11e6-b02f-d0cc883a47fa"
2235 },
2236 "Sorteringsordning": 50,
2237 "StudieordningID": 13,
2238 "TillfalleInomUtbildningstyper": [],
2239 "UtbildningstyperInomUtbildningstyp": []
2240 },
2241 {
2242     "AvserTillfalle": true,
2243     "Benamning": {
2244         "sv": "Kurstillf\u00e4lle",
2245         "en": "Course instance"
2246     },
2247     "Beskrivning": {},
2248     "Dolt": false,
2249     "Giltighetsperiod": {},
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2251     "ID": "102014",
2252     "Kod": "KYKTF",
2253     "LarosateID": -1,
2254     "Regelverk": {
2255         "Regelvarde": [],
2256         "Uid": "7c3eafcf-e80a-11e8-b1f1-65de97d74aa5"
2257     },
2258     "Sorteringsordning": 50,
2259     "StudieordningID": 13,
2260     "TillfalleInomUtbildningstyper": [
2261         102012
2262     ],
2263     "UtbildningstyperInomUtbildningstyp": []
2264 },
2265 {
2266     "AvserTillfalle": false,
2267     "Benamning": {
2268         "sv": "Program",
2269         "en": "Programme"
2270     },
2271     "Beskrivning": {},
2272     "Dolt": false,
2273     "Giltighetsperiod": {},
2274     "Grundtyp": "KURSPAKETERING",

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2276     "Kod": "POLISPRG",
2277     "LarosateID": -1,
2278     "Regelverk": {
2279         "Regelvarden": [
2280             {
2281                 "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2282                 "Uid": "6755a377-e80b-11e8-b1f1-65de97d74aa5",
2283                 "Varde": "true"
2284             },
2285             {
2286                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2287                 "Uid": "6755a376-e80b-11e8-b1f1-65de97d74aa5",
2288                 "Varde": "grupp.for.utsokning.polisutbildning"
2289             }
2290         ],
2291         "Uid": "d204dab3-99f5-11e7-953e-c08a46b0419e"
2292     },
2293     "Sorteringsordning": 2,
2294     "StudieordningID": 109831,
2295     "TillfalleInomUtbildningstyper": [],
2296     "UtbildningstyperInomUtbildningstyp": [
2297         138692,
2298         109972,
2299         138693
2300     ]
2301 },
2302 {
2303     "AvserTillfalle": false,
2304     "Benamning": {
2305         "sv": "Modul",
2306         "en": "Module"
2307     },
2308     "Beskrivning": {},
2309     "Dolt": false,
2310     "Giltighetsperiod": {},
2311     "Grundtyp": "MODUL",
2312     "ID": "109971",
2313     "Kod": "POLISMOD",
2314     "LarosateID": -1,
2315     "Regelverk": {
2316         "Regelvarden": [
2317             {
2318                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2319                 "Uid": "c07770b6-e80a-11e8-b1f1-65de97d74aa5",
2320                 "Varde": "grupp.for.utsokning.polisutbildning"
2321             },
2322             {
2323                 "Regelnamn": "commons.domain.regel.sjalvstandig",
2324                 "Uid": "c07770b4-e80a-11e8-b1f1-65de97d74aa5",

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2325         "Varde": "false"
2326     },
2327     {
2328         "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2329         "Uid": "c07770b7-e80a-11e8-b1f1-65de97d74aa5",
2330         "Varde": "true"
2331     },
2332     {
2333         "Regelnamn": "commons.domain.regel.versionshanteras",
2334         "Uid": "c07770b5-e80a-11e8-b1f1-65de97d74aa5",
2335         "Varde": "false"
2336     }
2337 ],
2338 "Uid": "ff6cb13c-99f5-11e7-953e-c08a46b0419e"
2339 },
2340 "Sorteringsordning": 50,
2341 "StudieordningID": 109831,
2342 "TillfalleInomUtbildningstyper": [],
2343 "UtbildningstyperInomUtbildningstyp": []
2344 },
2345 {
2346     "AvserTillfalle": false,
2347     "Benamning": {
2348         "sv": "Kurs",
2349         "en": "Course"
2350     },
2351     "Beskrivning": {},
2352     "Dolt": false,
2353     "Giltighetsperiod": {},
2354     "Grundtyp": "KURS",
2355     "ID": "109972",
2356     "Kod": "POLISKURS",
2357     "LarosateID": -1,
2358     "Regelverk": {
2359         "Regelvarden": [
2360             {
2361                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2362                 "Uid": "3d07104d-e80a-11e8-b1f1-65de97d74aa5",
2363                 "Varde": "grupp.for.utsokning.polisutbildning"
2364             },
2365             {
2366                 "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2367                 "Uid": "3d07104e-e80a-11e8-b1f1-65de97d74aa5",
2368                 "Varde": "true"
2369             }
2370         ],
2371         "Uid": "239a527a-99f6-11e7-953e-c08a46b0419e"
2372     },
2373     "Sorteringsordning": 1,
2374     "StudieordningID": 109831,

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2375     "TillfalleInomUtbildningstyper": [],
2376     "UtbildningstyperInomUtbildningstyp": [
2377         109971
2378     ],
2379 },
2380 {
2381     "AvserTillfalle": true,
2382     "Benamning": {
2383         "sv": "Kurstillf\u00e4lle",
2384         "en": "Course instance"
2385     },
2386     "Beskrivning": {},
2387     "Dolt": false,
2388     "Giltighetsperiod": {},
2389     "Grundtyp": "KURS",
2390     "ID": "109973",
2391     "Kod": "POLISKTF",
2392     "LarosateID": -1,
2393     "Regelverk": {
2394         "Regelvarden": [
2395             {
2396                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2397                 "Uid": "7fd914b9-e80a-11e8-b1f1-65de97d74aa5",
2398                 "Varde": "grupp.for.utsokning.polisutbildning"
2399             },
2400             {
2401                 "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2402                 "Uid": "7fd914b8-e80a-11e8-b1f1-65de97d74aa5",
2403                 "Varde": "true"
2404             }
2405         ],
2406         "Uid": "4eb5ef4d-99f6-11e7-953e-c08a46b0419e"
2407     },
2408     "Sorteringsordning": 50,
2409     "StudieordningID": 109831,
2410     "TillfalleInomUtbildningstyper": [
2411         109972
2412     ],
2413     "UtbildningstyperInomUtbildningstyp": []
2414 },
2415 {
2416     "AvserTillfalle": true,
2417     "Benamning": {
2418         "sv": "Programtillf\u00e4lle",
2419         "en": "Programme instance"
2420     },
2421     "Beskrivning": {},
2422     "Dolt": false,
2423     "Giltighetsperiod": {},
2424     "Grundtyp": "KURSPAKETERING",

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2425     "ID": "109974",
2426     "Kod": "POLISPRGTF",
2427     "LarosateID": -1,
2428     "Regelverk": {
2429         "Regelvarden": [
2430             {
2431                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2432                 "UId": "5266e7a1-e80b-11e8-b1f1-65de97d74aa5",
2433                 "Varde": "grupp.for.utsokning.polisutbildning"
2434             },
2435             {
2436                 "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2437                 "UId": "5266e7a2-e80b-11e8-b1f1-65de97d74aa5",
2438                 "Varde": "true"
2439             }
2440         ],
2441         "UId": "9d3c5242-99f6-11e7-953e-c08a46b0419e"
2442     },
2443     "Sorteringsordning": 50,
2444     "StudieordningID": 109831,
2445     "TillfalleInomUtbildningstyper": [
2446         109970
2447     ],
2448     "UtbildningstyperInomUtbildningstyp": [
2449         138696,
2450         138692,
2451         109972,
2452         138693,
2453         109973
2454     ]
2455 },
2456 {
2457     "AvserTillfalle": false,
2458     "Benamning": {
2459         "sv": "YH-utbildning",
2460         "en": "HVE programme"
2461     },
2462     "Beskrivning": {},
2463     "Dolt": false,
2464     "Giltighetsperiod": {},
2465     "Grundtyp": "KURSPAKETERING",
2466     "ID": "109977",
2467     "Kod": "YHUTB",
2468     "LarosateID": -1,
2469     "Regelverk": {
2470         "Regelvarden": [
2471             {
2472                 "Regelnamn": "commons.domain.regel.informationsbehorighet.yh.utbildning",
2473                 "UId": "c275b3cc-c654-11ee-babe-c910fc24407b",
2474                 "Varde": "true"

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2475     },
2476     {
2477         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2478         "Uid": "c275b3cd-c654-11ee-babe-c910fc24407b",
2479         "Varde": "true"
2480     },
2481     {
2482         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2483         "Uid": "c2758cbb-c654-11ee-babe-c910fc24407b",
2484         "Varde": "grupp.for.utsokning.yhutbildning"
2485     }
2486 ],
2487 "Uid": "bf8f10c4-99f9-11e7-953e-c08a46b0419e"
2488 },
2489 "Sorteringsordning": 2,
2490 "StudieordningID": 5,
2491 "TillfalleInomUtbildningstyper": [],
2492 "UtbildningstyperInomUtbildningstyp": [
2493     109978
2494 ]
2495 },
2496 {
2497     "AvserTillfalle": false,
2498     "Benamning": {
2499         "sv": "Kurs",
2500         "en": "Course"
2501     },
2502     "Beskrivning": {},
2503     "Dolt": false,
2504     "Giltighetsperiod": {},
2505     "Grundtyp": "KURS",
2506     "ID": "109978",
2507     "Kod": "YHKURS",
2508     "LarosateID": -1,
2509     "Regelverk": {
2510         "Regelvarden": [
2511             {
2512                 "Regelnamn": "commons.domain.regel.informationsbehorighet.yh.utbildning",
2513                 "Uid": "dcc87040-c654-11ee-babe-c910fc24407b",
2514                 "Varde": "true"
2515             },
2516             {
2517                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2518                 "Uid": "dcc87041-c654-11ee-babe-c910fc24407b",
2519                 "Varde": "true"
2520             },
2521             {
2522                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2523                 "Uid": "dcc8703f-c654-11ee-babe-c910fc24407b",
2524                 "Varde": "grupp.for.utsokning.yhutbildning"

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2525     }
2526   ],
2527   "UId": "e29ee521-99f9-11e7-953e-c08a46b0419e"
2528 },
2529 "Sorteringsordning": 1,
2530 "StudieordningID": 5,
2531 "TillfalleInomUtbildningstyper": [],
2532 "UtbildningstyperInomUtbildningstyp": [
2533   101975
2534 ]
2535 },
2536 {
2537   "AvserTillfalle": false,
2538   "Benamning": {
2539     "sv": "Kurs",
2540     "en": "Course"
2541   },
2542   "Beskrivning": {},
2543   "Dolt": false,
2544   "Giltighetsperiod": {},
2545   "Grundtyp": "KURS",
2546   "ID": "122030",
2547   "Kod": "HIKURS",
2548   "LarosateID": -1,
2549   "Regelverk": {
2550     "Regelvarden": [],
2551     "UId": "668b14f0-0998-11e8-81a6-df2234b3409c"
2552   },
2553   "Sorteringsordning": 50,
2554   "StudieordningID": 15,
2555   "TillfalleInomUtbildningstyper": [],
2556   "UtbildningstyperInomUtbildningstyp": []
2557 },
2558 {
2559   "AvserTillfalle": true,
2560   "Benamning": {
2561     "sv": "Kurstillf\u00e4lle",
2562     "en": "Course instance"
2563   },
2564   "Beskrivning": {},
2565   "Dolt": false,
2566   "Giltighetsperiod": {},
2567   "Grundtyp": "KURS",
2568   "ID": "122031",
2569   "Kod": "HIKTF",
2570   "LarosateID": -1,
2571   "Regelverk": {
2572     "Regelvarden": [],
2573     "UId": "adbb1d5a-0998-11e8-81a6-df2234b3409c"
2574   },

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2575     "Sorteringsordning": 50,
2576     "StudieordningID": 15,
2577     "TillfalleInomUtbildningstyper": [
2578         122030
2579     ],
2580     "UtbildningstyperInomUtbildningstyp": []
2581 },
2582 {
2583     "AvserTillfalle": true,
2584     "Benamning": {
2585         "sv": "Individuellt kurstillf\u00e4lle, grundutbildning",
2586         "en": "Individual course instance, Undergraduate"
2587     },
2588     "Beskrivning": {},
2589     "Dolt": false,
2590     "Giltighetsperiod": {},
2591     "Grundtyp": "KURS",
2592     "ID": "138460",
2593     "Kod": "1993GIKTF",
2594     "LarosateID": -1,
2595     "Regelverk": {
2596         "Regelvarden": [
2597             {
2598                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
2599                 "Uid": "f607b4ed-e809-11e8-b1f1-65de97d74aa5",
2600                 "Varde": "true"
2601             },
2602             {
2603                 "Regelnamn": "commons.domain.regel.individuell",
2604                 "Uid": "f607b4ee-e809-11e8-b1f1-65de97d74aa5",
2605                 "Varde": "true"
2606             }
2607         ],
2608         "Uid": "c95778a4-cbfc-11e8-9d78-2c6264424f58"
2609     },
2610     "Sorteringsordning": 50,
2611     "StudieordningID": 2,
2612     "TillfalleInomUtbildningstyper": [
2613         101370
2614     ],
2615     "UtbildningstyperInomUtbildningstyp": []
2616 },
2617 {
2618     "AvserTillfalle": true,
2619     "Benamning": {
2620         "sv": "Individuellt kurstillf\u00e4lle, forskarutbildning",
2621         "en": "Individual course instance, doctoral studies"
2622     },
2623     "Beskrivning": {},
2624     "Dolt": false,

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2625     "Giltighetsperiod": {},
2626     "Grundtyp": "KURS",
2627     "ID": "138461",
2628     "Kod": "1993FIKTF",
2629     "LarosateID": -1,
2630     "Regelverk": {
2631         "Regelvarden": [
2632             {
2633                 "Regelnamn": "commons.domain.regel.individuell",
2634                 "Uid": "f3e0685e-e809-11e8-b1f1-65de97d74aa5",
2635                 "Varde": "true"
2636             }
2637         ],
2638         "Uid": "244e849e-cbfd-11e8-9d78-2c6264424f58"
2639     },
2640     "Sorteringsordning": 50,
2641     "StudieordningID": 2,
2642     "TillfalleInomUtbildningstyper": [
2643         101967
2644     ],
2645     "UtbildningstyperInomUtbildningstyp": []
2646 },
2647 {
2648     "AvserTillfalle": false,
2649     "Benamning": {
2650         "sv": "Kurs, grundniv\u00e5",
2651         "en": "Course, First-cycle"
2652     },
2653     "Beskrivning": {},
2654     "Dolt": false,
2655     "Giltighetsperiod": {},
2656     "Grundtyp": "KURS",
2657     "ID": "138692",
2658     "Kod": "PU18GKURS",
2659     "LarosateID": -1,
2660     "NivaInomStudieordningID": 1,
2661     "Regelverk": {
2662         "Regelvarden": [
2663             {
2664                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2665                 "Uid": "2f63220c-180a-11ef-97a4-423019c54f2d",
2666                 "Varde": "grupp.for.utsokning.polisutbildning"
2667             },
2668             {
2669                 "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2670                 "Uid": "2f63220d-180a-11ef-97a4-423019c54f2d",
2671                 "Varde": "true"
2672             },
2673             {
2674                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",

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2675         "Uid": "2f63220e-180a-11ef-97a4-423019c54f2d",
2676         "Varde": "true"
2677     },
2678     {
2679         "Regelnamn": "commons.domain.regel.avbrottsregel",
2680         "Uid": "2f632211-180a-11ef-97a4-423019c54f2d",
2681         "Varde": "20"
2682     },
2683     {
2684         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2685         "Uid": "2f632210-180a-11ef-97a4-423019c54f2d",
2686         "Varde": "true"
2687     },
2688     {
2689         "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
2690         "Uid": "2f62fafa-180a-11ef-97a4-423019c54f2d",
2691         "Varde": "true"
2692     },
2693     {
2694         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2695         "Uid": "2f63220f-180a-11ef-97a4-423019c54f2d",
2696         "Varde": "true"
2697     }
2698 ],
2699 "Uid": "2461ec5e-d6fc-11e8-9ff0-687a8474457e"
2700 },
2701 "Sorteringsordning": 1,
2702 "StudieordningID": 135370,
2703 "TillfalleInomUtbildningstyper": [],
2704 "UtbildningstyperInomUtbildningstyp": [
2705     138695,
2706     138694
2707 ]
2708 },
2709 {
2710     "AvserTillfalle": false,
2711     "Benamning": {
2712         "sv": "Kurs, avancerad niv\u00e5",
2713         "en": "Course, Second-cycle"
2714     },
2715     "Beskrivning": {},
2716     "Dolt": false,
2717     "Giltighetsperiod": {},
2718     "Grundtyp": "KURS",
2719     "ID": "138693",
2720     "Kod": "PU18AKURS",
2721     "LarosateID": -1,
2722     "NivaInomStudieordningID": 2,
2723     "Regelverk": {
2724         "Regelvarden": [

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2725     {
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2727       "Uid": "41ad49fc-180a-11ef-97a4-423019c54f2d",
2728       "Varde": "grupp.for.utsokning.polisutbildning"
2729     },
2730     {
2731       "Regelnamn": "commons.domain.regel.krav_modul_for_status_komplett",
2732       "Uid": "41ad49fb-180a-11ef-97a4-423019c54f2d",
2733       "Varde": "true"
2734     },
2735     {
2736       "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2737       "Uid": "41ad49fd-180a-11ef-97a4-423019c54f2d",
2738       "Varde": "true"
2739     },
2740     {
2741       "Regelnamn": "commons.domain.regel.avbrottsregel",
2742       "Uid": "41ad4a01-180a-11ef-97a4-423019c54f2d",
2743       "Varde": "20"
2744     },
2745     {
2746       "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
2747       "Uid": "41ad4a00-180a-11ef-97a4-423019c54f2d",
2748       "Varde": "true"
2749     },
2750     {
2751       "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2752       "Uid": "41ad49fe-180a-11ef-97a4-423019c54f2d",
2753       "Varde": "true"
2754     },
2755     {
2756       "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2757       "Uid": "41ad49ff-180a-11ef-97a4-423019c54f2d",
2758       "Varde": "true"
2759     }
2760   ],
2761   "Uid": "f7dd53a1-d6fc-11e8-9ff0-687a8474457e"
2762 },
2763 "Sorteringsordning": 2,
2764 "StudieordningID": 135370,
2765 "TillfalleInomUtbildningstyper": [],
2766 "UtbildningstyperInomUtbildningstyp": [
2767   138695,
2768   138694
2769 ]
2770 },
2771 {
2772   "AvserTillfalle": false,
2773   "Benamning": {
2774     "sv": "Modul",

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2775     "en": "Module"
2776 },
2777 "Beskrivning": {},
2778 "Dolt": false,
2779 "Giltighetsperiod": {},
2780 "Grundtyp": "MODUL",
2781 "ID": "138694",
2782 "Kod": "PU18MOD",
2783 "LarosateID": -1,
2784 "Regelverk": {
2785     "Regelvarden": [
2786         {
2787             "Regelnamn": "commons.domain.regel.versionshanteras",
2788             "UId": "81bed98e-8360-11ec-b5c0-b03dbaf5459c",
2789             "Varde": "false"
2790         },
2791         {
2792             "Regelnamn": "commons.domain.regel.sjalvstandig",
2793             "UId": "81bed98d-8360-11ec-b5c0-b03dbaf5459c",
2794             "Varde": "false"
2795         },
2796         {
2797             "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2798             "UId": "81bed98a-8360-11ec-b5c0-b03dbaf5459c",
2799             "Varde": "grupp.for.utsokning.polisutbildning"
2800         },
2801         {
2802             "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2803             "UId": "81bed98c-8360-11ec-b5c0-b03dbaf5459c",
2804             "Varde": "true"
2805         },
2806         {
2807             "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
2808             "UId": "81bed98b-8360-11ec-b5c0-b03dbaf5459c",
2809             "Varde": "true"
2810         }
2811     ],
2812     "UId": "a7048a60-d6fe-11e8-9ff0-687a8474457e"
2813 },
2814 "Sorteringsordning": 50,
2815 "StudieordningID": 135370,
2816 "TillfalleInomUtbildningstyper": [],
2817 "UtbildningstyperInomUtbildningstyp": []
2818 },
2819 {
2820     "AvserTillfalle": false,
2821     "Benamning": {
2822         "sv": "Kurs",
2823         "en": "Course"
2824     },

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2825     "Beskrivning": {},
2826     "Dolt": false,
2827     "Giltighetsperiod": {},
2828     "Grundtyp": "KURS",
2829     "ID": "161486",
2830     "Kod": "PISKURS",
2831     "LarosateID": -1,
2832     "Regelverk": {
2833       "Regelvarden": [
2834         {
2835           "Regelnamn": "commons.domain.regel.har.omfattning",
2836           "Uid": "9147212c-edeb-11ef-827b-ee188a544698",
2837           "Varde": "true"
2838         },
2839         {
2840           "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
2841           "Uid": "9147212a-edeb-11ef-827b-ee188a544698",
2842           "Varde": "true"
2843         },
2844         {
2845           "Regelnamn": "commons.domain.regel.versionshanteras",
2846           "Uid": "9147212b-edeb-11ef-827b-ee188a544698",
2847           "Varde": "true"
2848         },
2849         {
2850           "Regelnamn": "commons.domain.regel.avbrottsregel",
2851           "Uid": "9147212d-edeb-11ef-827b-ee188a544698",
2852           "Varde": "15"
2853         }
2854       ],
2855       "Uid": "5d93f8fe-e879-11ef-870b-0958b8b64637"
2856     },
2857     "Sorteringsordning": 50,
2858     "StudieordningID": 161480,
2859     "TillfalleInomUtbildningstyper": [],
2860     "UtbildningstyperInomUtbildningstyp": [
2861       161528,
2862       161487
2863     ]
2864   },
2865   {
2866     "AvserTillfalle": false,
2867     "Benamning": {
2868       "sv": "Modul utan omfattning",
2869       "en": "Module without scope"
2870     },
2871     "Beskrivning": {},
2872     "Dolt": false,
2873     "Giltighetsperiod": {},
2874     "Grundtyp": "MODUL",

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2875     "ID": "161487",
2876     "Kod": "PISMU0",
2877     "LarosateID": -1,
2878     "Regelverk": {
2879         "Regelvarden": [
2880             {
2881                 "Regelnamn": "commons.domain.regel.har.omfattning",
2882                 "UId": "af65b621-e879-11ef-870b-0958b8b64637",
2883                 "Varde": "false"
2884             },
2885             {
2886                 "Regelnamn": "commons.domain.regel.sjalvstandig",
2887                 "UId": "af65b620-e879-11ef-870b-0958b8b64637",
2888                 "Varde": "false"
2889             },
2890             {
2891                 "Regelnamn": "commons.domain.regel.versionshanteras",
2892                 "UId": "af65b61f-e879-11ef-870b-0958b8b64637",
2893                 "Varde": "false"
2894             }
2895         ],
2896         "UId": "af65b61e-e879-11ef-870b-0958b8b64637"
2897     },
2898     "Sorteringsordning": 50,
2899     "StudieordningID": 161480,
2900     "TillfalleInomUtbildningstyper": [],
2901     "UtbildningstyperInomUtbildningstyp": []
2902 },
2903 {
2904     "AvserTillfalle": true,
2905     "Benamning": {
2906         "sv": "Kurstillf\u00e4lle",
2907         "en": "Course instance"
2908     },
2909     "Beskrivning": {},
2910     "Dolt": false,
2911     "Giltighetsperiod": {},
2912     "Grundtyp": "KURS",
2913     "ID": "161488",
2914     "Kod": "PISKTF",
2915     "LarosateID": -1,
2916     "Regelverk": {
2917         "Regelvarden": [],
2918         "UId": "fb3b5073-e879-11ef-870b-0958b8b64637"
2919     },
2920     "Sorteringsordning": 50,
2921     "StudieordningID": 161480,
2922     "TillfalleInomUtbildningstyper": [
2923         161486
2924     ],

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2925     "UtbildningstyperInomUtbildningstyp": []
2926 },
2927 {
2928     "AvserTillfalle": false,
2929     "Benamning": {
2930         "sv": "Modul",
2931         "en": "Module"
2932     },
2933     "Beskrivning": {},
2934     "Dolt": false,
2935     "Giltighetsperiod": {},
2936     "Grundtyp": "MODUL",
2937     "ID": "161528",
2938     "Kod": "PISMOD",
2939     "LarosateID": -1,
2940     "Regelverk": {
2941         "Regelvarden": [
2942             {
2943                 "Regelnamn": "commons.domain.regel.har.omfattning",
2944                 "Uid": "82a162e8-eddb-11ef-827b-ee188a544698",
2945                 "Varde": "true"
2946             },
2947             {
2948                 "Regelnamn": "commons.domain.regel.sjalvstandig",
2949                 "Uid": "82a162e7-eddb-11ef-827b-ee188a544698",
2950                 "Varde": "false"
2951             },
2952             {
2953                 "Regelnamn": "commons.domain.regel.versionshanteras",
2954                 "Uid": "82a114c6-eddb-11ef-827b-ee188a544698",
2955                 "Varde": "false"
2956             }
2957         ],
2958         "Uid": "82a114c5-eddb-11ef-827b-ee188a544698"
2959     },
2960     "Sorteringsordning": 50,
2961     "StudieordningID": 161480,
2962     "TillfalleInomUtbildningstyper": [],
2963     "UtbildningstyperInomUtbildningstyp": []
2964 },
2965 {
2966     "AvserTillfalle": true,
2967     "Benamning": {
2968         "sv": "Programtillf\u00e4lle",
2969         "en": "Programme instance"
2970     },
2971     "Beskrivning": {},
2972     "Dolt": false,
2973     "Giltighetsperiod": {},
2974     "Grundtyp": "KURSPAKETERING",

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2975     "ID": "101373",
2976     "Kod": "1993PRGTF",
2977     "LarosateID": -1,
2978     "Regelverk": {
2979         "Regelvarden": [
2980             {
2981                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
2982                 "Uid": "9a63cc2b-1a53-11e9-beb8-23b395e64549",
2983                 "Varde": "grupp.for.utsokning.grundavanceradniva"
2984             },
2985             {
2986                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
2987                 "Uid": "9a63a51a-1a53-11e9-beb8-23b395e64549",
2988                 "Varde": "true"
2989             }
2990         ],
2991         "Uid": "2fb0819c-0ae3-11e7-9666-bc4d0f6c4981"
2992     },
2993     "Sorteringsordning": 50,
2994     "StudieordningID": 2,
2995     "TillfalleInomUtbildningstyper": [
2996         101372
2997     ],
2998     "UtbildningstyperInomUtbildningstyp": [
2999         101374,
3000         105632,
3001         52,
3002         101382,
3003         101381,
3004         138460,
3005         101961
3006     ]
3007 },
3008 {
3009     "AvserTillfalle": true,
3010     "Benamning": {
3011         "sv": "Kurstillf\u00e4lle, grundutbildning",
3012         "en": "Course instance, Undergraduate"
3013     },
3014     "Beskrivning": {},
3015     "Dolt": false,
3016     "Giltighetsperiod": {},
3017     "Grundtyp": "KURS",
3018     "ID": "101374",
3019     "Kod": "1993GKTF",
3020     "LarosateID": -1,
3021     "Regelverk": {
3022         "Regelvarden": [
3023             {
3024                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",

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3025         "Uid": "acbe75b8-e80a-11e8-b1f1-65de97d74aa5",
3026         "Varde": "grupp.for.utsokning.grundavanceradniva"
3027     },
3028     {
3029         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3030         "Uid": "acbe75b7-e80a-11e8-b1f1-65de97d74aa5",
3031         "Varde": "true"
3032     }
3033 ],
3034 "Uid": "ba8d0d32-7a4f-11e6-8419-0812bb95460f"
3035 },
3036 "Sorteringsordning": 50,
3037 "StudieordningID": 2,
3038 "TillfalleInomUtbildningstyper": [
3039     101370
3040 ],
3041 "UtbildningstyperInomUtbildningstyp": [],
3042 },
3043 {
3044     "AvserTillfalle": false,
3045     "Benamning": {
3046         "sv": "Utbytesavtal",
3047         "en": "Exchange agreement"
3048     },
3049     "Beskrivning": {},
3050     "Dolt": false,
3051     "Giltighetsperiod": {},
3052     "Grundtyp": "KURSPAKETERING",
3053     "ID": "101375",
3054     "Kod": "2007UA",
3055     "LarosateID": -1,
3056     "Regelverk": {
3057         "Regelvarden": [
3058             {
3059                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
3060                 "Uid": "fa69a5bb-6f95-11eb-998b-eb07df7e45d0",
3061                 "Varde": "true"
3062             },
3063             {
3064                 "Regelnamn": "commons.domain.regel.har.omfattning",
3065                 "Uid": "fa69a5ba-6f95-11eb-998b-eb07df7e45d0",
3066                 "Varde": "false"
3067             }
3068         ],
3069         "Uid": "25beca02-7a58-11e6-8419-0812bb95460f"
3070     },
3071     "Sorteringsordning": 7,
3072     "StudieordningID": 1,
3073     "TillfalleInomUtbildningstyper": [],
3074     "UtbildningstyperInomUtbildningstyp": [

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3075         101291,
3076         78,
3077         22,
3078         151503,
3079         24,
3080         101954
3081     ]
3082 },
3083 {
3084     "AvserTillfalle": true,
3085     "Benamning": {
3086         "sv": "Utbytestillf\u00e4lle, inresande",
3087         "en": "Exchange instance, incoming students"
3088     },
3089     "Beskrivning": {},
3090     "Dolt": false,
3091     "Giltighetsperiod": {},
3092     "Grundtyp": "KURSPAKETERING",
3093     "ID": "101376",
3094     "Kod": "2007UTFI",
3095     "LarosateID": -1,
3096     "Regelverk": {
3097         "Regelvarden": [
3098             {
3099                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
3100                 "Uid": "b972256e-fb9f-11ec-8340-1c3a6877401a",
3101                 "Varde": "true"
3102             },
3103             {
3104                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.inresande",
3105                 "Uid": "b972256d-fb9f-11ec-8340-1c3a6877401a",
3106                 "Varde": "true"
3107             },
3108             {
3109                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
3110                 "Uid": "b96fb46b-fb9f-11ec-8340-1c3a6877401a",
3111                 "Varde": "true"
3112             }
3113         ],
3114         "Uid": "d66d0f7a-ed35-11e6-9e0c-466dbe4e475f"
3115     },
3116     "Sorteringsordning": 50,
3117     "StudieordningID": 1,
3118     "TillfalleInomUtbildningstyper": [
3119         101375
3120     ],
3121     "UtbildningstyperInomUtbildningstyp": [
3122         101291,
3123         52,
3124         22,

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3125         101382,
3126         101378,
3127         94,
3128         106390,
3129         101381,
3130         148962,
3131         152635,
3132         152633,
3133         101380,
3134         101954,
3135         101292,
3136         151504,
3137         101951,
3138         78,
3139         107510,
3140         101955,
3141         101950,
3142         151503,
3143         24
3144     ]
3145 },
3146 {
3147     "AvserTillfalle": true,
3148     "Benamning": {
3149         "sv": "Utbytestillf\u00e4lle, utresande",
3150         "en": "Exchange instance, outgoing students"
3151     },
3152     "Beskrivning": {},
3153     "Dolt": false,
3154     "Giltighetsperiod": {},
3155     "Grundtyp": "KURSPAKETERING",
3156     "ID": "101377",
3157     "Kod": "2007UTFU",
3158     "LarosateID": -1,
3159     "Regelverk": {
3160         "Regelvarden": [
3161             {
3162                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
3163                 "Uid": "cc811891-ee40-11e8-9270-17395ad8480f",
3164                 "Varde": "true"
3165             },
3166             {
3167                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.utresande",
3168                 "Uid": "cc811890-ee40-11e8-9270-17395ad8480f",
3169                 "Varde": "true"
3170             },
3171             {
3172                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
3173                 "Uid": "cc81188f-ee40-11e8-9270-17395ad8480f",
3174                 "Varde": "true"

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3175     }
3176   ],
3177   "Uid": "b0f22e0a-7a5c-11e6-8419-0812bb95460f"
3178 },
3179 "Sorteringsordning": 50,
3180 "StudieordningID": 1,
3181 "TillfalleInomUtbildningstyper": [
3182   101375
3183 ],
3184 "UtbildningstyperInomUtbildningstyp": [
3185   117019,
3186   101959,
3187   101731
3188 ]
3189 },
3190 {
3191   "AvserTillfalle": false,
3192   "Benamning": {
3193     "sv": "Kurs",
3194     "en": "Course"
3195   },
3196   "Beskrivning": {},
3197   "Dolt": false,
3198   "Giltighetsperiod": {},
3199   "Grundtyp": "KURS",
3200   "ID": "101378",
3201   "Kod": "FUPKURS",
3202   "LarosateID": -1,
3203   "Regelverk": {
3204     "Regelvarden": [
3205       {
3206         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3207         "Uid": "b42333b7-e0de-11ec-bb44-ad608ddd4f32",
3208         "Varde": "true"
3209       },
3210       {
3211         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3212         "Uid": "b42333b9-e0de-11ec-bb44-ad608ddd4f32",
3213         "Varde": "true"
3214       },
3215       {
3216         "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3217         "Uid": "b42333ba-e0de-11ec-bb44-ad608ddd4f32",
3218         "Varde": "true"
3219       },
3220       {
3221         "Regelnamn": "commons.domain.regel.avbrottsregel",
3222         "Uid": "b42333b8-e0de-11ec-bb44-ad608ddd4f32",
3223         "Varde": "20"
3224       }

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3225     {
3226         "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
3227         "Uid": "b42333b6-e0de-11ec-bb44-ad608ddd4f32",
3228         "Varde": "true"
3229     },
3230     {
3231         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3232         "Uid": "b42333b5-e0de-11ec-bb44-ad608ddd4f32",
3233         "Varde": "grupp.for.utsokning.forutbildning"
3234     }
3235 ],
3236 "Uid": "e4ca44d7-8622-11e6-89f6-efd50fc84e85"
3237 },
3238 "Sorteringsordning": 1,
3239 "StudieordningID": 3,
3240 "TillfalleInomUtbildningstyper": [],
3241 "UtbildningstyperInomUtbildningstyp": [
3242     101976,
3243     101379
3244 ]
3245 },
3246 {
3247     "AvserTillfalle": false,
3248     "Benamning": {
3249         "sv": "Modul",
3250         "en": "Module"
3251     },
3252     "Beskrivning": {},
3253     "Dolt": false,
3254     "Giltighetsperiod": {},
3255     "Grundtyp": "MODUL",
3256     "ID": "101379",
3257     "Kod": "FUPMOD",
3258     "LarosateID": -1,
3259     "Regelverk": {
3260         "Regelvarden": [
3261             {
3262                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3263                 "Uid": "b5e0ddea-e80a-11e8-b1f1-65de97d74aa5",
3264                 "Varde": "grupp.for.utsokning.forutbildning"
3265             },
3266             {
3267                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
3268                 "Uid": "b5e0dddec-e80a-11e8-b1f1-65de97d74aa5",
3269                 "Varde": "true"
3270             },
3271             {
3272                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3273                 "Uid": "b5e0ddeeb-e80a-11e8-b1f1-65de97d74aa5",
3274                 "Varde": "true"

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3275     },
3276     {
3277         "Regelnamn": "commons.domain.regel.versionshanteras",
3278         "Uid": "b5e0dded-e80a-11e8-b1f1-65de97d74aa5",
3279         "Varde": "false"
3280     },
3281     {
3282         "Regelnamn": "commons.domain.regel.sjalvstandig",
3283         "Uid": "b5e0dde9-e80a-11e8-b1f1-65de97d74aa5",
3284         "Varde": "false"
3285     }
3286 ],
3287 "Uid": "46d086da-7a67-11e6-8419-0812bb95460f"
3288 },
3289 "Sorteringsordning": 50,
3290 "StudieordningID": 3,
3291 "TillfalleInomUtbildningstyper": [],
3292 "UtbildningstyperInomUtbildningstyp": []
3293 },
3294 {
3295     "AvserTillfalle": false,
3296     "Benamning": {
3297         "sv": "Kurs, avancerad niv\u00e5",
3298         "en": "Course, Second-cycle"
3299     },
3300     "Beskrivning": {},
3301     "Dolt": false,
3302     "Giltighetsperiod": {},
3303     "Grundtyp": "KURS",
3304     "ID": "101993",
3305     "Kod": "UPHPAKURS",
3306     "LarosateID": -1,
3307     "NivaInomStudieordningID": 2,
3308     "Regelverk": {
3309         "Regelvarden": [
3310             {
3311                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3312                 "Uid": "009fd933-e0de-11ec-bb44-ad608ddd4f32",
3313                 "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3314             },
3315             {
3316                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3317                 "Uid": "009fd935-e0de-11ec-bb44-ad608ddd4f32",
3318                 "Varde": "true"
3319             },
3320             {
3321                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3322                 "Uid": "009fd938-e0de-11ec-bb44-ad608ddd4f32",
3323                 "Varde": "true"
3324             }

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3325     {
3326         "Regelnamn": "commons.domain.regel.avbrottsregel",
3327         "Uid": "009fd936-e0de-11ec-bb44-ad608ddd4f32",
3328         "Varde": "20"
3329     },
3330     {
3331         "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3332         "Uid": "009fd937-e0de-11ec-bb44-ad608ddd4f32",
3333         "Varde": "true"
3334     },
3335     {
3336         "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3337         "Uid": "009fd934-e0de-11ec-bb44-ad608ddd4f32",
3338         "Varde": "true"
3339     }
3340 ],
3341 "Uid": "310b3370-a801-11e6-b02f-d0cc883a47fa"
3342 },
3343 "Sorteringsordning": 2,
3344 "StudieordningID": 17,
3345 "TillfalleInomUtbildningstyper": [],
3346 "UtbildningstyperInomUtbildningstyp": [
3347     101990,
3348     101991
3349 ]
3350 },
3351 {
3352     "AvserTillfalle": true,
3353     "Benamning": {
3354         "sv": "Kurstillf\u00e4lle",
3355         "en": "Course instance"
3356     },
3357     "Beskrivning": {},
3358     "Dolt": false,
3359     "Giltighetsperiod": {},
3360     "Grundtyp": "KURS",
3361     "ID": "101994",
3362     "Kod": "UPHPKTF",
3363     "LarosateID": -1,
3364     "Regelverk": {
3365         "Regelvarden": [
3366             {
3367                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3368                 "Uid": "95b787c4-e80a-11e8-b1f1-65de97d74aa5",
3369                 "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3370             },
3371             {
3372                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3373                 "Uid": "95b787c5-e80a-11e8-b1f1-65de97d74aa5",
3374                 "Varde": "true"

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3375     },
3376     {
3377         "Regelnamn": "commons.domain.regel.kan.utannonseras",
3378         "Uid": "95b787c3-e80a-11e8-b1f1-65de97d74aa5",
3379         "Varde": "true"
3380     },
3381     {
3382         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3383         "Uid": "95b787c2-e80a-11e8-b1f1-65de97d74aa5",
3384         "Varde": "true"
3385     }
3386 ],
3387 "Uid": "005f8b63-4c22-11e7-8c70-788c557b416a"
3388 },
3389 "Sorteringsordning": 50,
3390 "StudieordningID": 17,
3391 "TillfalleInomUtbildningstyper": [
3392     101993,
3393     101992
3394 ],
3395 "UtbildningstyperInomUtbildningstyp": []
3396 },
3397 {
3398     "AvserTillfalle": false,
3399     "Benamning": {
3400         "sv": "Inriktning",
3401         "en": "Specialisation"
3402     },
3403     "Beskrivning": {},
3404     "Dolt": false,
3405     "Giltighetsperiod": {},
3406     "Grundtyp": "KURSPAKETERING",
3407     "ID": "101995",
3408     "Kod": "UPHPINR",
3409     "LarosateID": -1,
3410     "Regelverk": {
3411         "Regelvarden": [
3412             {
3413                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3414                 "Uid": "165fbc7f-e80a-11e8-b1f1-65de97d74aa5",
3415                 "Varde": "true"
3416             },
3417             {
3418                 "Regelnamn": "commons.domain.regel.sjalvstandig",
3419                 "Uid": "165fbc80-e80a-11e8-b1f1-65de97d74aa5",
3420                 "Varde": "false"
3421             },
3422             {
3423                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3424                 "Uid": "165fbc7e-e80a-11e8-b1f1-65de97d74aa5",

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3425         "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3426     },
3427     {
3428         "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3429         "Uid": "165fbc81-e80a-11e8-b1f1-65de97d74aa5",
3430         "Varde": "true"
3431     }
3432 ],
3433 "Uid": "11b7914a-a803-11e6-b02f-d0cc883a47fa"
3434 },
3435 "Sorteringsordning": 50,
3436 "StudieordningID": 17,
3437 "TillfalleInomUtbildningstyper": [],
3438 "UtbildningstyperInomUtbildningstyp": [
3439     101993,
3440     101992
3441 ]
3442 },
3443 {
3444     "AvserTillfalle": true,
3445     "Benamning": {
3446         "sv": "Inriktningstillf\u00e4lle",
3447         "en": "Specialisation instance"
3448     },
3449     "Beskrivning": {},
3450     "Dolt": false,
3451     "Giltighetsperiod": {},
3452     "Grundtyp": "KURSPAKETERING",
3453     "ID": "101996",
3454     "Kod": "UPHPINRTF",
3455     "LarosateID": -1,
3456     "Regelverk": {
3457         "Regelvarden": [
3458             {
3459                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3460                 "Uid": "27d2e6e0-e80a-11e8-b1f1-65de97d74aa5",
3461                 "Varde": "true"
3462             },
3463             {
3464                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3465                 "Uid": "27d2e6df-e80a-11e8-b1f1-65de97d74aa5",
3466                 "Varde": "true"
3467             },
3468             {
3469                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3470                 "Uid": "27d2e6de-e80a-11e8-b1f1-65de97d74aa5",
3471                 "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3472             }
3473         ],
3474         "Uid": "4de604d8-8d66-11e7-ab6f-ced203c74a20"

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3475     },
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3477     "StudieordningID": 17,
3478     "TillfalleInomUtbildningstyper": [
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3480     ],
3481     "UtbildningstyperInomUtbildningstyp": [
3482         101993,
3483         101992,
3484         101994
3485     ]
3486 },
3487 {
3488     "AvserTillfalle": false,
3489     "Benamning": {
3490         "sv": "Program",
3491         "en": "Programme"
3492     },
3493     "Beskrivning": {},
3494     "Dolt": false,
3495     "Giltighetsperiod": {},
3496     "Grundtyp": "KURSPAKETERING",
3497     "ID": "101998",
3498     "Kod": "UPHPPRG",
3499     "LarosateID": -1,
3500     "Regelverk": {
3501         "Regelvarden": [
3502             {
3503                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3504                 "Uid": "5ed3e84d-e0de-11ec-bb44-ad608ddd4f32",
3505                 "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3506             },
3507             {
3508                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3509                 "Uid": "5ed3e84f-e0de-11ec-bb44-ad608ddd4f32",
3510                 "Varde": "true"
3511             },
3512             {
3513                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3514                 "Uid": "5ed3e850-e0de-11ec-bb44-ad608ddd4f32",
3515                 "Varde": "true"
3516             },
3517             {
3518                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3519                 "Uid": "5ed3e84e-e0de-11ec-bb44-ad608ddd4f32",
3520                 "Varde": "true"
3521             }
3522         ],
3523         "Uid": "bc5d54af-ec5f-11e6-8a84-352cf9f6431e"
3524     },

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3525     "Sorteringsordning": 4,
3526     "StudieordningID": 17,
3527     "TillfalleInomUtbildningstyper": [],
3528     "UtbildningstyperInomUtbildningstyp": [
3529         101993,
3530         101992,
3531         101995
3532     ]
3533 },
3534 {
3535     "AvserTillfalle": true,
3536     "Benamning": {
3537         "sv": "Programtillf\u00e4lle",
3538         "en": "Programme instance"
3539     },
3540     "Beskrivning": {},
3541     "Dolt": false,
3542     "Giltighetsperiod": {},
3543     "Grundtyp": "KURSPAKETERING",
3544     "ID": "101999",
3545     "Kod": "UPHPPRGTF",
3546     "LarosateID": -1,
3547     "Regelverk": {
3548         "Regelvarden": [
3549             {
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3551                 "Uid": "6fb1651d-b804-11ed-8cb2-324fb1124949",
3552                 "Varde": "true"
3553             },
3554             {
3555                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
3556                 "Uid": "6fb1651e-b804-11ed-8cb2-324fb1124949",
3557                 "Varde": "true"
3558             },
3559             {
3560                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3561                 "Uid": "6fb1651c-b804-11ed-8cb2-324fb1124949",
3562                 "Varde": "true"
3563             },
3564             {
3565                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3566                 "Uid": "6fb1651b-b804-11ed-8cb2-324fb1124949",
3567                 "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3568             },
3569             {
3570                 "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
3571                 "Uid": "6fb1651f-b804-11ed-8cb2-324fb1124949",
3572                 "Varde": "varning"
3573             }
3574         ],

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3576     },
3577     "Sorteringsordning": 50,
3578     "StudieordningID": 17,
3579     "TillfalleInomUtbildningstyper": [
3580         101998
3581     ],
3582     "UtbildningstyperInomUtbildningstyp": [
3583         101993,
3584         101996,
3585         101992,
3586         101994,
3587         101995
3588     ]
3589 },
3590 {
3591     "AvserTillfalle": false,
3592     "Benamning": {
3593         "sv": "Kurs",
3594         "en": "Course"
3595     },
3596     "Beskrivning": {},
3597     "Dolt": false,
3598     "Giltighetsperiod": {},
3599     "Grundtyp": "KURS",
3600     "ID": "102000",
3601     "Kod": "UPTKURS",
3602     "LarosateID": -1,
3603     "Regelverk": {
3604         "Regelvarden": [],
3605         "UId": "60bf6ffe-a81f-11e6-b02f-d0cc883a47fa"
3606     },
3607     "Sorteringsordning": 1,
3608     "StudieordningID": 9,
3609     "TillfalleInomUtbildningstyper": [],
3610     "UtbildningstyperInomUtbildningstyp": [
3611         102001
3612     ]
3613 },
3614 {
3615     "AvserTillfalle": false,
3616     "Benamning": {
3617         "sv": "Modul",
3618         "en": "Module"
3619     },
3620     "Beskrivning": {},
3621     "Dolt": false,
3622     "Giltighetsperiod": {},
3623     "Grundtyp": "MODUL",
3624     "ID": "102001",
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3626     "LarosateID": -1,
3627     "Regelverk": {
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3630                 "Regelnamn": "commons.domain.regel.sjalvstandig",
3631                 "Uid": "cb08d253-e80a-11e8-b1f1-65de97d74aa5",
3632                 "Varde": "false"
3633             },
3634             {
3635                 "Regelnamn": "commons.domain.regel.versionshanteras",
3636                 "Uid": "cb08d254-e80a-11e8-b1f1-65de97d74aa5",
3637                 "Varde": "false"
3638             }
3639         ],
3640         "Uid": "9e9f8b6d-a81e-11e6-b02f-d0cc883a47fa"
3641     },
3642     "Sorteringsordning": 50,
3643     "StudieordningID": 9,
3644     "TillfalleInomUtbildningstyper": [],
3645     "UtbildningstyperInomUtbildningstyp": []
3646 },
3647 {
3648     "AvserTillfalle": true,
3649     "Benamning": {
3650         "sv": "Kurstillf\u00e4lle",
3651         "en": "Course instance"
3652     },
3653     "Beskrivning": {},
3654     "Dolt": false,
3655     "Giltighetsperiod": {},
3656     "Grundtyp": "KURS",
3657     "ID": "102002",
3658     "Kod": "UPTKTF",
3659     "LarosateID": -1,
3660     "Regelverk": {
3661         "Regelvarden": [],
3662         "Uid": "98399ea8-e80a-11e8-b1f1-65de97d74aa5"
3663     },
3664     "Sorteringsordning": 50,
3665     "StudieordningID": 9,
3666     "TillfalleInomUtbildningstyper": [
3667         102000
3668     ],
3669     "UtbildningstyperInomUtbildningstyp": []
3670 },
3671 {
3672     "AvserTillfalle": false,
3673     "Benamning": {
3674         "sv": "Modul",

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3675     "en": "Module"
3676 },
3677 "Beskrivning": {},
3678 "Dolt": false,
3679 "Giltighetsperiod": {},
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3681 "ID": "102003",
3682 "Kod": "PREPMOD",
3683 "LarosateID": -1,
3684 "Regelverk": {
3685     "Regelvarden": [
3686         {
3687             "Regelnamn": "commons.domain.regel.sjalvstandig",
3688             "Uid": "c2b8d4af-e80a-11e8-b1f1-65de97d74aa5",
3689             "Varde": "false"
3690         },
3691         {
3692             "Regelnamn": "commons.domain.regel.versionshanteras",
3693             "Uid": "c2b8d4ae-e80a-11e8-b1f1-65de97d74aa5",
3694             "Varde": "false"
3695         }
3696     ],
3697     "Uid": "2232e7df-a820-11e6-b02f-d0cc883a47fa"
3698 },
3699 "Sorteringsordning": 50,
3700 "StudieordningID": 14,
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3702 "UtbildningstyperInomUtbildningstyp": []
3703 },
3704 {
3705     "AvserTillfalle": false,
3706     "Benamning": {
3707         "sv": "Kurs",
3708         "en": "Course"
3709     },
3710     "Beskrivning": {},
3711     "Dolt": false,
3712     "Giltighetsperiod": {},
3713     "Grundtyp": "KURS",
3714     "ID": "102004",
3715     "Kod": "PREPKURS",
3716     "LarosateID": -1,
3717     "Regelverk": {
3718         "Regelvarden": [],
3719         "Uid": "60528818-a820-11e6-b02f-d0cc883a47fa"
3720     },
3721     "Sorteringsordning": 1,
3722     "StudieordningID": 14,
3723     "TillfalleInomUtbildningstyper": [],
3724     "UtbildningstyperInomUtbildningstyp": [

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3725         102003
3726     ]
3727 },
3728 {
3729     "AvserTillfalle": true,
3730     "Benamning": {
3731         "sv": "Kurstillf\u00e4lle",
3732         "en": "Course instance"
3733     },
3734     "Beskrivning": {},
3735     "Dolt": false,
3736     "Giltighetsperiod": {},
3737     "Grundtyp": "KURS",
3738     "ID": "102005",
3739     "Kod": "PREPKTF",
3740     "LarosateID": -1,
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3742         "Regelvarden": [],
3743         "Uid": "8be668c2-e80a-11e8-b1f1-65de97d74aa5"
3744     },
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3749     ],
3750     "UtbildningstyperInomUtbildningstyp": []
3751 },
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3753     "AvserTillfalle": false,
3754     "Benamning": {
3755         "sv": "Kurs",
3756         "en": "Course"
3757     },
3758     "Beskrivning": {},
3759     "Dolt": false,
3760     "Giltighetsperiod": {},
3761     "Grundtyp": "KURS",
3762     "ID": "102006",
3763     "Kod": "UPVKURS",
3764     "LarosateID": -1,
3765     "Regelverk": {
3766         "Regelvarden": [
3767             {
3768                 "Regelnamn": "commons.domain.regel.kan_ha_litteraturlista",
3769                 "Uid": "2f028b0a-e0de-11ec-bb44-ad608ddd4f32",
3770                 "Varde": "true"
3771             },
3772             {
3773                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
3774                 "Uid": "2f028b09-e0de-11ec-bb44-ad608ddd4f32",

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3777     {
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3779         "Uid": "2f028b07-e0de-11ec-bb44-ad608ddd4f32",
3780         "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3781     },
3782     {
3783         "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
3784         "Uid": "2f028b08-e0de-11ec-bb44-ad608ddd4f32",
3785         "Varde": "true"
3786     }
3787 ],
3788 "Uid": "c17b77bd-a821-11e6-b02f-d0cc883a47fa"
3789 },
3790 "Sorteringsordning": 1,
3791 "StudieordningID": 18,
3792 "TillfalleInomUtbildningstyper": [],
3793 "UtbildningstyperInomUtbildningstyp": [
3794     102007
3795 ]
3796 },
3797 {
3798     "AvserTillfalle": false,
3799     "Benamning": {
3800         "sv": "Modul",
3801         "en": "Module"
3802     },
3803     "Beskrivning": {},
3804     "Dolt": false,
3805     "Giltighetsperiod": {},
3806     "Grundtyp": "MODUL",
3807     "ID": "102007",
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3809     "LarosateID": -1,
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3811         "Regelvarden": [
3812             {
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3814                 "Uid": "cd8c21a1-e80a-11e8-b1f1-65de97d74aa5",
3815                 "Varde": "true"
3816             },
3817             {
3818                 "Regelnamn": "commons.domain.regel.versionshanterars",
3819                 "Uid": "cd8c219e-e80a-11e8-b1f1-65de97d74aa5",
3820                 "Varde": "false"
3821             },
3822             {
3823                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3824                 "Uid": "cd8c21a0-e80a-11e8-b1f1-65de97d74aa5",

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3825         "Varde": "grupp.for.utsokning.uppdraagsutbildning"
3826     },
3827     {
3828         "Regelnamn": "commons.domain.regel.sjalvstandig",
3829         "UId": "cd8c219f-e80a-11e8-b1f1-65de97d74aa5",
3830         "Varde": "false"
3831     }
3832 ],
3833 "UId": "4ab37285-a821-11e6-b02f-d0cc883a47fa"
3834 },
3835 "Sorteringsordning": 50,
3836 "StudieordningID": 18,
3837 "TillfalleInomUtbildningstyper": [],
3838 "UtbildningstyperInomUtbildningstyp": []
3839 },
3840 {
3841     "AvserTillfalle": false,
3842     "Benamning": {
3843         "sv": "Kurs, grundniv\u00e5 (inkl. attribut fr\u00e5n 1993 \u00e5rs studieordning)",
3844         "en": "Course, First-cycle (including attributes from the study regulation of 1993)"
3845     },
3846     "Beskrivning": {
3847         "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
3848     },
3849     "Dolt": false,
3850     "Giltighetsperiod": {},
3851     "Grundtyp": "KURS",
3852     "ID": "105630",
3853     "Kod": "0793GKURS",
3854     "LarosateID": -1,
3855     "NivaInomStudieordningID": 1,
3856     "Regelverk": {
3857         "Regelvarden": [
3858             {
3859                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3860                 "UId": "720d29c4-e979-11e8-9df7-dac5c1184137",
3861                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3862             },
3863             {
3864                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3865                 "UId": "720d29c3-e979-11e8-9df7-dac5c1184137",
3866                 "Varde": "true"
3867             },
3868             {
3869                 "Regelnamn": "commons.domain.regel.avbrottsregel",
3870                 "UId": "720d29c2-e979-11e8-9df7-dac5c1184137",
3871                 "Varde": "20"
3872             }
3873         ],
3874         "UId": "eeb2ffd3-1529-11e7-a285-7b8b33c24a2b"

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3875     },
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3877     "StudieordningID": 1,
3878     "TillfalleInomUtbildningstyper": [],
3879     "UtbildningstyperInomUtbildningstyp": [
3880         101371,
3881         4
3882     ]
3883 },
3884 {
3885     "AvserTillfalle": false,
3886     "Benamning": {
3887         "sv": "Kurs, avancerad niv\u00e5 (inkl. attribut fr\u00e5n 1993 \u00e5rs studieordning)",
3888         "en": "Course, Second-cycle (including attributes from the study regulation of 1993)"
3889     },
3890     "Beskrivning": {
3891         "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
3892     },
3893     "Dolt": false,
3894     "Giltighetsperiod": {},
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3896     "ID": "105631",
3897     "Kod": "0793AKURS",
3898     "LarosateID": -1,
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3900     "Regelverk": {
3901         "Regelvarden": [
3902             {
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3904                 "Uid": "f543b5bb-e979-11e8-9df7-dac5c1184137",
3905                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3906             },
3907             {
3908                 "Regelnamn": "commons.domain.regel.avbrottsregel",
3909                 "Uid": "f543b5b9-e979-11e8-9df7-dac5c1184137",
3910                 "Varde": "20"
3911             },
3912             {
3913                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3914                 "Uid": "f543b5ba-e979-11e8-9df7-dac5c1184137",
3915                 "Varde": "true"
3916             }
3917         ],
3918         "Uid": "56099ddc-152a-11e7-a285-7b8b33c24a2b"
3919     },
3920     "Sorteringsordning": 50,
3921     "StudieordningID": 1,
3922     "TillfalleInomUtbildningstyper": [],
3923     "UtbildningstyperInomUtbildningstyp": [
3924         101371,

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3925         4
3926     ]
3927 },
3928 {
3929     "AvserTillfalle": true,
3930     "Benamning": {
3931         "sv": "Kurstillf\u00e4lle (inkl. attribut fr\u00e5n 1993 \u00e5rs studieordning)",
3932         "en": "Course instance (including attributes from the study regulation of 1993)"
3933     },
3934     "Beskrivning": {
3935         "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
3936     },
3937     "Dolt": false,
3938     "Giltighetsperiod": {},
3939     "Grundtyp": "KURS",
3940     "ID": "105632",
3941     "Kod": "0793KTF",
3942     "LarosateID": -1,
3943     "Regelverk": {
3944         "Regelvarden": [
3945             {
3946                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3947                 "Uid": "8695db9c-e97a-11e8-9df7-dac5c1184137",
3948                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3949             },
3950             {
3951                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
3952                 "Uid": "8695db9b-e97a-11e8-9df7-dac5c1184137",
3953                 "Varde": "true"
3954             }
3955         ],
3956         "Uid": "64be0104-152b-11e7-a285-7b8b33c24a2b"
3957     },
3958     "Sorteringsordning": 50,
3959     "StudieordningID": 1,
3960     "TillfalleInomUtbildningstyper": [
3961         105630,
3962         105631
3963     ],
3964     "UtbildningstyperInomUtbildningstyp": []
3965 },
3966 {
3967     "AvserTillfalle": false,
3968     "Benamning": {
3969         "sv": "Individuell kurs, avancerad niv\u00e5, inresande",
3970         "en": "Individual second-cycle course, incoming student"
3971     },
3972     "Beskrivning": {},
3973     "Dolt": false,
3974     "Giltighetsperiod": {},

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3975     "Grundtyp": "KURS",
3976     "ID": "106390",
3977     "Kod": "2007AIKURS",
3978     "LarosateID": -1,
3979     "NivaInomStudieordningID": 2,
3980     "Regelverk": {
3981         "Regelvarden": [
3982             {
3983                 "Regelnamn": "commons.domain.regel.individuell",
3984                 "Uid": "0088e808-ee40-11e8-9270-17395ad8480f",
3985                 "Varde": "true"
3986             },
3987             {
3988                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
3989                 "Uid": "0088e806-ee40-11e8-9270-17395ad8480f",
3990                 "Varde": "true"
3991             },
3992             {
3993                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
3994                 "Uid": "0088e807-ee40-11e8-9270-17395ad8480f",
3995                 "Varde": "grupp.for.utsokning.grundavanceradniva"
3996             },
3997             {
3998                 "Regelnamn": "commons.domain.regel.avbrottsregel",
3999                 "Uid": "0088e809-ee40-11e8-9270-17395ad8480f",
4000                 "Varde": "20"
4001             },
4002             {
4003                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
4004                 "Uid": "0088e804-ee40-11e8-9270-17395ad8480f",
4005                 "Varde": "true"
4006             },
4007             {
4008                 "Regelnamn": "commons.domain.regel.versionshanteras",
4009                 "Uid": "0088e805-ee40-11e8-9270-17395ad8480f",
4010                 "Varde": "false"
4011             }
4012         ],
4013         "Uid": "7d95f13b-36f7-11e7-a3b7-78a0d3b54280"
4014     },
4015     "Sorteringsordning": 11,
4016     "StudieordningID": 1,
4017     "TillfalleInomUtbildningstyper": [],
4018     "UtbildningstyperInomUtbildningstyp": [
4019         3,
4020         4
4021     ]
4022 },
4023 {
4024     "AvserTillfalle": true,

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4025     "Benamning": {
4026       "sv": "Individuellt kurstillf\u00e4lle, forskarniv\u00e5",
4027       "en": "Individual course instance, Third-cycle"
4028     },
4029     "Beskrivning": {},
4030     "Dolt": false,
4031     "Giltighetsperiod": {},
4032     "Grundtyp": "KURS",
4033     "ID": "107510",
4034     "Kod": "2007FIKTF",
4035     "LarosateID": -1,
4036     "Regelverk": {
4037       "Regelvarden": [
4038         {
4039           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4040           "Uid": "f0f0e942-e809-11e8-b1f1-65de97d74aa5",
4041           "Varde": "grupp.for.utsokning.forskarniva"
4042         },
4043         {
4044           "Regelnamn": "commons.domain.regel.individuell",
4045           "Uid": "f0f0e941-e809-11e8-b1f1-65de97d74aa5",
4046           "Varde": "true"
4047         },
4048         {
4049           "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
4050           "Uid": "f0f0e940-e809-11e8-b1f1-65de97d74aa5",
4051           "Varde": "true"
4052         }
4053       ],
4054       "Uid": "c9dfffc2c-4773-11e7-90e5-0ce8b6914937"
4055     },
4056     "Sorteringsordning": 50,
4057     "StudieordningID": 1,
4058     "TillfalleInomUtbildningstyper": [
4059       101954
4060     ],
4061     "UtbildningstyperInomUtbildningstyp": []
4062   },
4063   {
4064     "AvserTillfalle": false,
4065     "Benamning": {
4066       "sv": "Program (inkl. attribut fr\u00e5n 1993 \u00e5rs studieordning)",
4067       "en": "Programme (including attributes from the study regulation of 1993)"
4068     },
4069     "Beskrivning": {
4070       "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
4071     },
4072     "Dolt": false,
4073     "Giltighetsperiod": {},
4074     "Grundtyp": "KURSPAKETERING",

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4075     "ID": "107524",
4076     "Kod": "0793PRG",
4077     "LarosateID": -1,
4078     "Regelverk": {
4079         "Regelvarden": [
4080             {
4081                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4082                 "Uid": "1fff915d-e978-11e8-9df7-dac5c1184137",
4083                 "Varde": "grupp.for.utsokning.grundavanceradniva"
4084             },
4085             {
4086                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4087                 "Uid": "1fff915c-e978-11e8-9df7-dac5c1184137",
4088                 "Varde": "true"
4089             }
4090         ],
4091         "Uid": "804dd6c8-4775-11e7-90e5-0ce8b6914937"
4092     },
4093     "Sorteringsordning": 17,
4094     "StudieordningID": 1,
4095     "TillfalleInomUtbildningstyper": [],
4096     "UtbildningstyperInomUtbildningstyp": [
4097         101270,
4098         101960
4099     ]
4100 },
4101 {
4102     "AvserTillfalle": true,
4103     "Benamning": {
4104         "sv": "Programtillf\u00e4lle (inkl. attribut fr\u00e5n 1993 \u00e5rs studieordning)",
4105         "en": "Programme instance (including attributes from the study regulation of 1993)"
4106     },
4107     "Beskrivning": {
4108         "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
4109     },
4110     "Dolt": false,
4111     "Giltighetsperiod": {},
4112     "Grundtyp": "KURSPAKETERING",
4113     "ID": "107525",
4114     "Kod": "0793PRGTF",
4115     "LarosateID": -1,
4116     "Regelverk": {
4117         "Regelvarden": [
4118             {
4119                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4120                 "Uid": "99f30d70-e978-11e8-9df7-dac5c1184137",
4121                 "Varde": "grupp.for.utsokning.grundavanceradniva"
4122             },
4123             {
4124                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",

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4125         "UId": "99f30d6f-e978-11e8-9df7-dac5c1184137",
4126         "Varde": "true"
4127     }
4128 ],
4129     "UId": "5b59b523-4779-11e7-90e5-0ce8b6914937"
4130 },
4131 "Sorteringsordning": 50,
4132 "StudieordningID": 1,
4133 "TillfalleInomUtbildningstyper": [
4134     107524
4135 ],
4136 "UtbildningstyperInomUtbildningstyp": [
4137     101290,
4138     101374,
4139     105632,
4140     52,
4141     101961
4142 ]
4143 },
4144 {
4145     "AvserTillfalle": false,
4146     "Benamning": {
4147         "sv": "Forskningsarbete (utan angiven omfattning)",
4148         "en": "Research project (scope not specified)"
4149     },
4150     "Beskrivning": {
4151         "sv": "Vetenskaplig avhandling (doktorsavhandling), vetenskaplig uppsats (f\u00f6r licentiatexamen)"
4152     },
4153     "Dolt": false,
4154     "Giltighetsperiod": {},
4155     "Grundtyp": "KURS",
4156     "ID": "110915",
4157     "Kod": "2007VFU0",
4158     "LarosateID": -1,
4159     "NivaInomStudieordningID": 3,
4160     "Regelverk": {
4161         "Regelvarden": [
4162             {
4163                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4164                 "UId": "7523c7b0-6b22-11e9-9c79-28b64e4f47fe",
4165                 "Varde": "grupp.for.utsokning.forskarniva"
4166             },
4167             {
4168                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
4169                 "UId": "7523c7b1-6b22-11e9-9c79-28b64e4f47fe",
4170                 "Varde": "true"
4171             },
4172             {
4173                 "Regelnamn": "commons.domain.regel.ej.angiven.omfattning",
4174                 "UId": "7523c7af-6b22-11e9-9c79-28b64e4f47fe",

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4175         "Varde": "true"
4176     }
4177 },
4178     "UId": "54c2afff-a47a-11e7-bf04-233ed8ff4123"
4179 },
4180     "Sorteringsordning": 8,
4181     "StudieordningID": 1,
4182     "TillfalleInomUtbildningstyper": [],
4183     "UtbildningstyperInomUtbildningstyp": [
4184         3,
4185         148452
4186     ]
4187 },
4188 {
4189     "AvserTillfalle": true,
4190     "Benamning": {
4191         "sv": "Tillf\u00e4lle f\u00f6r utbytes\u00e5tagande, utresande",
4192         "en": "Exchange load instance, outgoing student"
4193     },
4194     "Beskrivning": {},
4195     "Dolt": false,
4196     "Giltighetsperiod": {},
4197     "Grundtyp": "KURS",
4198     "ID": "117019",
4199     "Kod": "2007UATTFR",
4200     "LarosateID": -1,
4201     "Regelverk": {
4202         "Regelvarden": [
4203             {
4204                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
4205                 "UId": "35dd35f1-ee3f-11e8-9270-17395ad8480f",
4206                 "Varde": "true"
4207             },
4208             {
4209                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4210                 "UId": "35dd35f0-ee3f-11e8-9270-17395ad8480f",
4211                 "Varde": "grupp.for.utsokning.grundavanceradniva"
4212             },
4213             {
4214                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
4215                 "UId": "35dd35f2-ee3f-11e8-9270-17395ad8480f",
4216                 "Varde": "true"
4217             }
4218         ],
4219         "UId": "e83f58b0-cbc9-11e7-b2fe-0c4a35a84a9e"
4220     },
4221     "Sorteringsordning": 12,
4222     "StudieordningID": 1,
4223     "TillfalleInomUtbildningstyper": [
4224         101730

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4225     ],
4226     "UtbildningstyperInomUtbildningstyp": []
4227 },
4228 {
4229     "AvserTillfalle": false,
4230     "Benamning": {
4231         "sv": "Program",
4232         "en": "Programme"
4233     },
4234     "Beskrivning": {},
4235     "Dolt": false,
4236     "Giltighetsperiod": {},
4237     "Grundtyp": "KURSPAKETERING",
4238     "ID": "121171",
4239     "Kod": "FHSPRG",
4240     "LarosateID": -1,
4241     "Regelverk": {
4242         "Regelvarden": [],
4243         "Uid": "7dc3ef28-dcea-11e7-9840-bee5623b4e1b"
4244     },
4245     "Sorteringsordning": 4,
4246     "StudieordningID": 16,
4247     "TillfalleInomUtbildningstyper": [],
4248     "UtbildningstyperInomUtbildningstyp": [
4249         121175,
4250         121173
4251     ]
4252 },
4253 {
4254     "AvserTillfalle": true,
4255     "Benamning": {
4256         "sv": "Programtillf\u00e4lle",
4257         "en": "Programme instance"
4258     },
4259     "Beskrivning": {},
4260     "Dolt": false,
4261     "Giltighetsperiod": {},
4262     "Grundtyp": "KURSPAKETERING",
4263     "ID": "121172",
4264     "Kod": "FHSPRGTF",
4265     "LarosateID": -1,
4266     "Regelverk": {
4267         "Regelvarden": [],
4268         "Uid": "f438ca8f-dcea-11e7-9840-bee5623b4e1b"
4269     },
4270     "Sorteringsordning": 50,
4271     "StudieordningID": 16,
4272     "TillfalleInomUtbildningstyper": [
4273         121171
4274     ],

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4275     "UtbildningstyperInomUtbildningstyp": [
4276         121176,
4277         121174
4278     ]
4279 },
4280 {
4281     "AvserTillfalle": false,
4282     "Benamning": {
4283         "sv": "Inriktning",
4284         "en": "Specialisation"
4285     },
4286     "Beskrivning": {},
4287     "Dolt": false,
4288     "Giltighetsperiod": {},
4289     "Grundtyp": "KURSPAKETERING",
4290     "ID": "121173",
4291     "Kod": "FHSINR",
4292     "LarosateID": -1,
4293     "Regelverk": {
4294         "Regelvarden": [
4295             {
4296                 "Regelnamn": "commons.domain.regel.sjalvstandig",
4297                 "Uid": "0f2db262-e80a-11e8-b1f1-65de97d74aa5",
4298                 "Varde": "false"
4299             }
4300         ],
4301         "Uid": "2f8f6056-dceb-11e7-9840-bee5623b4e1b"
4302     },
4303     "Sorteringsordning": 50,
4304     "StudieordningID": 16,
4305     "TillfalleInomUtbildningstyper": [],
4306     "UtbildningstyperInomUtbildningstyp": [
4307         121175
4308     ]
4309 },
4310 {
4311     "AvserTillfalle": true,
4312     "Benamning": {
4313         "sv": "Inriktningstillf\u00e4lle",
4314         "en": "Specialisation instance"
4315     },
4316     "Beskrivning": {},
4317     "Dolt": false,
4318     "Giltighetsperiod": {},
4319     "Grundtyp": "KURSPAKETERING",
4320     "ID": "121174",
4321     "Kod": "FHSINRTF",
4322     "LarosateID": -1,
4323     "Regelverk": {
4324         "Regelvarden": [],

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4325         "Uid": "79f4a259-dceb-11e7-9840-bee5623b4e1b"
4326     },
4327     "Sorteringsordning": 50,
4328     "StudieordningID": 16,
4329     "TillfalleInomUtbildningstyper": [
4330         121173
4331     ],
4332     "UtbildningstyperInomUtbildningstyp": [
4333         121176
4334     ]
4335 },
4336 {
4337     "AvserTillfalle": false,
4338     "Benamning": {
4339         "sv": "Kurs",
4340         "en": "Course"
4341     },
4342     "Beskrivning": {},
4343     "Dolt": false,
4344     "Giltighetsperiod": {},
4345     "Grundtyp": "KURS",
4346     "ID": "121175",
4347     "Kod": "FHSKURS",
4348     "LarosateID": -1,
4349     "Regelverk": {
4350         "Regelvarden": [],
4351         "Uid": "10cfb661-dcec-11e7-9840-bee5623b4e1b"
4352     },
4353     "Sorteringsordning": 1,
4354     "StudieordningID": 16,
4355     "TillfalleInomUtbildningstyper": [],
4356     "UtbildningstyperInomUtbildningstyp": [
4357         121177
4358     ]
4359 },
4360 {
4361     "AvserTillfalle": false,
4362     "Benamning": {
4363         "sv": "Modul utan omfattning",
4364         "en": "Module without scope"
4365     },
4366     "Beskrivning": {},
4367     "Dolt": false,
4368     "Giltighetsperiod": {},
4369     "Grundtyp": "MODUL",
4370     "ID": "138695",
4371     "Kod": "PU18MUO",
4372     "LarosateID": -1,
4373     "Regelverk": {
4374         "Regelvarden": [

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4375     {
4376       "Regelnamn": "commons.domain.regel.versionshanteras",
4377       "Uid": "d9eb3f32-e80a-11e8-b1f1-65de97d74aa5",
4378       "Varde": "false"
4379     },
4380     {
4381       "Regelnamn": "commons.domain.regel.sjalvstandig",
4382       "Uid": "d9eb3f33-e80a-11e8-b1f1-65de97d74aa5",
4383       "Varde": "false"
4384     },
4385     {
4386       "Regelnamn": "commons.domain.regel.har.omfattning",
4387       "Uid": "d9eb3f34-e80a-11e8-b1f1-65de97d74aa5",
4388       "Varde": "false"
4389     },
4390     {
4391       "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
4392       "Uid": "d9eb3f31-e80a-11e8-b1f1-65de97d74aa5",
4393       "Varde": "true"
4394     },
4395     {
4396       "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4397       "Uid": "d9eb3f30-e80a-11e8-b1f1-65de97d74aa5",
4398       "Varde": "grupp.for.utsokning.polisutbildning"
4399     }
4400   ],
4401   "Uid": "460a134e-d6ff-11e8-9ff0-687a8474457e"
4402 },
4403 "Sorteringsordning": 50,
4404 "StudieordningID": 135370,
4405 "TillfalleInomUtbildningstyper": [],
4406 "UtbildningstyperInomUtbildningstyp": []
4407 },
4408 {
4409   "AvserTillfalle": true,
4410   "Benamning": {
4411     "sv": "Kurstillf\u00e4lle",
4412     "en": "Course instance"
4413   },
4414   "Beskrivning": {},
4415   "Dolt": false,
4416   "Giltighetsperiod": {},
4417   "Grundtyp": "KURS",
4418   "ID": "138696",
4419   "Kod": "PU18KTF",
4420   "LarosateID": -1,
4421   "Regelverk": {
4422     "Regelvarden": [
4423       {
4424         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",

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4425         "Uid": "7ad34d7b-8360-11ec-b5c0-b03dbaf5459c",
4426         "Varde": "true"
4427     },
4428     {
4429         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4430         "Uid": "7ad34d79-8360-11ec-b5c0-b03dbaf5459c",
4431         "Varde": "grupp.for.utsokning.polisutbildning"
4432     },
4433     {
4434         "Regelnamn": "commons.domain.regel.kan.utannonseras",
4435         "Uid": "7ad34d7c-8360-11ec-b5c0-b03dbaf5459c",
4436         "Varde": "true"
4437     },
4438     {
4439         "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
4440         "Uid": "7ad34d7a-8360-11ec-b5c0-b03dbaf5459c",
4441         "Varde": "true"
4442     }
4443 ],
4444 "Uid": "b64687ba-d6ff-11e8-9ff0-687a8474457e"
4445 },
4446 "Sorteringsordning": 1,
4447 "StudieordningID": 135370,
4448 "TillfalleInomUtbildningstyper": [
4449     138692,
4450     138693
4451 ],
4452 "UtbildningstyperInomUtbildningstyp": [],
4453 },
4454 {
4455     "AvserTillfalle": false,
4456     "Benamning": {
4457         "sv": "Program",
4458         "en": "Programme"
4459     },
4460     "Beskrivning": {},
4461     "Dolt": false,
4462     "Giltighetsperiod": {},
4463     "Grundtyp": "KURSPAKETERING",
4464     "ID": "143781",
4465     "Kod": "PU18PRG",
4466     "LarosateID": -1,
4467     "Regelverk": {
4468         "Regelvarden": [
4469             {
4470                 "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
4471                 "Uid": "b594ca10-ab94-11ed-996b-7b1fac574545",
4472                 "Varde": "true"
4473             },
4474             {

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4475     "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
4476     "Uid": "b594ca12-ab94-11ed-996b-7b1fac574545",
4477     "Varde": "true"
4478   },
4479   {
4480     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4481     "Uid": "b5947bef-ab94-11ed-996b-7b1fac574545",
4482     "Varde": "grupp.for.utsokning.polisutbildning"
4483   },
4484   {
4485     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4486     "Uid": "b594ca11-ab94-11ed-996b-7b1fac574545",
4487     "Varde": "true"
4488   }
4489 ],
4490 "Uid": "422ea321-f7d4-11e8-86c4-d6314f174dae"
4491 },
4492 "Sorteringsordning": 4,
4493 "StudieordningID": 135370,
4494 "TillfalleInomUtbildningstyper": [],
4495 "UtbildningstyperInomUtbildningstyp": [
4496   138692,
4497   109972,
4498   138693
4499 ]
4500 },
4501 {
4502   "AvserTillfalle": true,
4503   "Benamning": {
4504     "sv": "Programtillf\u00e4lle",
4505     "en": "Programme instance"
4506   },
4507   "Beskrivning": {},
4508   "Dolt": false,
4509   "Giltighetsperiod": {},
4510   "Grundtyp": "KURSPAKETERING",
4511   "ID": "143782",
4512   "Kod": "PU18PRGTF",
4513   "LarosateID": -1,
4514   "Regelverk": {
4515     "Regelvarden": [
4516       {
4517         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4518         "Uid": "94de0550-8360-11ec-b5c0-b03dbaf5459c",
4519         "Varde": "grupp.for.utsokning.polisutbildning"
4520       },
4521       {
4522         "Regelnamn": "commons.domain.regel.informationsbehorighet.polisutbildning",
4523         "Uid": "94de0551-8360-11ec-b5c0-b03dbaf5459c",
4524         "Varde": "true"

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4525     },
4526     {
4527         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4528         "Uid": "94de0552-8360-11ec-b5c0-b03dbaf5459c",
4529         "Varde": "true"
4530     }
4531 ],
4532 "Uid": "ec4b9b4c-f7d6-11e8-86c4-d6314f174dae"
4533 },
4534 "Sorteringsordning": 50,
4535 "StudieordningID": 135370,
4536 "TillfalleInomUtbildningstyper": [
4537     143781
4538 ],
4539 "UtbildningstyperInomUtbildningstyp": [
4540     138696,
4541     138692,
4542     109972,
4543     138693,
4544     109973
4545 ]
4546 },
4547 {
4548     "AvserTillfalle": false,
4549     "Benamning": {
4550         "sv": "Kurspaket",
4551         "en": "Course package"
4552     },
4553     "Beskrivning": {},
4554     "Dolt": false,
4555     "Giltighetsperiod": {},
4556     "Grundtyp": "KURSPAKETERING",
4557     "ID": "147785",
4558     "Kod": "FUPKP",
4559     "LarosateID": -1,
4560     "Regelverk": {
4561         "Regelvarden": [
4562             {
4563                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4564                 "Uid": "cdb0908e-0505-11ee-b40a-f28ad46341da",
4565                 "Varde": "grupp.for.utsokning.forutbildning"
4566             },
4567             {
4568                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
4569                 "Uid": "cdb0908f-0505-11ee-b40a-f28ad46341da",
4570                 "Varde": "true"
4571             },
4572             {
4573                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4574                 "Uid": "cdb09090-0505-11ee-b40a-f28ad46341da",

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4575         "Varde": "true"
4576     },
4577     {
4578         "Regelnamn": "commons.domain.regel.ar_kurspaket",
4579         "Uid": "cdb09091-0505-11ee-b40a-f28ad46341da",
4580         "Varde": "true"
4581     }
4582 ],
4583 "Uid": "f38543aa-ff9f-11e8-9a8a-130b7e0d48d4"
4584 },
4585 "Sorteringsordning": 50,
4586 "StudieordningID": 3,
4587 "TillfalleInomUtbildningstyper": [],
4588 "UtbildningstyperInomUtbildningstyp": [
4589     22,
4590     101378
4591 ]
4592 },
4593 {
4594     "AvserTillfalle": true,
4595     "Benamning": {
4596         "sv": "Kurspakettillf\u00e4lle",
4597         "en": "Course package instance"
4598     },
4599     "Beskrivning": {},
4600     "Dolt": false,
4601     "Giltighetsperiod": {},
4602     "Grundtyp": "KURSPAKETERING",
4603     "ID": "147786",
4604     "Kod": "FUPKPTF",
4605     "LarosateID": -1,
4606     "Regelverk": {
4607         "Regelvarden": [
4608             {
4609                 "Regelnamn": "commons.domain.regel.kan.utannonseras",
4610                 "Uid": "318c0ba2-0509-11ee-b40a-f28ad46341da",
4611                 "Varde": "true"
4612             },
4613             {
4614                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4615                 "Uid": "318c0b9f-0509-11ee-b40a-f28ad46341da",
4616                 "Varde": "grupp.for.utsokning.forutbildning"
4617             },
4618             {
4619                 "Regelnamn": "commons.domain.regel.ar_kurspaket",
4620                 "Uid": "318c0ba4-0509-11ee-b40a-f28ad46341da",
4621                 "Varde": "true"
4622             },
4623             {
4624                 "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",

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4625         "Uid": "318c0ba3-0509-11ee-b40a-f28ad46341da",
4626         "Varde": "varning"
4627     },
4628     {
4629         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
4630         "Uid": "318c0ba1-0509-11ee-b40a-f28ad46341da",
4631         "Varde": "true"
4632     },
4633     {
4634         "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
4635         "Uid": "318c0ba0-0509-11ee-b40a-f28ad46341da",
4636         "Varde": "true"
4637     }
4638 ],
4639 "Uid": "b0e89549-ffa1-11e8-9a8a-130b7e0d48d4"
4640 },
4641 "Sorteringsordning": 50,
4642 "StudieordningID": 3,
4643 "TillfalleInomUtbildningstyper": [
4644     147785
4645 ],
4646 "UtbildningstyperInomUtbildningstyp": [
4647     52,
4648     22,
4649     101382,
4650     101378
4651 ]
4652 },
4653 {
4654     "AvserTillfalle": false,
4655     "Benamning": {
4656         "sv": "Modul",
4657         "en": "Module"
4658     },
4659     "Beskrivning": {},
4660     "Dolt": false,
4661     "Giltighetsperiod": {},
4662     "Grundtyp": "MODUL",
4663     "ID": "147908",
4664     "Kod": "UPTMOD19",
4665     "LarosateID": -1,
4666     "Regelverk": {
4667         "Regelvarden": [
4668             {
4669                 "Regelnamn": "commons.domain.regel.versionshanteras",
4670                 "Uid": "405920a4-1b2a-11e9-beb8-23b395e64549",
4671                 "Varde": "false"
4672             },
4673             {
4674                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",

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4675         "Uid": "405920a6-1b2a-11e9-beb8-23b395e64549",
4676         "Varde": "grupp.for.utsokning.uppdraagsutbildning"
4677     },
4678     {
4679         "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
4680         "Uid": "405920a5-1b2a-11e9-beb8-23b395e64549",
4681         "Varde": "true"
4682     },
4683     {
4684         "Regelnamn": "commons.domain.regel.sjalvstandig",
4685         "Uid": "405920a3-1b2a-11e9-beb8-23b395e64549",
4686         "Varde": "false"
4687     }
4688 ],
4689 "Uid": "405920a2-1b2a-11e9-beb8-23b395e64549"
4690 },
4691 "Sorteringsordning": 50,
4692 "StudieordningID": 147898,
4693 "TillfalleInomUtbildningstyper": [],
4694 "UtbildningstyperInomUtbildningstyp": []
4695 },
4696 {
4697     "AvserTillfalle": false,
4698     "Benamning": {
4699         "sv": "Deltagande utan omfattning, forskarniv\u00e5",
4700         "en": "Participation without scope, third cycle student"
4701     },
4702     "Beskrivning": {},
4703     "Dolt": false,
4704     "Giltighetsperiod": {},
4705     "Grundtyp": "KURS",
4706     "ID": "152631",
4707     "Kod": "2007FDU",
4708     "LarosateID": -1,
4709     "NivaInomStudieordningID": 3,
4710     "Regelverk": {
4711         "Regelvarden": [
4712             {
4713                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
4714                 "Uid": "242e4c44-4629-11ec-8ce5-829094194c50",
4715                 "Varde": "true"
4716             },
4717             {
4718                 "Regelnamn": "commons.domain.regel.versionshanteras",
4719                 "Uid": "242e4c46-4629-11ec-8ce5-829094194c50",
4720                 "Varde": "true"
4721             },
4722             {
4723                 "Regelnamn": "commons.domain.regel.resultat",
4724                 "Uid": "242e4c45-4629-11ec-8ce5-829094194c50",

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4725         "Varde": "false"
4726     },
4727     {
4728         "Regelnamn": "commons.domain.regel.har.omfattning",
4729         "Uid": "242e4c42-4629-11ec-8ce5-829094194c50",
4730         "Varde": "false"
4731     },
4732     {
4733         "Regelnamn": "commons.domain.regel.individuell",
4734         "Uid": "242e4c43-4629-11ec-8ce5-829094194c50",
4735         "Varde": "false"
4736     },
4737     {
4738         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4739         "Uid": "242b6611-4629-11ec-8ce5-829094194c50",
4740         "Varde": "grupp.for.utsokning.forskarniva"
4741     }
4742 ],
4743 "Uid": "242b6610-4629-11ec-8ce5-829094194c50"
4744 },
4745 "Sorteringsordning": 50,
4746 "StudieordningID": 1,
4747 "TillfalleInomUtbildningstyper": [],
4748 "UtbildningstyperInomUtbildningstyp": []
4749 },
4750 {
4751     "AvserTillfalle": true,
4752     "Benamning": {
4753         "sv": "Individuellt tillf\u00e4lle f\u00f6r deltagande utan omfattning, forskarniv\u00e5",
4754         "en": "Individual course instance for participation without scope, third cycle student"
4755     },
4756     "Beskrivning": {},
4757     "Dolt": false,
4758     "Giltighetsperiod": {},
4759     "Grundtyp": "KURS",
4760     "ID": "152632",
4761     "Kod": "2007FDUIT",
4762     "LarosateID": -1,
4763     "Regelverk": {
4764         "Regelvarden": [
4765             {
4766                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4767                 "Uid": "c3d4f6b2-4629-11ec-8ce5-829094194c50",
4768                 "Varde": "grupp.for.utsokning.forskarniva"
4769             },
4770             {
4771                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
4772                 "Uid": "c3d4f6b4-4629-11ec-8ce5-829094194c50",
4773                 "Varde": "true"
4774             }

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4775     {
4776       "Regelnamn": "commons.domain.regel.individuell",
4777       "Uid": "c3d4f6b3-4629-11ec-8ce5-829094194c50",
4778       "Varde": "true"
4779     },
4780     {
4781       "Regelnamn": "commons.domain.regel.studieperiod.kan.laggas.till",
4782       "Uid": "c3d4f6b5-4629-11ec-8ce5-829094194c50",
4783       "Varde": "true"
4784     }
4785   ],
4786   "Uid": "c3d4f6b1-4629-11ec-8ce5-829094194c50"
4787 },
4788 "Sorteringsordning": 50,
4789 "StudieordningID": 1,
4790 "TillfalleInomUtbildningstyper": [
4791   152631,
4792   110915
4793 ],
4794 "UtbildningstyperInomUtbildningstyp": []
4795 },
4796 {
4797   "AvserTillfalle": false,
4798   "Benamning": {
4799     "sv": "Deltagande utan omfattning, grund- och avancerad niv\u00e5",
4800     "en": "Participation without scope, first and second cycle student"
4801   },
4802   "Beskrivning": {},
4803   "Dolt": false,
4804   "Giltighetsperiod": {},
4805   "Grundtyp": "KURS",
4806   "ID": "152633",
4807   "Kod": "2007GADU",
4808   "LarosateID": -1,
4809   "Regelverk": {
4810     "Regelvarden": [
4811       {
4812         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4813         "Uid": "3a8de079-462a-11ec-8ce5-829094194c50",
4814         "Varde": "grupp.for.utsokning.grundavanceradniva"
4815       },
4816       {
4817         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4818         "Uid": "3a8de07c-462a-11ec-8ce5-829094194c50",
4819         "Varde": "true"
4820       },
4821       {
4822         "Regelnamn": "commons.domain.regel.resultat",
4823         "Uid": "3a8de07d-462a-11ec-8ce5-829094194c50",
4824         "Varde": "false"

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4825     },
4826     {
4827       "Regelnamn": "commons.domain.regel.har.omfattning",
4828       "Uid": "3a8de07a-462a-11ec-8ce5-829094194c50",
4829       "Varde": "false"
4830     },
4831     {
4832       "Regelnamn": "commons.domain.regel.versionshanteras",
4833       "Uid": "3a8de07e-462a-11ec-8ce5-829094194c50",
4834       "Varde": "true"
4835     },
4836     {
4837       "Regelnamn": "commons.domain.regel.individuell",
4838       "Uid": "3a8de07b-462a-11ec-8ce5-829094194c50",
4839       "Varde": "false"
4840     }
4841   ],
4842   "Uid": "3a8de078-462a-11ec-8ce5-829094194c50"
4843 },
4844 "Sorteringsordning": 50,
4845 "StudieordningID": 1,
4846 "TillfalleInomUtbildningstyper": [],
4847 "UtbildningstyperInomUtbildningstyp": []
4848 },
4849 {
4850   "AvserTillfalle": true,
4851   "Benamning": {
4852     "sv": "Individuellt tillf\u00e4lle f\u00f6r deltagande utan omfattning, grund- och avancerad niv\u00e5",
4853     "en": "Course instance for participation without scope, first and second cycle student"
4854   },
4855   "Beskrivning": {},
4856   "Dolt": false,
4857   "Giltighetsperiod": {},
4858   "Grundtyp": "KURS",
4859   "ID": "152634",
4860   "Kod": "2007GADUITF",
4861   "LarosateID": -1,
4862   "Regelverk": {
4863     "Regelvarden": [
4864       {
4865         "Regelnamn": "commons.domain.regel.individuell",
4866         "Uid": "fac905e4-f2ea-11ec-b69c-de0a57354d79",
4867         "Varde": "true"
4868       },
4869       {
4870         "Regelnamn": "commons.domain.regel.studieperiod.kan.laggas.till",
4871         "Uid": "fac905e6-f2ea-11ec-b69c-de0a57354d79",
4872         "Varde": "true"
4873       }
4874     ]
4875   }
4876 }

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4875         "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4876         "Uid": "fac905e5-f2ea-11ec-b69c-de0a57354d79",
4877         "Varde": "true"
4878     },
4879     {
4880         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4881         "Uid": "fac905e3-f2ea-11ec-b69c-de0a57354d79",
4882         "Varde": "grupp.for.utsokning.grundavanceradniva"
4883     }
4884 ],
4885 "Uid": "aa197af5-462a-11ec-8ce5-829094194c50"
4886 },
4887 "Sorteringsordning": 50,
4888 "StudieordningID": 1,
4889 "TillfalleInomUtbildningstyper": [
4890     152633
4891 ],
4892 "UtbildningstyperInomUtbildningstyp": [],
4893 },
4894 {
4895     "AvserTillfalle": true,
4896     "Benamning": {
4897         "sv": "Tillf\u00e4lle f\u00f6r deltagande utan omfattning, grund- och avancerad niv\u00e5",
4898         "en": "Course instance for participation without scope, first and second cycle student"
4899     },
4900     "Beskrivning": {},
4901     "Dolt": false,
4902     "Giltighetsperiod": {},
4903     "Grundtyp": "KURS",
4904     "ID": "152635",
4905     "Kod": "2007GADUTF",
4906     "LarosateID": -1,
4907     "Regelverk": {
4908         "Regelvarden": [
4909             {
4910                 "Regelnamn": "commons.domain.regel.har.omfattning",
4911                 "Uid": "689f0e13-1e29-11ed-8ee2-089534b14047",
4912                 "Varde": "false"
4913             },
4914             {
4915                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
4916                 "Uid": "689f0e12-1e29-11ed-8ee2-089534b14047",
4917                 "Varde": "true"
4918             },
4919             {
4920                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4921                 "Uid": "689ebff1-1e29-11ed-8ee2-089534b14047",
4922                 "Varde": "grupp.for.utsokning.grundavanceradniva"
4923             }
4924         ]

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4925         "UId": "10ec91ea-462b-11ec-8ce5-829094194c50"
4926     },
4927     "Sorteringsordning": 50,
4928     "StudieordningID": 1,
4929     "TillfalleInomUtbildningstyper": [
4930         152633
4931     ],
4932     "UtbildningstyperInomUtbildningstyp": []
4933 },
4934 {
4935     "AvserTillfalle": false,
4936     "Benamning": {
4937         "sv": "Kurspaket",
4938         "en": "Course package"
4939     },
4940     "Beskrivning": {},
4941     "Dolt": false,
4942     "Giltighetsperiod": {},
4943     "Grundtyp": "KURSPAKETERING",
4944     "ID": "154131",
4945     "Kod": "UPHPKP",
4946     "LarosateID": -1,
4947     "Regelverk": {
4948         "Regelvarden": [
4949             {
4950                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdagsutbildning",
4951                 "UId": "16bb6bda-0509-11ee-b40a-f28ad46341da",
4952                 "Varde": "true"
4953             },
4954             {
4955                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
4956                 "UId": "16bb6bd9-0509-11ee-b40a-f28ad46341da",
4957                 "Varde": "grupp.for.utsokning.uppdagsutbildning"
4958             },
4959             {
4960                 "Regelnamn": "commons.domain.regel.ar_kurspaket",
4961                 "UId": "16bb6bdb-0509-11ee-b40a-f28ad46341da",
4962                 "Varde": "true"
4963             }
4964         ],
4965         "UId": "15aae9be-28fe-11ed-bbb6-2ba689e94455"
4966     },
4967     "Sorteringsordning": 5,
4968     "StudieordningID": 17,
4969     "TillfalleInomUtbildningstyper": [],
4970     "UtbildningstyperInomUtbildningstyp": [
4971         101993,
4972         101992
4973     ]
4974 },

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4975     {
4976       "AvserTillfalle": true,
4977       "Benamning": {
4978         "sv": "Kurspakettillf\u00e4lle",
4979         "en": "Course package instance"
4980       },
4981       "Beskrivning": {},
4982       "Dolt": false,
4983       "Giltighetsperiod": {},
4984       "Grundtyp": "KURSPAKETERING",
4985       "ID": "154132",
4986       "Kod": "UPHPKPTF",
4987       "LarosateID": -1,
4988       "Regelverk": {
4989         "Regelvarden": [
4990           {
4991             "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdraagsutbildning",
4992             "Uid": "039baa40-0506-11ee-b40a-f28ad46341da",
4993             "Varde": "true"
4994           },
4995           {
4996             "Regelnamn": "commons.domain.regel.kan.utannonseras",
4997             "Uid": "039baa41-0506-11ee-b40a-f28ad46341da",
4998             "Varde": "true"
4999           },
5000           {
5001             "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5002             "Uid": "039baa3f-0506-11ee-b40a-f28ad46341da",
5003             "Varde": "grupp.for.utsokning.uppdraagsutbildning"
5004           },
5005           {
5006             "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
5007             "Uid": "039baa42-0506-11ee-b40a-f28ad46341da",
5008             "Varde": "varning"
5009           },
5010           {
5011             "Regelnamn": "commons.domain.regel.ar_kurspaket",
5012             "Uid": "039baa43-0506-11ee-b40a-f28ad46341da",
5013             "Varde": "true"
5014           }
5015         ],
5016         "Uid": "74ca90cd-28fe-11ed-bbb6-2ba689e94455"
5017       },
5018       "Sorteringsordning": 50,
5019       "StudieordningID": 17,
5020       "TillfalleInomUtbildningstyper": [
5021         154131
5022       ],
5023       "UtbildningstyperInomUtbildningstyp": [
5024         101993,

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5025         101992,
5026         101994
5027     ]
5028 },
5029 {
5030     "AvserTillfalle": false,
5031     "Benamning": {
5032         "sv": "Individuell kurs, grundniv\u00e5, inresande",
5033         "en": "Individual first-cycle course, incoming student"
5034     },
5035     "Beskrivning": {},
5036     "Dolt": false,
5037     "Giltighetsperiod": {},
5038     "Grundtyp": "KURS",
5039     "ID": "101380",
5040     "Kod": "2007IKURS",
5041     "LarosateID": -1,
5042     "NivaInomStudieordningID": 1,
5043     "Regelverk": {
5044         "Regelvarden": [
5045             {
5046                 "Regelnamn": "commons.domain.regel.individuell",
5047                 "Uid": "50a8d759-ee40-11e8-9270-17395ad8480f",
5048                 "Varde": "true"
5049             },
5050             {
5051                 "Regelnamn": "commons.domain.regel.versionshanteras",
5052                 "Uid": "50a8d75a-ee40-11e8-9270-17395ad8480f",
5053                 "Varde": "false"
5054             },
5055             {
5056                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
5057                 "Uid": "50a8d758-ee40-11e8-9270-17395ad8480f",
5058                 "Varde": "true"
5059             },
5060             {
5061                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5062                 "Uid": "50a8d757-ee40-11e8-9270-17395ad8480f",
5063                 "Varde": "true"
5064             },
5065             {
5066                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5067                 "Uid": "50a8d75b-ee40-11e8-9270-17395ad8480f",
5068                 "Varde": "grupp.for.utsokning.grundavanceradniva"
5069             },
5070             {
5071                 "Regelnamn": "commons.domain.regel.avbrottsregel",
5072                 "Uid": "50a8d75c-ee40-11e8-9270-17395ad8480f",
5073                 "Varde": "20"
5074             }

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5075     ],
5076     "UId": "7c76367b-7a6b-11e6-8419-0812bb95460f"
5077 },
5078 "Sorteringsordning": 10,
5079 "StudieordningID": 1,
5080 "TillfalleInomUtbildningstyper": [],
5081 "UtbildningstyperInomUtbildningstyp": [
5082     3,
5083     4
5084 ]
5085 },
5086 {
5087     "AvserTillfalle": true,
5088     "Benamning": {
5089         "sv": "Individuellt kurstillf\u00e4lle",
5090         "en": "Individual course instance"
5091     },
5092     "Beskrivning": {},
5093     "Dolt": false,
5094     "Giltighetsperiod": {},
5095     "Grundtyp": "KURS",
5096     "ID": "101381",
5097     "Kod": "2007IKTF",
5098     "LarosateID": -1,
5099     "Regelverk": {
5100         "Regelvarden": [
5101             {
5102                 "Regelnamn": "commons.domain.regel.individuell",
5103                 "UId": "97513edd-b803-11ed-8cb2-324fb1124949",
5104                 "Varde": "true"
5105             },
5106             {
5107                 "Regelnamn": "commons.domain.regel.atgard_vid_overskriden_terminsgrans",
5108                 "UId": "97513ee0-b803-11ed-8cb2-324fb1124949",
5109                 "Varde": "varning"
5110             },
5111             {
5112                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5113                 "UId": "97513edc-b803-11ed-8cb2-324fb1124949",
5114                 "Varde": "grupp.for.utsokning.grundavanceradniva"
5115             },
5116             {
5117                 "Regelnamn": "commons.domain.regel.informationsbehorighet.grundavancerad",
5118                 "UId": "97513ede-b803-11ed-8cb2-324fb1124949",
5119                 "Varde": "true"
5120             },
5121             {
5122                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5123                 "UId": "97513edf-b803-11ed-8cb2-324fb1124949",
5124                 "Varde": "true"

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5125     }
5126   ],
5127   "UId": "ce31accb-7a6b-11e6-8419-0812bb95460f"
5128 },
5129 "Sorteringsordning": 10,
5130 "StudieordningID": 1,
5131 "TillfalleInomUtbildningstyper": [
5132   105630,
5133   22,
5134   106390,
5135   105631,
5136   101380,
5137   24
5138 ],
5139 "UtbildningstyperInomUtbildningstyp": []
5140 },
5141 {
5142   "AvserTillfalle": true,
5143   "Benamning": {
5144     "sv": "Kurstillf\u00e4lle",
5145     "en": "Course instance"
5146   },
5147   "Beskrivning": {},
5148   "Dolt": false,
5149   "Giltighetsperiod": {},
5150   "Grundtyp": "KURS",
5151   "ID": "101382",
5152   "Kod": "FUPKTF",
5153   "LarosateID": -1,
5154   "Regelverk": {
5155     "Regelvarden": [
5156       {
5157         "Regelnamn": "commons.domain.regel.kan.utannonseras",
5158         "UId": "727b99a3-e80a-11e8-b1f1-65de97d74aa5",
5159         "Varde": "true"
5160       },
5161       {
5162         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5163         "UId": "727b99a2-e80a-11e8-b1f1-65de97d74aa5",
5164         "Varde": "grupp.for.utsokning.forutbildning"
5165       },
5166       {
5167         "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
5168         "UId": "727b99a1-e80a-11e8-b1f1-65de97d74aa5",
5169         "Varde": "true"
5170       },
5171       {
5172         "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5173         "UId": "727b99a4-e80a-11e8-b1f1-65de97d74aa5",
5174         "Varde": "true"

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5175     }
5176   ],
5177   "UId": "72f09f80-8562-11e6-92a1-a50a597744a2"
5178 },
5179 "Sorteringsordning": 50,
5180 "StudieordningID": 3,
5181 "TillfalleInomUtbildningstyper": [
5182   101378
5183 ],
5184 "UtbildningstyperInomUtbildningstyp": []
5185 },
5186 {
5187   "AvserTillfalle": false,
5188   "Benamning": {
5189     "sv": "Utbytes\u00e5tagande, utresande",
5190     "en": "Exchange load, outgoing student"
5191   },
5192   "Beskrivning": {},
5193   "Dolt": false,
5194   "Giltighetsperiod": {},
5195   "Grundtyp": "KURS",
5196   "ID": "101730",
5197   "Kod": "2007UAT",
5198   "LarosateID": -1,
5199   "Regelverk": {
5200     "Regelvarden": [
5201       {
5202         "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
5203         "UId": "8d3ebf51-ee3f-11e8-9270-17395ad8480f",
5204         "Varde": "true"
5205       },
5206       {
5207         "Regelnamn": "commons.domain.regel.versionshanteras",
5208         "UId": "8d3ebf53-ee3f-11e8-9270-17395ad8480f",
5209         "Varde": "false"
5210       },
5211       {
5212         "Regelnamn": "commons.domain.regel.resultat",
5213         "UId": "8d3ebf54-ee3f-11e8-9270-17395ad8480f",
5214         "Varde": "false"
5215       },
5216       {
5217         "Regelnamn": "commons.domain.regel.avbrottsregel",
5218         "UId": "8d3ebf56-ee3f-11e8-9270-17395ad8480f",
5219         "Varde": "20"
5220       },
5221       {
5222         "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5223         "UId": "8d3ebf52-ee3f-11e8-9270-17395ad8480f",
5224         "Varde": "true"

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5225     },
5226     {
5227         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5228         "Uid": "8d3ebf55-ee3f-11e8-9270-17395ad8480f",
5229         "Varde": "grupp.for.utsokning.grundavanceradniva"
5230     }
5231 ],
5232 "Uid": "6c9d565e-9a8f-11e6-a0ec-9788925c400e"
5233 },
5234 "Sorteringsordning": 11,
5235 "StudieordningID": 1,
5236 "TillfalleInomUtbildningstyper": [],
5237 "UtbildningstyperInomUtbildningstyp": []
5238 },
5239 {
5240     "AvserTillfalle": true,
5241     "Benamning": {
5242         "sv": "Individuellt tillf\u00e4lle f\u00f6r utbytes\u00e5tagande, utresande",
5243         "en": "Individual exchange load instance, outgoing student"
5244     },
5245     "Beskrivning": {},
5246     "Dolt": false,
5247     "Giltighetsperiod": {},
5248     "Grundtyp": "KURS",
5249     "ID": "101731",
5250     "Kod": "2007UATTF",
5251     "LarosateID": -1,
5252     "Regelverk": {
5253         "Regelvarden": [
5254             {
5255                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5256                 "Uid": "693cdf00-ee3e-11e8-9270-17395ad8480f",
5257                 "Varde": "grupp.for.utsokning.grundavanceradniva"
5258             },
5259             {
5260                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5261                 "Uid": "693cdf03-ee3e-11e8-9270-17395ad8480f",
5262                 "Varde": "true"
5263             },
5264             {
5265                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
5266                 "Uid": "693cdf01-ee3e-11e8-9270-17395ad8480f",
5267                 "Varde": "true"
5268             },
5269             {
5270                 "Regelnamn": "commons.domain.regel.individuell",
5271                 "Uid": "693cdf02-ee3e-11e8-9270-17395ad8480f",
5272                 "Varde": "true"
5273             }
5274         ]

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5275         "UId": "0b3ddbad-9a90-11e6-a0ec-9788925c400e"
5276     },
5277     "Sorteringsordning": 50,
5278     "StudieordningID": 1,
5279     "TillfalleInomUtbildningstyper": [
5280         101730,
5281         104308
5282     ],
5283     "UtbildningstyperInomUtbildningstyp": []
5284 },
5285 {
5286     "AvserTillfalle": false,
5287     "Benamning": {
5288         "sv": "Individuellt \u00e5tagande, forskarniv\u00e5",
5289         "en": "Individual load, Third-cycle"
5290     },
5291     "Beskrivning": {},
5292     "Dolt": false,
5293     "Giltighetsperiod": {},
5294     "Grundtyp": "KURS",
5295     "ID": "101950",
5296     "Kod": "2007FAT",
5297     "LarosateID": -1,
5298     "NivaInomStudieordningID": 3,
5299     "Regelverk": {
5300         "Regelvarden": [
5301             {
5302                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5303                 "UId": "53daf451-e96f-11e8-9df7-dac5c1184137",
5304                 "Varde": "grupp.for.utsokning.forskarniva"
5305             },
5306             {
5307                 "Regelnamn": "commons.domain.regel.versionshanteras",
5308                 "UId": "53daf450-e96f-11e8-9df7-dac5c1184137",
5309                 "Varde": "false"
5310             },
5311             {
5312                 "Regelnamn": "commons.domain.regel.individuell",
5313                 "UId": "53daf44f-e96f-11e8-9df7-dac5c1184137",
5314                 "Varde": "true"
5315             },
5316             {
5317                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
5318                 "UId": "53dacd3e-e96f-11e8-9df7-dac5c1184137",
5319                 "Varde": "true"
5320             }
5321         ],
5322         "UId": "de8470f7-a751-11e6-bc5d-3b8bbccc4a18"
5323     },
5324     "Sorteringsordning": 9,

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5325     "StudieordningID": 1,
5326     "TillfalleInomUtbildningstyper": [],
5327     "UtbildningstyperInomUtbildningstyp": [
5328         3,
5329         4
5330     ]
5331 },
5332 {
5333     "AvserTillfalle": true,
5334     "Benamning": {
5335         "sv": "Tillf\u00e4lle f\u00f6r individuellt \u00e5tagande, forskarniv\u00e5",
5336         "en": "Individual load instance, Third-cycle"
5337     },
5338     "Beskrivning": {},
5339     "Dolt": false,
5340     "Giltighetsperiod": {},
5341     "Grundtyp": "KURS",
5342     "ID": "101951",
5343     "Kod": "2007FATTF",
5344     "LarosateID": -1,
5345     "Regelverk": {
5346         "Regelvarden": [
5347             {
5348                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5349                 "Uid": "49741a2a-e80b-11e8-b1f1-65de97d74aa5",
5350                 "Varde": "grupp.for.utsokning.forskarniva"
5351             },
5352             {
5353                 "Regelnamn": "commons.domain.regel.individuell",
5354                 "Uid": "49741a28-e80b-11e8-b1f1-65de97d74aa5",
5355                 "Varde": "true"
5356             },
5357             {
5358                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
5359                 "Uid": "49741a29-e80b-11e8-b1f1-65de97d74aa5",
5360                 "Varde": "true"
5361             }
5362         ],
5363         "Uid": "3100c652-a752-11e6-bc5d-3b8bbccc4a18"
5364     },
5365     "Sorteringsordning": 50,
5366     "StudieordningID": 1,
5367     "TillfalleInomUtbildningstyper": [
5368         101950
5369     ],
5370     "UtbildningstyperInomUtbildningstyp": []
5371 },
5372 {
5373     "AvserTillfalle": false,
5374     "Benamning": {

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5375         "sv": "Program",
5376         "en": "Programme"
5377     },
5378     "Beskrivning": {},
5379     "Dolt": false,
5380     "Giltighetsperiod": {},
5381     "Grundtyp": "KURSPAKETERING",
5382     "ID": "102070",
5383     "Kod": "FUVPRG",
5384     "LarosateID": -1,
5385     "Regelverk": {
5386         "Regelvarden": [
5387             {
5388                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
5389                 "Uid": "ff1795fe-e0de-11ec-bb44-ad608ddd4f32",
5390                 "Varde": "true"
5391             },
5392             {
5393                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5394                 "Uid": "ff1795fd-e0de-11ec-bb44-ad608ddd4f32",
5395                 "Varde": "grupp.for.utsokning.forutbildning"
5396             },
5397             {
5398                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5399                 "Uid": "ff1795ff-e0de-11ec-bb44-ad608ddd4f32",
5400                 "Varde": "true"
5401             },
5402             {
5403                 "Regelnamn": "commons.domain.regel.kan_ha_plan_for_utbildning",
5404                 "Uid": "ff179600-e0de-11ec-bb44-ad608ddd4f32",
5405                 "Varde": "true"
5406             }
5407         ],
5408         "Uid": "56914cc6-ec5f-11e6-8a84-352cf9f6431e"
5409     },
5410     "Sorteringsordning": 4,
5411     "StudieordningID": 4,
5412     "TillfalleInomUtbildningstyper": [],
5413     "UtbildningstyperInomUtbildningstyp": [
5414         22,
5415         102009,
5416         102072
5417     ]
5418 },
5419 {
5420     "AvserTillfalle": true,
5421     "Benamning": {
5422         "sv": "Programtillf\u00e4lle",
5423         "en": "Programme instance"
5424     },

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5425     "Beskrivning": {},
5426     "Dolt": false,
5427     "Giltighetsperiod": {},
5428     "Grundtyp": "KURSPAKETERING",
5429     "ID": "102071",
5430     "Kod": "FUVPRGTF",
5431     "LarosateID": -1,
5432     "Regelverk": {
5433       "Regelvarden": [
5434         {
5435           "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
5436           "Uid": "4562665f-b804-11ed-8cb2-324fb1124949",
5437           "Varde": "true"
5438         },
5439         {
5440           "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5441           "Uid": "45626660-b804-11ed-8cb2-324fb1124949",
5442           "Varde": "true"
5443         },
5444         {
5445           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5446           "Uid": "4562665e-b804-11ed-8cb2-324fb1124949",
5447           "Varde": "grupp.for.utsokning.forutbildning"
5448         },
5449         {
5450           "Regelnamn": "commons.domain.regel.atgard_vid_orimligt_omfattningsvarde",
5451           "Uid": "45626662-b804-11ed-8cb2-324fb1124949",
5452           "Varde": "varning"
5453         },
5454         {
5455           "Regelnamn": "commons.domain.regel.kan.utannonseras",
5456           "Uid": "45626661-b804-11ed-8cb2-324fb1124949",
5457           "Varde": "true"
5458         }
5459       ],
5460       "Uid": "0060eaf7-4c22-11e7-8c70-788c557b416a"
5461     },
5462     "Sorteringsordning": 50,
5463     "StudieordningID": 4,
5464     "TillfalleInomUtbildningstyper": [
5465       102070
5466     ],
5467     "UtbildningstyperInomUtbildningstyp": [
5468       52,
5469       102011,
5470       22,
5471       102073,
5472       102009,
5473       102072
5474     ]

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5475     },
5476     {
5477         "AvserTillfalle": false,
5478         "Benamning": {
5479             "sv": "Inriktning",
5480             "en": "Specialisation"
5481         },
5482         "Beskrivning": {},
5483         "Dolt": false,
5484         "Giltighetsperiod": {},
5485         "Grundtyp": "KURSPAKETERING",
5486         "ID": "102072",
5487         "Kod": "FUVINR",
5488         "LarosateID": -1,
5489         "Regelverk": {
5490             "Regelvarden": [
5491                 {
5492                     "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
5493                     "Uid": "31ef0a8a-c4d8-11e9-ae13-dc75864a44bd",
5494                     "Varde": "true"
5495                 },
5496                 {
5497                     "Regelnamn": "commons.domain.regel.sjalvstandig",
5498                     "Uid": "31ef0a8c-c4d8-11e9-ae13-dc75864a44bd",
5499                     "Varde": "false"
5500                 },
5501                 {
5502                     "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5503                     "Uid": "31ef0a89-c4d8-11e9-ae13-dc75864a44bd",
5504                     "Varde": "grupp.for.utsokning.forutbildning"
5505                 },
5506                 {
5507                     "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5508                     "Uid": "31ef0a8b-c4d8-11e9-ae13-dc75864a44bd",
5509                     "Varde": "true"
5510                 }
5511             ],
5512             "Uid": "c49ecb36-b097-11e6-8b31-75fe98e9451b"
5513         },
5514         "Sorteringsordning": 50,
5515         "StudieordningID": 4,
5516         "TillfalleInomUtbildningstyper": [],
5517         "UtbildningstyperInomUtbildningstyp": [
5518             22,
5519             102009
5520         ]
5521     },
5522     {
5523         "AvserTillfalle": true,
5524         "Benamning": {

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5525     "sv": "Inriktningstillf\u00e4lle",
5526     "en": "Specialisation instance"
5527 },
5528 "Beskrivning": {},
5529 "Dolt": false,
5530 "Giltighetsperiod": {},
5531 "Grundtyp": "KURSPAKETERING",
5532 "ID": "102073",
5533 "Kod": "FUVINRTF",
5534 "LarosateID": -1,
5535 "Regelverk": {
5536   "Regelvarden": [
5537     {
5538       "Regelnamn": "commons.domain.regel.informationsbehorighet.forutbildning",
5539       "Uid": "d042ceec-c4d8-11e9-ae13-dc75864a44bd",
5540       "Varde": "true"
5541     },
5542     {
5543       "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
5544       "Uid": "d042ceed-c4d8-11e9-ae13-dc75864a44bd",
5545       "Varde": "true"
5546     },
5547     {
5548       "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5549       "Uid": "d042ceeb-c4d8-11e9-ae13-dc75864a44bd",
5550       "Varde": "grupp.for.utsokning.forutbildning"
5551     }
5552   ],
5553   "Uid": "3d290b1f-8d66-11e7-ab6f-ced203c74a20"
5554 },
5555 "Sorteringsordning": 50,
5556 "StudieordningID": 4,
5557 "TillfalleInomUtbildningstyper": [
5558   102072
5559 ],
5560 "UtbildningstyperInomUtbildningstyp": [
5561   52,
5562   102011,
5563   22,
5564   102009
5565 ]
5566 },
5567 {
5568   "AvserTillfalle": false,
5569   "Benamning": {
5570     "sv": "Utbytes\u00e5tagande, utresande",
5571     "en": "Exchange load, outgoing student"
5572   },
5573   "Beskrivning": {},
5574   "Dolt": false,

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5575     "Giltighetsperiod": {},
5576     "Grundtyp": "KURS",
5577     "ID": "103210",
5578     "Kod": "1993UAT",
5579     "LarosateID": -1,
5580     "NivaInomStudieordningID": 4,
5581     "Regelverk": {
5582         "Regelvarden": [
5583             {
5584                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5585                 "Uid": "3086e12c-e80b-11e8-b1f1-65de97d74aa5",
5586                 "Varde": "grupp.for.utsokning.grundavanceradniva"
5587             },
5588             {
5589                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
5590                 "Uid": "3086e12f-e80b-11e8-b1f1-65de97d74aa5",
5591                 "Varde": "true"
5592             },
5593             {
5594                 "Regelnamn": "commons.domain.regel.resultat",
5595                 "Uid": "3086e12e-e80b-11e8-b1f1-65de97d74aa5",
5596                 "Varde": "false"
5597             },
5598             {
5599                 "Regelnamn": "commons.domain.regel.avbrottsregel",
5600                 "Uid": "3086e12b-e80b-11e8-b1f1-65de97d74aa5",
5601                 "Varde": "20"
5602             },
5603             {
5604                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5605                 "Uid": "3086e12d-e80b-11e8-b1f1-65de97d74aa5",
5606                 "Varde": "true"
5607             },
5608             {
5609                 "Regelnamn": "commons.domain.regel.versionshanteras",
5610                 "Uid": "3086e12a-e80b-11e8-b1f1-65de97d74aa5",
5611                 "Varde": "false"
5612             }
5613         ],
5614         "Uid": "970d435e-df08-11e6-a087-d9bc48df4ffb"
5615     },
5616     "Sorteringsordning": 11,
5617     "StudieordningID": 2,
5618     "TillfalleInomUtbildningstyper": [],
5619     "UtbildningstyperInomUtbildningstyp": []
5620 },
5621 {
5622     "AvserTillfalle": true,
5623     "Benamning": {
5624         "sv": "Individuellt tillf\u00e4lle f\u00f6r utbytes\u00e5tagande, utresande",

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5625     "en": "Individual exchange load instance, outgoing student"
5626 },
5627 "Beskrivning": {},
5628 "Dolt": false,
5629 "Giltighetsperiod": {},
5630 "Grundtyp": "KURS",
5631 "ID": "103211",
5632 "Kod": "1993UATTF",
5633 "LarosateID": -1,
5634 "Regelverk": {
5635     "Regelvarden": [
5636         {
5637             "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5638             "Uid": "fd7baaa3-e809-11e8-b1f1-65de97d74aa5",
5639             "Varde": "true"
5640         },
5641         {
5642             "Regelnamn": "commons.domain.regel.individuell",
5643             "Uid": "fd7baaa2-e809-11e8-b1f1-65de97d74aa5",
5644             "Varde": "true"
5645         },
5646         {
5647             "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
5648             "Uid": "fd7baaa1-e809-11e8-b1f1-65de97d74aa5",
5649             "Varde": "true"
5650         },
5651         {
5652             "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5653             "Uid": "fd7baaa0-e809-11e8-b1f1-65de97d74aa5",
5654             "Varde": "grupp.for.utsokning.grundavanceradniva"
5655         }
5656     ],
5657     "Uid": "612e1b35-df09-11e6-a087-d9bc48df4ffb"
5658 },
5659 "Sorteringsordning": 50,
5660 "StudieordningID": 2,
5661 "TillfalleInomUtbildningstyper": [
5662     103210
5663 ],
5664 "UtbildningstyperInomUtbildningstyp": []
5665 },
5666 {
5667     "AvserTillfalle": false,
5668     "Benamning": {
5669         "sv": "Individuellt utbytes\u00e5tagande, utresande",
5670         "en": "Individual exchange load, outgoing student"
5671     },
5672     "Beskrivning": {},
5673     "Dolt": false,
5674     "Giltighetsperiod": {},

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5675     "Grundtyp": "KURS",
5676     "ID": "104308",
5677     "Kod": "2007IUAT",
5678     "LarosateID": -1,
5679     "Regelverk": {
5680         "Regelvarden": [
5681             {
5682                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
5683                 "Uid": "d658ffc8-ee3e-11e8-9270-17395ad8480f",
5684                 "Varde": "true"
5685             },
5686             {
5687                 "Regelnamn": "commons.domain.regel.resultat",
5688                 "Uid": "d658ffcc-ee3e-11e8-9270-17395ad8480f",
5689                 "Varde": "false"
5690             },
5691             {
5692                 "Regelnamn": "commons.domain.regel.avbrottsregel",
5693                 "Uid": "d658ffc6-ee3e-11e8-9270-17395ad8480f",
5694                 "Varde": "20"
5695             },
5696             {
5697                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5698                 "Uid": "d658ffca-ee3e-11e8-9270-17395ad8480f",
5699                 "Varde": "grupp.for.utsokning.grundavanceradniva"
5700             },
5701             {
5702                 "Regelnamn": "commons.domain.regel.versionshanteras",
5703                 "Uid": "d658ffcb-ee3e-11e8-9270-17395ad8480f",
5704                 "Varde": "false"
5705             },
5706             {
5707                 "Regelnamn": "commons.domain.regel.individuell",
5708                 "Uid": "d658ffc9-ee3e-11e8-9270-17395ad8480f",
5709                 "Varde": "true"
5710             },
5711             {
5712                 "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
5713                 "Uid": "d658ffc7-ee3e-11e8-9270-17395ad8480f",
5714                 "Varde": "true"
5715             }
5716         ],
5717         "Uid": "c587e866-0da6-11e7-b8b0-4d9918684924"
5718     },
5719     "Sorteringsordning": 12,
5720     "StudieordningID": 1,
5721     "TillfalleInomUtbildningstyper": [],
5722     "UtbildningstyperInomUtbildningstyp": []
5723 },
5724 {

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5725     "AvserTillfalle": true,
5726     "Benamning": {
5727       "sv": "YH-utbildningstillf\u00e4lle",
5728       "en": "HVE programme instance"
5729   },
5730   "Beskrivning": {},
5731   "Dolt": false,
5732   "Giltighetsperiod": {},
5733   "Grundtyp": "KURSPAKETERING",
5734   "ID": "109979",
5735   "Kod": "YHUTBTF",
5736   "LarosateID": -1,
5737   "Regelverk": {
5738     "Regelvarden": [
5739       {
5740         "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5741         "Uid": "2956f8df-e80b-11e8-b1f1-65de97d74aa5",
5742         "Varde": "grupp.for.utsokning.yhutbildning"
5743       },
5744       {
5745         "Regelnamn": "commons.domain.regel.informationsbehorighet.yh.utbildning",
5746         "Uid": "2956f8e0-e80b-11e8-b1f1-65de97d74aa5",
5747         "Varde": "true"
5748       }
5749     ],
5750     "Uid": "2b7549c4-99fa-11e7-953e-c08a46b0419e"
5751   },
5752   "Sorteringsordning": 50,
5753   "StudieordningID": 5,
5754   "TillfalleInomUtbildningstyper": [
5755     109977
5756   ],
5757   "UtbildningstyperInomUtbildningstyp": [
5758     109978,
5759     109980
5760   ]
5761 },
5762 {
5763   "AvserTillfalle": true,
5764   "Benamning": {
5765     "sv": "Kurstillf\u00e4lle",
5766     "en": "Course instance"
5767   },
5768   "Beskrivning": {},
5769   "Dolt": false,
5770   "Giltighetsperiod": {},
5771   "Grundtyp": "KURS",
5772   "ID": "109980",
5773   "Kod": "YHKTF",
5774   "LarosateID": -1,

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5775     "Regelverk": {
5776       "Regelvarden": [
5777         {
5778           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5779           "UId": "a2670e8d-e80a-11e8-b1f1-65de97d74aa5",
5780           "Varde": "grupp.for.utsokning.yhutbildning"
5781         },
5782         {
5783           "Regelnamn": "commons.domain.regel.informationsbehorighet.yh.utbildning",
5784           "UId": "a2670e8c-e80a-11e8-b1f1-65de97d74aa5",
5785           "Varde": "true"
5786         }
5787       ],
5788       "UId": "7eb84ace-99fa-11e7-953e-c08a46b0419e"
5789     },
5790     "Sorteringsordning": 50,
5791     "StudieordningID": 5,
5792     "TillfalleInomUtbdningstyper": [
5793       109978
5794     ],
5795     "UtbdningstyperInomUtbdningstyp": []
5796   },
5797   {
5798     "AvserTillfalle": true,
5799     "Benamning": {
5800       "sv": "Kurstillf\u00e4lle",
5801       "en": "Course instance"
5802     },
5803     "Beskrivning": {},
5804     "Dolt": false,
5805     "Giltighetsperiod": {},
5806     "Grundtyp": "KURS",
5807     "ID": "121176",
5808     "Kod": "FHSKTF",
5809     "LarosateID": -1,
5810     "Regelverk": {
5811       "Regelvarden": [],
5812       "UId": "4f1ca850-dcec-11e7-9840-bee5623b4e1b"
5813     },
5814     "Sorteringsordning": 50,
5815     "StudieordningID": 16,
5816     "TillfalleInomUtbdningstyper": [
5817       121175
5818     ],
5819     "UtbdningstyperInomUtbdningstyp": []
5820   },
5821   {
5822     "AvserTillfalle": false,
5823     "Benamning": {
5824       "sv": "Modul",

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5825     "en": "Module"
5826 },
5827 "Beskrivning": {},
5828 "Dolt": false,
5829 "Giltighetsperiod": {},
5830 "Grundtyp": "MODUL",
5831 "ID": "121177",
5832 "Kod": "FHSMOD",
5833 "LarosateID": -1,
5834 "Regelverk": {
5835     "Regelvarden": [
5836         {
5837             "Regelnamn": "commons.domain.regel.versionshanteras",
5838             "Uid": "b3b37666-e80a-11e8-b1f1-65de97d74aa5",
5839             "Varde": "false"
5840         },
5841         {
5842             "Regelnamn": "commons.domain.regel.sjalvstandig",
5843             "Uid": "b3b37665-e80a-11e8-b1f1-65de97d74aa5",
5844             "Varde": "false"
5845         }
5846     ],
5847     "Uid": "8b1f5b11-dcec-11e7-9840-bee5623b4e1b"
5848 },
5849 "Sorteringsordning": 50,
5850 "StudieordningID": 16,
5851 "TillfalleInomUtbildningstyper": [],
5852 "UtbildningstyperInomUtbildningstyp": []
5853 },
5854 {
5855     "AvserTillfalle": false,
5856     "Benamning": {
5857         "sv": "Modul",
5858         "en": "Module"
5859     },
5860     "Beskrivning": {},
5861     "Dolt": false,
5862     "Giltighetsperiod": {},
5863     "Grundtyp": "MODUL",
5864     "ID": "121257",
5865     "Kod": "FUTMOD",
5866     "LarosateID": -1,
5867     "Regelverk": {
5868         "Regelvarden": [
5869             {
5870                 "Regelnamn": "commons.domain.regel.sjalvstandig",
5871                 "Uid": "b816f7ac-e80a-11e8-b1f1-65de97d74aa5",
5872                 "Varde": "false"
5873             },
5874             {

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5875         "Regelnamn": "commons.domain.regel.versionshanteras",
5876         "UId": "b816f7ab-e80a-11e8-b1f1-65de97d74aa5",
5877         "Varde": "false"
5878     }
5879 ],
5880     "UId": "b8cdc67a-dffe-11e7-9f28-4af5bbf04807"
5881 },
5882 "Sorteringsordning": 50,
5883 "StudieordningID": 12,
5884 "TillfalleInomUtbildningstyper": [],
5885 "UtbildningstyperInomUtbildningstyp": []
5886 },
5887 {
5888     "AvserTillfalle": false,
5889     "Benamning": {
5890         "sv": "Kurs",
5891         "en": "Course"
5892     },
5893     "Beskrivning": {},
5894     "Dolt": false,
5895     "Giltighetsperiod": {},
5896     "Grundtyp": "KURS",
5897     "ID": "121258",
5898     "Kod": "FUTKURS",
5899     "LarosateID": -1,
5900     "Regelverk": {
5901         "Regelvarde": [],
5902         "UId": "1e4879a5-dfff-11e7-9f28-4af5bbf04807"
5903     },
5904     "Sorteringsordning": 1,
5905     "StudieordningID": 12,
5906     "TillfalleInomUtbildningstyper": [],
5907     "UtbildningstyperInomUtbildningstyp": [
5908         121257
5909     ]
5910 },
5911 {
5912     "AvserTillfalle": true,
5913     "Benamning": {
5914         "sv": "Kurstillf\u00e4lle",
5915         "en": "Course instance"
5916     },
5917     "Beskrivning": {},
5918     "Dolt": false,
5919     "Giltighetsperiod": {},
5920     "Grundtyp": "KURS",
5921     "ID": "121259",
5922     "Kod": "FUTKTF",
5923     "LarosateID": -1,
5924     "Regelverk": {

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5925         "Regelvarden": [],
5926         "Uid": "6e7a90b4-dfff-11e7-9f28-4af5bbf04807"
5927     },
5928     "Sorteringsordning": 50,
5929     "StudieordningID": 12,
5930     "TillfalleInomUtbildningstyper": [
5931         121258
5932     ],
5933     "UtbildningstyperInomUtbildningstyp": []
5934 },
5935 {
5936     "AvserTillfalle": false,
5937     "Benamning": {
5938         "sv": "Kurs, forskarniv\u00e5 (inkl. attribut fr\u00e5n grundniv\u00e5 och avancerad niv\u00e5)",
5939         "en": "Course, Third-cycle (including first-cycle and second-cycle attributes)"
5940     },
5941     "Beskrivning": {
5942         "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
5943     },
5944     "Dolt": false,
5945     "Giltighetsperiod": {},
5946     "Grundtyp": "KURS",
5947     "ID": "121910",
5948     "Kod": "20073KURS",
5949     "LarosateID": -1,
5950     "NivaInomStudieordningID": 3,
5951     "Regelverk": {
5952         "Regelvarden": [
5953             {
5954                 "Regelnamn": "commons.domain.regel.avbrottsregel",
5955                 "Uid": "0e38c1d6-e97b-11e8-9df7-dac5c1184137",
5956                 "Varde": "20"
5957             },
5958             {
5959                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5960                 "Uid": "0e38c1d7-e97b-11e8-9df7-dac5c1184137",
5961                 "Varde": "grupp.for.utsokning.forskarniva"
5962             }
5963         ],
5964         "Uid": "c1929213-0352-11e8-8ac5-d02de0e647cc"
5965     },
5966     "Sorteringsordning": 50,
5967     "StudieordningID": 1,
5968     "TillfalleInomUtbildningstyper": [],
5969     "UtbildningstyperInomUtbildningstyp": [
5970         4
5971     ]
5972 },
5973 {
5974     "AvserTillfalle": true,

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5975     "Benamning": {
5976       "sv": "Kurstillf\u00e4lle, forskarniv\u00e5 (inkl. attribut fr\u00e5n grundniv\u00e5 och avancerad)",
5977       "en": "Course instance, Third-cycle (including first-cycle and second-cycle attributes)"
5978     },
5979     "Beskrivning": {
5980       "sv": "Anv\u00e4nds endast f\u00f6r konverterad information."
5981     },
5982     "Dolt": false,
5983     "Giltighetsperiod": {},
5984     "Grundtyp": "KURS",
5985     "ID": "121911",
5986     "Kod": "20073KTF",
5987     "LarosateID": -1,
5988     "Regelverk": {
5989       "Regelvarden": [
5990         {
5991           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
5992           "Uid": "c9c637ea-e97b-11e8-9df7-dac5c1184137",
5993           "Varde": "grupp.for.utsokning.forskarniva"
5994         }
5995       ],
5996       "Uid": "48f2f1e7-0353-11e8-8ac5-d02de0e647cc"
5997     },
5998     "Sorteringsordning": 50,
5999     "StudieordningID": 1,
6000     "TillfalleInomUtbildningstyper": [
6001       121910
6002     ],
6003     "UtbildningstyperInomUtbildningstyp": []
6004   },
6005   {
6006     "AvserTillfalle": false,
6007     "Benamning": {
6008       "sv": "Kurs",
6009       "en": "Course"
6010     },
6011     "Beskrivning": {},
6012     "Dolt": false,
6013     "Giltighetsperiod": {},
6014     "Grundtyp": "KURS",
6015     "ID": "147909",
6016     "Kod": "UPTK19",
6017     "LarosateID": -1,
6018     "Regelverk": {
6019       "Regelvarden": [
6020         {
6021           "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdragutbildning",
6022           "Uid": "2c2f0225-1b2c-11e9-beb8-23b395e64549",
6023           "Varde": "true"
6024         }

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6025         {
6026             "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6027             "Uid": "2c2f0226-1b2c-11e9-beb8-23b395e64549",
6028             "Varde": "grupp.for.utsokning.uppdagsutbildning"
6029         }
6030     ],
6031     "Uid": "2c2f0224-1b2c-11e9-beb8-23b395e64549"
6032 },
6033 "Sorteringsordning": 50,
6034 "StudieordningID": 147898,
6035 "TillfalleInomUtbildningstyper": [],
6036 "UtbildningstyperInomUtbildningstyp": [
6037     147908
6038 ]
6039 },
6040 {
6041     "AvserTillfalle": true,
6042     "Benamning": {
6043         "sv": "Kurstillf\u00e4lle",
6044         "en": "Course instance"
6045     },
6046     "Beskrivning": {},
6047     "Dolt": false,
6048     "Giltighetsperiod": {},
6049     "Grundtyp": "KURS",
6050     "ID": "147910",
6051     "Kod": "UPTKTF19",
6052     "LarosateID": -1,
6053     "Regelverk": {
6054         "Regelvarden": [
6055             {
6056                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
6057                 "Uid": "d733e027-1b2d-11e9-beb8-23b395e64549",
6058                 "Varde": "true"
6059             },
6060             {
6061                 "Regelnamn": "commons.domain.regel.informationsbehorighet.uppdagsutbildning",
6062                 "Uid": "d733e028-1b2d-11e9-beb8-23b395e64549",
6063                 "Varde": "true"
6064             },
6065             {
6066                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6067                 "Uid": "d733e029-1b2d-11e9-beb8-23b395e64549",
6068                 "Varde": "grupp.for.utsokning.uppdagsutbildning"
6069             }
6070         ],
6071         "Uid": "d733e026-1b2d-11e9-beb8-23b395e64549"
6072     },
6073     "Sorteringsordning": 50,
6074     "StudieordningID": 147898,

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6075     "TillfalleInomUtbildningstyper": [
6076         147909
6077     ],
6078     "UtbildningstyperInomUtbildningstyp": []
6079 },
6080 {
6081     "AvserTillfalle": true,
6082     "Benamning": {
6083         "sv": "Individuellt kurstillf\u00e4lle",
6084         "en": "Individual course instance"
6085     },
6086     "Beskrivning": {},
6087     "Dolt": false,
6088     "Giltighetsperiod": {},
6089     "Grundtyp": "KURS",
6090     "ID": "148155",
6091     "Kod": "FUPIKTF",
6092     "LarosateID": -1,
6093     "Regelverk": {
6094         "Regelvarden": [
6095             {
6096                 "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
6097                 "Uid": "2d7728e3-3a71-11e9-98c7-6e9130f64812",
6098                 "Varde": "true"
6099             },
6100             {
6101                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6102                 "Uid": "2d7728e1-3a71-11e9-98c7-6e9130f64812",
6103                 "Varde": "grupp.for.utsokning.forutbildning"
6104             },
6105             {
6106                 "Regelnamn": "commons.domain.regel.individuell",
6107                 "Uid": "2d7728e2-3a71-11e9-98c7-6e9130f64812",
6108                 "Varde": "true"
6109             }
6110         ],
6111         "Uid": "749599b5-3a70-11e9-98c7-6e9130f64812"
6112     },
6113     "Sorteringsordning": 50,
6114     "StudieordningID": 3,
6115     "TillfalleInomUtbildningstyper": [
6116         101378
6117     ],
6118     "UtbildningstyperInomUtbildningstyp": []
6119 },
6120 {
6121     "AvserTillfalle": false,
6122     "Benamning": {
6123         "sv": "Modul utan angiven omfattning",
6124         "en": "Module without specified scope"

```

```

6125     },
6126     "Beskrivning": {},
6127     "Dolt": false,
6128     "Giltighetsperiod": {},
6129     "Grundtyp": "MODUL",
6130     "ID": "148452",
6131     "Kod": "2007MUA0",
6132     "LarosateID": -1,
6133     "Regelverk": {
6134         "Regelvarden": [
6135             {
6136                 "Regelnamn": "commons.domain.regel.ingar.i.grupp.overfors.till.nya",
6137                 "Uid": "251a1ddd-67e9-11e9-9c79-28b64e4f47fe",
6138                 "Varde": "true"
6139             },
6140             {
6141                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
6142                 "Uid": "251a1ddc-67e9-11e9-9c79-28b64e4f47fe",
6143                 "Varde": "true"
6144             },
6145             {
6146                 "Regelnamn": "commons.domain.regel.ej.angiven.omfattning",
6147                 "Uid": "2515d819-67e9-11e9-9c79-28b64e4f47fe",
6148                 "Varde": "true"
6149             },
6150             {
6151                 "Regelnamn": "commons.domain.regel.sjalvstandig",
6152                 "Uid": "251a1dde-67e9-11e9-9c79-28b64e4f47fe",
6153                 "Varde": "false"
6154             },
6155             {
6156                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6157                 "Uid": "251a1ddb-67e9-11e9-9c79-28b64e4f47fe",
6158                 "Varde": "grupp.for.utsokning.forskarniva"
6159             },
6160             {
6161                 "Regelnamn": "commons.domain.regel.versionshanteras",
6162                 "Uid": "251a1ddf-67e9-11e9-9c79-28b64e4f47fe",
6163                 "Varde": "false"
6164             }
6165         ],
6166         "Uid": "2515d818-67e9-11e9-9c79-28b64e4f47fe"
6167     },
6168     "Sorteringsordning": 50,
6169     "StudieordningID": 1,
6170     "TillfalleInomUtbildningstyper": [],
6171     "UtbildningstyperInomUtbildningstyp": []
6172 },
6173 {
6174     "AvserTillfalle": true,

```

```

6175     "Benamning": {
6176       "sv": "Individuellt kurstillf\u00e4lle, inresande",
6177       "en": "Individual course instance, incoming student"
6178     },
6179     "Beskrivning": {
6180       "sv": "Utbildningstypen motsvarar attributen i Individuellt kurstillf\u00e4lle - 2007IKTF, med ski
6181     },
6182     "Dolt": false,
6183     "Giltighetsperiod": {},
6184     "Grundtyp": "KURS",
6185     "ID": "148962",
6186     "Kod": "2007IKTFI",
6187     "LarosateID": -1,
6188     "Regelverk": {
6189       "Regelvarden": [
6190         {
6191           "Regelnamn": "commons.domain.regel.individuell",
6192           "Uid": "e1e91104-9d6b-11e9-b505-4ba9574641db",
6193           "Varde": "true"
6194         },
6195         {
6196           "Regelnamn": "commons.domain.regel.informationsbehorighet.utbytesstudier",
6197           "Uid": "e1e91105-9d6b-11e9-b505-4ba9574641db",
6198           "Varde": "true"
6199         },
6200         {
6201           "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6202           "Uid": "e1e7b173-9d6b-11e9-b505-4ba9574641db",
6203           "Varde": "grupp.for.utsokning.grundavanceradniva"
6204         },
6205         {
6206           "Regelnamn": "commons.domain.regel.grupp.overfors.nya.endast.som.merit",
6207           "Uid": "e1e91106-9d6b-11e9-b505-4ba9574641db",
6208           "Varde": "true"
6209         }
6210       ],
6211       "Uid": "e1e7b172-9d6b-11e9-b505-4ba9574641db"
6212     },
6213     "Sorteringsordning": 50,
6214     "StudieordningID": 1,
6215     "TillfalleInomUtbildningstyper": [
6216       106390,
6217       101380
6218     ],
6219     "UtbildningstyperInomUtbildningstyp": []
6220   },
6221   {
6222     "AvserTillfalle": false,
6223     "Benamning": {
6224       "sv": "Kurspaket, forskarniv\u00e5",

```

```

6225     "en": "Course package, Third-cycle"
6226 },
6227 "Beskrivning": {},
6228 "Dolt": false,
6229 "Giltighetsperiod": {},
6230 "Grundtyp": "KURSPAKETERING",
6231 "ID": "151503",
6232 "Kod": "2007FAKP",
6233 "LarosateID": -1,
6234 "NivaInomStudieordningID": 3,
6235 "Regelverk": {
6236   "Regelvarden": [
6237     {
6238       "Regelnamn": "commons.domain.regel.ar_kurspaket",
6239       "Uid": "e3afd248-0505-11ee-b40a-f28ad46341da",
6240       "Varde": "true"
6241     },
6242     {
6243       "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
6244       "Uid": "e3afd247-0505-11ee-b40a-f28ad46341da",
6245       "Varde": "true"
6246     },
6247     {
6248       "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6249       "Uid": "e3afd246-0505-11ee-b40a-f28ad46341da",
6250       "Varde": "grupp.for.utsokning.forskarniva"
6251     }
6252   ],
6253   "Uid": "35def973-6f89-11eb-998b-eb07df7e45d0"
6254 },
6255 "Sorteringsordning": 50,
6256 "StudieordningID": 1,
6257 "TillfalleInomUtbildningstyper": [],
6258 "UtbildningstyperInomUtbildningstyp": [
6259   101952,
6260   101950,
6261   110915,
6262   101954
6263 ]
6264 },
6265 {
6266   "AvserTillfalle": true,
6267   "Benamning": {
6268     "sv": "Kurspakettillf\u00e4lle, forskarniv\u00e5",
6269     "en": "Course package instance, Third-cycle"
6270   },
6271   "Beskrivning": {},
6272   "Dolt": false,
6273   "Giltighetsperiod": {},
6274   "Grundtyp": "KURSPAKETERING",

```

```

6275     "ID": "151504",
6276     "Kod": "2007FAKPTF",
6277     "LarosateID": -1,
6278     "Regelverk": {
6279         "Regelvarden": [
6280             {
6281                 "Regelnamn": "commons.domain.regel.informationsbehorighet.forskarutbildning",
6282                 "Uid": "20ba58ac-0506-11ee-b40a-f28ad46341da",
6283                 "Varde": "true"
6284             },
6285             {
6286                 "Regelnamn": "commons.domain.regel.ar_kurspaket",
6287                 "Uid": "20ba58ad-0506-11ee-b40a-f28ad46341da",
6288                 "Varde": "true"
6289             },
6290             {
6291                 "Regelnamn": "commons.domain.regel.grupp.for.utsokning",
6292                 "Uid": "20ba58ab-0506-11ee-b40a-f28ad46341da",
6293                 "Varde": "grupp.for.utsokning.forskarniva"
6294             }
6295         ],
6296         "Uid": "8831a6c3-6f89-11eb-998b-eb07df7e45d0"
6297     },
6298     "Sorteringsordning": 50,
6299     "StudieordningID": 1,
6300     "TillfalleInomUtbildningstyper": [
6301         151503
6302     ],
6303     "UtbildningstyperInomUtbildningstyp": [
6304         101953,
6305         101951,
6306         107510,
6307         101952,
6308         101955,
6309         110915,
6310         101954
6311     ]
6312 }
6313 ]
6314 }

```

## 20.24 aktivitetstillfallestyp\_JSON

```

1495 <LadokSession data methods 95c>+≡
    # added by GQMjr
    def aktivitetstillfallestyp_JSON(self):
        """
        Returns the activity types.
        """

```

```

r = self.session.get(
    url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/aktivitetstillfallestyp',
    headers=self.headers).json()
return r

```

Let's add a test. This should return a dictionary.

1496

```

<test functions 99b>+≡
def test_aktivitetstillfallestyp_JSON():
    r = ladok.aktivitetstillfallestyp_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2      "Aktivitetstillfallestyp": [
3          {
4              "Benamning": {
5                  "sv": "Digital omtentamen (LIS)",
6                  "en": "E-examination, resit (LIS)"
7              },
8              "Beskrivning": {},
9              "Dolt": true,
10             "Giltighetsperiod": {},
11             "ID": "151857",
12             "Kod": "GDOT",
13             "LarosateID": -1
14         },
15         {
16             "Benamning": {
17                 "sv": "Digital tentamen (LIS)",
18                 "en": "E-examination (LIS)"
19             },
20             "Beskrivning": {},
21             "Dolt": true,
22             "Giltighetsperiod": {},
23             "ID": "151856",
24             "Kod": "GDT",
25             "LarosateID": -1
26         },
27         {
28             "Benamning": {
29                 "sv": "\u00d6vrigt aktivitetstillf\u00e4lle",
30                 "en": "Unspecified activity"
31             },
32             "Beskrivning": {},
33             "Dolt": false,
34             "Giltighetsperiod": {},
35             "ID": "1",
36             "Kod": "\u00d6V",

```

```
37     "LarosateID": -1
38 },
39 {
40     "Benamning": {
41         "sv": "Examination i datorsal - omtentamen",
42         "en": "Re-exam, digital on-campus"
43     },
44     "Beskrivning": {},
45     "Dolt": false,
46     "Giltighetsperiod": {
47         "Startdatum": "2022-06-15"
48     },
49     "ID": "153882",
50     "Kod": "EXDAOMTENTA",
51     "LarosateID": 29
52 },
53 {
54     "Benamning": {
55         "sv": "Examination i datorsal - tentamen",
56         "en": "Exam, digital on-campus"
57     },
58     "Beskrivning": {},
59     "Dolt": false,
60     "Giltighetsperiod": {
61         "Startdatum": "2022-06-15"
62     },
63     "ID": "153881",
64     "Kod": "EXDATENTA",
65     "LarosateID": 29
66 },
67 {
68     "Benamning": {
69         "sv": "Examination i datorsal \u2013 kontrollskrivning",
70         "en": "Partial exam, digital on-campus"
71     },
72     "Beskrivning": {},
73     "Dolt": false,
74     "Giltighetsperiod": {
75         "Startdatum": "2022-06-15"
76     },
77     "ID": "153880",
78     "Kod": "EXDATKS",
79     "LarosateID": 29
80 },
81 {
82     "Benamning": {
83         "sv": "FX-komplettering",
84         "en": "FX-Supplementary Qualification"
85     },
86     "Beskrivning": {},
```



```
87     "Dolt": false,
88     "Giltighetsperiod": {
89         "Startdatum": "2020-10-05"
90     },
91     "ID": "150909",
92     "Kod": "FX",
93     "LarosateID": 29
94 },
95 {
96     "Benamning": {
97         "sv": "Hemtentamen",
98         "en": "Unsupervised examination"
99     },
100    "Beskrivning": {},
101    "Dolt": false,
102    "Giltighetsperiod": {
103        "Startdatum": "2022-06-15"
104    },
105    "ID": "153887",
106    "Kod": "HEMTENTA",
107    "LarosateID": 29
108 },
109 {
110     "Benamning": {
111         "sv": "Kontrollskrivning",
112         "en": "Partial Exam"
113     },
114    "Beskrivning": {},
115    "Dolt": true,
116    "Giltighetsperiod": {
117        "Slutdatum": "2022-06-14",
118        "Startdatum": "2018-06-20"
119    },
120    "ID": "135201",
121    "Kod": "KS",
122    "LarosateID": 29
123 },
124 {
125     "Benamning": {
126         "sv": "Muntlig examination",
127         "en": "Oral exam"
128     },
129    "Beskrivning": {},
130    "Dolt": false,
131    "Giltighetsperiod": {
132        "Startdatum": "2022-06-15"
133    },
134    "ID": "153886",
135    "Kod": "MUNTA",
136    "LarosateID": 29
```

```
137     },
138     {
139         "Benamning": {
140             "sv": "Omtentamen",
141             "en": "Re-examination"
142         },
143         "Beskrivning": {},
144         "Dolt": true,
145         "Giltighetsperiod": {
146             "Slutdatum": "2022-06-14",
147             "Startdatum": "2018-06-20"
148         },
149         "ID": "135200",
150         "Kod": "OMTENTA",
151         "LarosateID": 29
152     },
153     {
154         "Benamning": {
155             "sv": "Salsexamination \u2013 kontrollskrivning",
156             "en": "Partial exam, written on-campus"
157         },
158         "Beskrivning": {},
159         "Dolt": false,
160         "Giltighetsperiod": {
161             "Startdatum": "2022-06-15"
162         },
163         "ID": "153883",
164         "Kod": "SALEXKS",
165         "LarosateID": 29
166     },
167     {
168         "Benamning": {
169             "sv": "Salsexamination - omtentamen",
170             "en": "Re-exam, written on-campus"
171         },
172         "Beskrivning": {},
173         "Dolt": false,
174         "Giltighetsperiod": {
175             "Startdatum": "2022-06-15"
176         },
177         "ID": "153885",
178         "Kod": "SALEXOMTENT",
179         "LarosateID": 29
180     },
181     {
182         "Benamning": {
183             "sv": "Salsexamination \u2013 tentamen",
184             "en": "Exam, written on-campus"
185         },
186         "Beskrivning": {},
```

```

187     "Dolt": false,
188     "Giltighetsperiod": {
189         "Startdatum": "2022-06-15"
190     },
191     "ID": "153884",
192     "Kod": "SALEXTENTA",
193     "LarosateID": 29
194 },
195 {
196     "Benamning": {
197         "sv": "Tentamen",
198         "en": "Examination"
199     },
200     "Beskrivning": {},
201     "Dolt": true,
202     "Giltighetsperiod": {
203         "Slutdatum": "2022-06-14",
204         "Startdatum": "2018-06-20"
205     },
206     "ID": "135199",
207     "Kod": "TENTAMEN",
208     "LarosateID": 29
209 }
210 ]
211 }

```

## 20.25 catalog\_service\_index\_JSON

```

1500a <LadokSession data methods 95c>+≡
# added by GQMjr
def catalog_service_index_JSON(self):
    """
    Returns the catalog service index.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + '/kataloginformation/internal/service/index',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

```

1500b <test functions 99b>+≡
def test_catalog_service_index_JSON():
    r = ladok.catalog_service_index_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "ServiceName": "Ladok3 intern REST-tj\u00e4nst f\u00f6r kataloginformation"
3  }

```

## 20.26 omradesbehorighet\_JSON

1501a

```

<LadokSession data methods 95c>+≡
# added by GQMjr
def omradesbehorighet_JSON(self):
    """
    Returns områdesbehörighet. See

    https://antagning.se/globalassets/omradesbehorigheter-hogskolan.pdf

    for more information.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/kataloginformation/internal/grunddata/omradesbehorighet',
        headers=self.headers).json()
    return r

```

Let's add a test. This should return a dictionary.

1501b

```

<test functions 99b>+≡
def test_omradesbehorighet_JSON():
    r = ladok.omradesbehorighet_JSON()
    assert type(r) == dict

```

This code is used in chunk 94.

The output looks like this:

```

1  {
2  "Omradesbehorighet": [
3      {
4          "Benamning": {
5              "sv": "Endast grundl\u00e4ggande beh\u00f6righet",
6              "en": "General entry requirements only"
7          },
8          "Beskrivning": {},
9          "Dolt": false,
10         "Emilvarde": "0",
11         "Giltighetsperiod": {
12             "Slutdatum": "2022-06-01"
13         },
14         "ID": "0",
15         "Kod": "0",
16         "LarosateID": -1
17     },
18     {
19         "Benamning": {
20             "sv": "A2/2",
21             "en": "A2/2"
22         },
23         "Beskrivning": {},
24         "Dolt": false,

```

```
25     "Emilvarde": "2",
26     "Giltighetsperiod": {
27         "Slutdatum": "2022-06-01"
28     },
29     "ID": "2",
30     "Kod": "2",
31     "LarosateID": -1
32 },
33 {
34     "Benamning": {
35         "sv": "A4/4",
36         "en": "A4/4"
37     },
38     "Beskrivning": {},
39     "Dolt": false,
40     "Emilvarde": "4",
41     "Giltighetsperiod": {
42         "Slutdatum": "2022-06-01"
43     },
44     "ID": "4",
45     "Kod": "4",
46     "LarosateID": -1
47 },
48 {
49     "Benamning": {
50         "sv": "A6/6",
51         "en": "A6/6"
52     },
53     "Beskrivning": {},
54     "Dolt": false,
55     "Emilvarde": "6",
56     "Giltighetsperiod": {
57         "Slutdatum": "2022-06-01"
58     },
59     "ID": "6",
60     "Kod": "6",
61     "LarosateID": -1
62 },
63 {
64     "Benamning": {
65         "sv": "A6 a/6 a",
66         "en": "A6 a/6 a"
67     },
68     "Beskrivning": {},
69     "Dolt": false,
70     "Emilvarde": "6 a",
71     "Giltighetsperiod": {
72         "Slutdatum": "2022-06-01"
73     },
74     "ID": "7",
```

```
75     "Kod": "6A",
76     "LarosateID": -1
77 },
78 {
79     "Benamning": {
80         "sv": "A7/7",
81         "en": "A7/7"
82     },
83     "Beskrivning": {},
84     "Dolt": false,
85     "Emilvarde": "7",
86     "Giltighetsperiod": {
87         "Slutdatum": "2022-06-01"
88     },
89     "ID": "10",
90     "Kod": "7",
91     "LarosateID": -1
92 },
93 {
94     "Benamning": {
95         "sv": "A8/8",
96         "en": "A8/8"
97     },
98     "Beskrivning": {},
99     "Dolt": false,
100    "Emilvarde": "8",
101    "Giltighetsperiod": {
102        "Slutdatum": "2022-06-01"
103    },
104    "ID": "11",
105    "Kod": "8",
106    "LarosateID": -1
107 },
108 {
109     "Benamning": {
110         "sv": "A10/10",
111         "en": "A10/10"
112     },
113     "Beskrivning": {},
114     "Dolt": false,
115     "Emilvarde": "10",
116     "Giltighetsperiod": {
117         "Slutdatum": "2022-06-01"
118     },
119     "ID": "13",
120     "Kod": "10",
121     "LarosateID": -1
122 },
123 {
124     "Benamning": {
```

```
125         "sv": "A13/13",
126         "en": "A13/13"
127     },
128     "Beskrivning": {},
129     "Dolt": false,
130     "Emilvarde": "13",
131     "Giltighetsperiod": {
132         "Slutdatum": "2022-06-01"
133     },
134     "ID": "16",
135     "Kod": "13",
136     "LarosateID": -1
137 },
138 {
139     "Benamning": {
140         "sv": "A11/14",
141         "en": "A11/14"
142     },
143     "Beskrivning": {},
144     "Dolt": false,
145     "Emilvarde": "14",
146     "Giltighetsperiod": {
147         "Slutdatum": "2022-06-01"
148     },
149     "ID": "17",
150     "Kod": "14",
151     "LarosateID": -1
152 },
153 {
154     "Benamning": {
155         "sv": "A14/16",
156         "en": "A14/16"
157     },
158     "Beskrivning": {},
159     "Dolt": false,
160     "Emilvarde": "16",
161     "Giltighetsperiod": {
162         "Slutdatum": "2022-06-01"
163     },
164     "ID": "19",
165     "Kod": "16",
166     "LarosateID": -1
167 },
168 {
169     "Benamning": {
170         "sv": "A1/1",
171         "en": "A1/1"
172     },
173     "Beskrivning": {},
174     "Dolt": false,
```

```
175     "Emilvarde": "1",
176     "Giltighetsperiod": {
177         "Slutdatum": "2022-06-01"
178     },
179     "ID": "1",
180     "Kod": "1",
181     "LarosateID": -1
182 },
183 {
184     "Benamning": {
185         "sv": "A3/3",
186         "en": "A3/3"
187     },
188     "Beskrivning": {},
189     "Dolt": false,
190     "Emilvarde": "3",
191     "Giltighetsperiod": {
192         "Slutdatum": "2022-06-01"
193     },
194     "ID": "3",
195     "Kod": "3",
196     "LarosateID": -1
197 },
198 {
199     "Benamning": {
200         "sv": "A5/5",
201         "en": "A5/5"
202     },
203     "Beskrivning": {},
204     "Dolt": false,
205     "Emilvarde": "5",
206     "Giltighetsperiod": {
207         "Slutdatum": "2022-06-01"
208     },
209     "ID": "5",
210     "Kod": "5",
211     "LarosateID": -1
212 },
213 {
214     "Benamning": {
215         "sv": "A6 b/6 a",
216         "en": "A6 b/6 b"
217     },
218     "Beskrivning": {},
219     "Dolt": false,
220     "Emilvarde": "6 b",
221     "Giltighetsperiod": {
222         "Slutdatum": "2022-06-01"
223     },
224     "ID": "8",
```



```
225     "Kod": "6B",
226     "LarosateID": -1
227 },
228 {
229     "Benamning": {
230         "sv": "A6 c/6 a",
231         "en": "A6 c/6 c"
232     },
233     "Beskrivning": {},
234     "Dolt": false,
235     "Emilvarde": "6 c",
236     "Giltighetsperiod": {
237         "Slutdatum": "2022-06-01"
238     },
239     "ID": "9",
240     "Kod": "6C",
241     "LarosateID": -1
242 },
243 {
244     "Benamning": {
245         "sv": "A9/9",
246         "en": "A9/9"
247     },
248     "Beskrivning": {},
249     "Dolt": false,
250     "Emilvarde": "9",
251     "Giltighetsperiod": {
252         "Slutdatum": "2022-06-01"
253     },
254     "ID": "12",
255     "Kod": "9",
256     "LarosateID": -1
257 },
258 {
259     "Benamning": {
260         "sv": "A11/11",
261         "en": "A11/11"
262     },
263     "Beskrivning": {},
264     "Dolt": false,
265     "Emilvarde": "11",
266     "Giltighetsperiod": {
267         "Slutdatum": "2022-06-01"
268     },
269     "ID": "14",
270     "Kod": "11",
271     "LarosateID": -1
272 },
273 {
274     "Benamning": {
```

```
275         "sv": "A12/12",
276         "en": "A12/12"
277     },
278     "Beskrivning": {},
279     "Dolt": false,
280     "Emilvarde": "12",
281     "Giltighetsperiod": {
282         "Slutdatum": "2022-06-01"
283     },
284     "ID": "15",
285     "Kod": "12",
286     "LarosateID": -1
287 },
288 {
289     "Benamning": {
290         "sv": "A14/15",
291         "en": "A14/15"
292     },
293     "Beskrivning": {},
294     "Dolt": false,
295     "Emilvarde": "15",
296     "Giltighetsperiod": {
297         "Slutdatum": "2022-06-01"
298     },
299     "ID": "18",
300     "Kod": "15",
301     "LarosateID": -1
302 },
303 {
304     "Benamning": {
305         "sv": "A15/17",
306         "en": "A15/17"
307     },
308     "Beskrivning": {},
309     "Dolt": false,
310     "Emilvarde": "17",
311     "Giltighetsperiod": {
312         "Slutdatum": "2022-06-01"
313     },
314     "ID": "20",
315     "Kod": "17",
316     "LarosateID": -1
317 }
318 ]
319 }
```

## Chapter 21

# Baltatzis' and Maguire's original LadokSession methods

Below are the original LadokSession methods by Baltatzis and Maguire. These are merely kept for backwards compatibility.

The one missing is the constructor, that has been replaced by the code above. Also, the code has been adapted to use `self.session` instead of `self.__session` etc.

### 21.1 get\_results, save\_result

1508

```
<LadokSession data methods 1508>≡
#####
#
# LadokSession
#
# get_results      returnerar en dictionary med momentnamn och resultat
# save_result      sparar resultat för en student som utkast
#
# The original LadokSession code is from Alexander Baltatzis <alba@kth.se> on
# 2020-07-20
#
# I (Gerald Q. Maguire Jr.) have extended on 2020-07-21 and later with the code
# as noted below.
#
# I (Daniel Bosk) adapted (on 2021-01-08) the methods to a refactored
# LadokSession class.

#####
#
# get_results
#
# person_nr        - personnummer, siffror i strängformat
#                   t.ex. 19461212-1212
# course_code      - kurskod t.ex. DD1321
#
```

```

# RETURNERAR en dictionary från ladok med momentnamn, resultat
#
# {'LABP': {'date': '2019-01-14', 'grade': 'P', 'status': 'attested'},
#  'LABD': {'date': '2019-03-23', 'grade': 'E', 'status': 'pending(1)'},
#  'TEN1': {'date': '2019-03-13', 'grade': 'F', 'status': 'pending(2)'}}
#
# status: kan ha följande värden vilket gissningsvis betyder:
#         attested   - attesterad
#         pending(1) - utkast
#         pending(2) - klarmarkerad
#
def get_results(self, person_nr_raw, course_code):
    person_nr_raw = str(person_nr_raw)
    person_nr = format_peronnummer(person_nr_raw)
    if not person_nr: raise Exception('Invalid person nr ' + person_nr_raw)

    student_data = self.__get_student_data(person_nr)

    student_course = next(x
        for x in self.__get_student_courses(student_data['id'])
        if x['code'] == course_code)

    # get attested results
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/resultat/studentresultat/attesterade/student/' +
        student_data['id'],
        headers=self.headers).json()

    results_attested_current_course = None
    results = {} # return value

    for course in r['StudentresultatPerKurs']:
        if course['KursUID'] == student_course['education_id']:
            results_attested_current_course = course['Studentresultat']
            break

    if results_attested_current_course:
        for result in results_attested_current_course:
            try:
                d = { 'grade' : result['Betygsgradskod'],
                      'status': 'attested',
                      'date'  : result['Examinationsdatum'] }
                results[ result['Utbildningskod'] ] = d
            except:
                pass # tillgodoräknanden har inga betyg och då är result['Utbildningskod'] == None

    # get pending results
    r = self.session.get(

```

```

url=self.base_gui_proxy_url + '/resultat/resultat/resultat/student/' +
    student_data['id'] + '/kurs/' + student_course['education_id'] +
    '?resultatstatus=UTKAST&resultatstatus=KLARMARKERAT',
headers=self.headers).json()

for result in r['Resultat']:
    r = self.session.get(
        url=self.base_gui_proxy_url + '/resultat/utbildningsinstans/' +
            result['UtbildningsinstansUID'],
        headers=self.headers).json()
    d_grade = result['Betygsgradsobjekt']['Kod']
    d_status = "pending(" + str(result['ProcessStatus']) + ")"
    # utkast har inte datum tydligen ...
    d_date = "0" if 'Examinationsdatum' not in result \
        else result['Examinationsdatum']
    d = { 'grade' : d_grade ,
          'status': d_status,
          'date'  : d_date      }
    results[ r['Utbildningskod'] ] = d
return results

#####
#
# save_result
#
# person_nr          - personnummer, flera format accepteras enligt regex:
#                      (\d\d)?(\d\d)(\d\d\d\d)[+|-]?(\w\w\w\w)
# course_code         - kurskod t.ex. DD1321
# course_moment       - ladokmoment/kursbetyg t.ex. TEN1, LAB1, DD1321 (!)
#                      om labmomententet är samma som course_code så sätts kursbetyg!
# result_date         - betygdatum, flera format accepteras enligt regex
#                      (\d\d)?(\d\d)-?(\d\d)-?(\d\d)
# grade_code          - det betyg som ska sättas
# grade_scale         - betygsskala t.ex. AF eller PF. Möjliga betygsskalor
#                      listas i self.__grade_scales.
#
# RETURNERAR True om det gått bra, kastar (förhoppningsvis) undantag
#                      om det går dåligt.
def save_result(self, person_nr_raw, course_code, course_moment,
    result_date_raw, grade_raw, grade_scale):
    if grade_raw in ["AF", "PF"]:
        raise Exception('Invalid grade: ' + grade_raw + ' looks like a grade_scale')

    if (grade_raw == 'P' and grade_scale == "AF") or \
        (grade_raw in "ABCDE" and grade_scale == "PF"):
        raise Exception('Invalid grade: ' + grade_raw +
            ' does not match grade_scale ' + grade_scale)

    person_nr = format_personnummer(person_nr_raw)
    if not person_nr: raise Exception('Invalid person nr ' + person_nr_raw)

```

```

result_date = self.__validate_date(result_date_raw)
if not result_date:
    raise Exception('Invalid grade date: ' + result_date_raw + ' pnr: ' +
        person_nr_raw + ' moment: ' + course_moment)

student_data = self.__get_student_data(person_nr)
student_course = next(x
    for x in self.__get_student_courses(student_data['id'])
    if x['code'] == course_code)

# momentkod = kurskod => vi hanterar kursbetyg
if course_moment == student_course['code']:
    course_moment_id = student_course['instance_id']
else:
    for x in self.__get_student_course_moments(student_course['round_id'],
        student_data['id']):
        if x['code'] == course_moment:
            course_moment_id = x['course_moment_id']

student_course_results = self.__get_student_course_results(
    student_course['round_id'], student_data['id'])

grade_scale = self.__get_grade_scale_by_code(grade_scale)
grade = grade_scale.grades(code=grade_raw)[0]

headers = self.headers.copy()
headers['Content-Type'] = 'application/vnd.ladok-resultat+json'
headers['X-XSRF-TOKEN'] = self.__get_xsrf_token()
headers['Referer'] = self.base_gui_url

previous_result = None

for result in student_course_results['results']:
    if result['pending'] is not None:
        if result['pending']['moment_id'] == course_moment_id:
            previous_result = result['pending']
            break

# uppdatera befintligt utkast
if previous_result:
    put_data = {
        'Resultat': [{
            'ResultatUID': previous_result['id'],
            'Betygsgrad': grade.id,
            'Noteringar': [],
            'BetygsskalaID': grade_scale.id,
            'Examinationsdatum': result_date,
            'SenasteResultatandring': previous_result['last_modified']
        }]
    }

```

```

    }

    r = self.session.put(
        url=self.base_gui_proxy_url + '/resultat/studieresultat/uppdatera',
        json=put_data,
        headers=headers)

# lägg in nytt betygsutkast
else:
    post_data = {
        'Resultat': [{
            'StudieresultatUID': student_course_results['id'],
            'UtbildningsinstansUID': course_moment_id,
            'Betygsgrad': grade.id,
            'Noteringar': [],
            'BetygsskalaID': grade_scale.id,
            'Examinationsdatum': result_date
        }]
    }
    r = self.session.post(
        url=self.base_gui_proxy_url + '/resultat/studieresultat/skapa',
        json=post_data,
        headers=headers)

if not 'Resultat' in r.json():
    raise Exception("Couldn't register " +
        course_moment + "=" + grade_raw + " " + result_date_raw + ": " +
        r.json()["Meddelande"])

return True

```

This definition is continued in chunks 1512–16.  
 Root chunk (not used in this document).

## 21.2 get\_student\_data, get\_student\_name

```

1512 <LadokSession data methods 1508>+≡
#####
#
# get_student_data
#
# person_nr          - personnummer, flera format accepteras enligt regex:
#                      (\d\d)?(\d\d)(\d\d\d\d)[+|-]?(\w\w\w\w)
#
# RETURNERAR {'id': 'xxxx', 'first_name': 'x', 'last_name': 'y', 'person_nr': 'xxx', 'alive': True}

def get_student_data(self, person_nr_raw):
    person_nr = format_personnummer(person_nr_raw)

    if not person_nr: raise Exception('Invalid person nr ' + person_nr_raw)

```

```

    student_data = self.__get_student_data(person_nr)
    return student_data

#####
#
# get_student_name
#
# person_nr          - personnummer, flera format accepteras enligt regex:
#                      (\d\d)?(\d\d)(\d\d\d\d)[+\-]?(\w\w\w\w)
#
# RETURNERAR en dictionary med för- och efternamn
#
# {"first_name" : 'Anna', "last_name" : 'Andersson'}
#
def get_student_name(self, person_nr_raw):
    person_nr = format_personnummer(person_nr_raw)

    if not person_nr: raise Exception('Invalid person nr ' + person_nr_raw)

    student_data = self.__get_student_data(person_nr)
    return {
        "first_name": student_data["first_name"],
        "last_name" : student_data["last_name"]
    }

```

### 21.3 all\_grading\_scale

This is just to maintain the old method name.

1513a

```

⟨LadokSession data methods 1508⟩ +=
# added by GQMjr
#####
#
# all_grading_scale
#
#
# RETURNERAR en dictionary of the grading scales
def all_grading_scale(self):
    return self.get_grade_scales()

```

### 21.4 change\_locale

This probably changes the default locale in the LADOK web interface. And that might affect the default languages in responses. Needs testing though.

1513b

```

⟨LadokSession data methods 1508⟩ +=
# added by GQMjr
#####
#

```



```

# change_locale
#
# lang          - language code 'en' or 'sv', defaults to 'sv'
#
# RETURNERAR reponse to the request
def change_locale(self, lang = 'sv'):
    r = self.session.get(
        url=self.base_gui_url+'/services/i18n/changeLocale?lang='+lang,
        headers=self.headers).json()
    return r

```

## 21.5 period\_info\_JSON

This no longer works. We should investigate if there is another API call to get this information.

```

1514a <LadokSession data methods 1508>+≡
# added by GQMjr
#####
#
# period_info_JSON
#
# RETURNERAR JSON of /resultat/grunddata/period
def period_info_JSON(self):
    r = self.session.get(
        url=self.base_gui_proxy_url + '/resultat/internal/grunddata/period',
        # doesn't work, but also not after adding 'internal/' between 'resultat/'
        # and 'grunddata' /CO
        headers=self.headers).json()
    return r

```

## 21.6 organisation\_by\_uid\_JSON

```

1514b <LadokSession data methods 1508>+≡
# added by GQMjr
#####
#
# organisation_by_uid_JSON
#
# organisationUid          - organization's UID
#
# RETURNERAR JSON of selected organization
def organisation_by_uid_JSON(self, organisationUid):
    r = self.session.get(
        url=self.base_gui_proxy_url +
            '/kataloginformation/organisation/'+organisationUid,
        headers=self.headers).json()
    return r

```

```
# returns:
# {   'Benamning': {'en': 'EECS/Computer Science', 'sv': 'EECS/Datavetenskap'},
#   'Giltighetsperiod': {'Startdatum': '2019-01-01', 'link': []},
#   'Organisationsenhetstyp': 1,
#   'Organisationskod': 'JH',
#   'Uid': '2474f616-dc41-11e8-8ccl-eaeeb71b497f',
#   'link': [   {   'mediaType': 'application/vnd.ladok+xml,application/vnd.ladok-kataloginformation+xml,a
#                   'method': 'GET',
#                   'rel': 'self',
#                   'uri': 'https://api.ladok.se:443/kataloginformation/organisation/2474f616-dc41-11e8-8c
```

## 21.7 examen\_student\_uid\_JSON

This doesn't work anymore.

1515a

*⟨LadokSession data methods 1508⟩* +=

```
# added by GQMjr
def examen_student_uid_JSON(self, studentUID):
    """
    Returns the student's degree.
    """
    r = self.session.get(
        url=self.base_gui_proxy_url + 'examen/internal/student/'+studentUID',
        headers=self.headers).json()
    return r
```

## 21.8 student\_participation\_JSON

This doesn't seem to work anymore.

1515b

*⟨LadokSession data methods 1508⟩* +=

```
# added by GQMjr
def student_participation_JSON (self, studentUID):
    """
    Returns the student's participation in courses.
    """
    headers = self.headers.copy()
    headers['Content-Type'] = 'application/vnd.ladok-studiedeltagande'
    headers['Accept'] += ', application/vnd.ladok-studiedeltagande'
    r = self.session.get(
        url=self.base_gui_proxy_url +
            '/studiedeltagande/internal/tillfallesdeltagande' +
            '/kurstillfallesdeltagande/' + studentUID,
        headers=self.headers)
    return r.json()
```

## 21.9 hamtaStudieResultatForStudent\_JSON

This doesn't seem to work.

```
1516a <LadokSession data methods 1508>+=
# added by GQMjr
def hamtaStudieResultatForStudent_JSON (self, studentUID):
    """
    Returns the study results for a student.
    """
    r = self.session.get(url = self.base_gui_proxy_url +
        '/resultat/internal/studieresultat/resultat/student/'+studentUID,
        headers = self.headers).json()
    return r
```

Let's add a test. This function should return a dictionary.

```
1516b <test functions 1516b>=
def test_hamtaStudieResultatForStudent_JSON():
    r = ladok.hamtaStudieResultatForStudent_JSON(student_uid)
    assert type(r) == dict
```

Root chunk (not used in this document).

The output looks like this:

```
1 {
2   "Resultat": []
3 }
```

## 21.10 Helper methods

```
1516c <LadokSession data methods 1508>+=
#####
##
## private methods
##

def __get_xsrf_token(self):
    return self.xsrf_token

def get_xsrf_token(self):
    return self.xsrf_token

# returns None or a LADOK-formated date
def __validate_date(self, date_raw):
    datregex = re.compile(r"(\d\d)?(\d\d)-?(\d\d)-?(\d\d)")
    dat = datregex.match(date_raw)
    if dat:
        if dat.group(1) == None: # add 20, ladok3 won't survive till 2100
            return "20" + dat.group(2) + "-" + dat.group(3) + "-" + dat.group(4)
        else:
            return dat.group(1) + dat.group(2) + \
```

```

        "-" + dat.group(3) + "-" + dat.group(4)
    else:
        return None

def __get_grade_scale_by_id(self, grade_scale_id):
    return next(grade_scale
        for grade_scale in self.get_grade_scales()
        if grade_scale.id == grade_scale_id)

def __get_grade_scale_by_code(self, grade_scale_code):
    return next(grade_scale
        for grade_scale in self.get_grade_scales()
        if grade_scale.code == grade_scale_code)

def __get_grade_by_id(self, grade_id):
    for grade_scale in self.get_grade_scales():
        for grade in grade_scale.grades():
            if grade.id == grade_id:
                return grade

    return None

def __get_student_data(self, person_nr):
    r = self.session.get(
        url=self.base_gui_proxy_url +
        '/studentinformation/student/filtrera?limit=2&orderby=EFTERNAMN_ASC&orderby=FORNAMN_ASC&orderby=PE
        + person_nr + '&skipCount=false&sprakkod=sv',
        headers=self.headers).json()['Resultat']

    if len(r) != 1: return None

    r = r[0]
    # from schemas/schemas.ladok.se-studentinformation.xsd
    # <xs:complexType name="Student">
    # <xs:complexContent>
    # <xs:extension base="base:BaseEntitet">
    # <xs:sequence>
    # <xs:element name="Avliden" type="xs:boolean"/>
    # <xs:element minOccurs="0" name="Efternamn" type="xs:string"/>
    # <xs:element minOccurs="0" name="ExterntUID" type="xs:string"/>
    # <xs:element name="FelVidEtableringExternt" type="xs:boolean"/>
    # <xs:element minOccurs="0" name="Fodelsedata" type="xs:string"/>
    # <xs:element minOccurs="0" name="Fornamn" type="xs:string"/>
    # <xs:element minOccurs="0" name="KonID" type="xs:int"/>
    # <xs:element minOccurs="0" name="Personnummer" type="xs:string"/>
    # <xs:element minOccurs="0" name="Skyddsstatus" type="xs:string"/>
    # <xs:element minOccurs="0" ref="si:UnikaIdentifierare"/>

```

```

#         </xs:sequence>
#         </xs:extension>
#     </xs:complexContent>
# </xs:complexType>

return {
    'id':          r['UId'], # Ladok-ID
    'first_name': r['Fornamn'],
    'last_name':  r['Efternamn'],
    'person_nr':  r['Personnummer'], # tolv siffror, utan bindestreck eller plustecken
    'alive':      not r['Avliden']
}

# detta är egentligen kurstillfällen, inte kurser (ID-numret är alltså ett ID-nummer för ett kurstillfälle)
def __get_student_courses(self, student_id):
    r = self.session.get(
        url=self.base_gui_proxy_url +
            '/studiedeltagande/tillfallesdeltagande/kurstillfallesdeltagande/student/'
            + student_id,
        headers=self.headers).json()

    results = []

    for course in r['Tillfallesdeltaganden']:
        if not course['Nuvarande'] or \
            'Utbildningskod' not in course['Utbildningsinformation']:
            continue

        results.append({
            'id': course['UId'],
            'round_id': course['Utbildningsinformation']['UtbildningstillfalleUID'], # ett Ladok-ID för kursom
            'education_id': course['Utbildningsinformation']['UtbildningUID'], # ett Ladok-ID för något annat
            'instance_id': course['Utbildningsinformation']['UtbildningsinstansUID'], # ett Ladok-ID för att r
            'code': course['Utbildningsinformation']['Utbildningskod'], # kurskod KOPPS
            'name': course['Utbildningsinformation']['Benamning']['sv']
        })

    return results

def __get_student_course_moments(self, course_round_id, student_id):
    r = self.session.get(
        url=self.base_gui_proxy_url +
            '/resultat/kurstillfalle/' + str(course_round_id) +
            '/student/' + str(student_id) + '/moment',
        headers=self.headers).json()

    return [{
        'course_moment_id': moment['UtbildningsinstansUID'],
        'code': moment['Utbildningskod'],

```

```

    'education_id': moment['UtbildningUID'],
    'name': moment['Benamning']['sv']
} for moment in r['IngaendeMoment']]

```

```

def __get_student_course_results(self, course_round_id, student_id):

```

```

    r = self.session.get(
        url=self.base_gui_proxy_url +
            '/resultat/studierresultat/student/' + student_id +
            '/utbildningstillfalle/' + course_round_id,
        headers=self.headers).json()

    return {
        'id': r['Uid'],
        'results': [{
            'education_id': result['UtbildningUID'],
            'pending': {
                'id': result['Arbetsunderlag']['Uid'],
                'moment_id': result['Arbetsunderlag']['UtbildningsinstansUID'],
                'grade': self.__get_grade_by_id(result['Arbetsunderlag']['Betygsgrad']),
                'date': result['Arbetsunderlag']['Examinationsdatum'],
                'grade_scale': self.__get_grade_scale_by_id(result['Arbetsunderlag']['BetygsskalaID']),
                # behövs vid uppdatering av betygsutkast
                'last_modified': result['Arbetsunderlag']['SenasteResultatandring']
            } if 'Arbetsunderlag' in result else None,
            'attested': {
                'id': result['SenastAttesteradeResultat']['Uid'],
                'moment_id': result['SenastAttesteradeResultat']['UtbildningsinstansUID'],
                'grade': self.__get_grade_by_id(result['SenastAttesteradeResultat']['Betygsgrad']),
                'date': result['SenastAttesteradeResultat']['Examinationsdatum'],
                'grade_scale': self.__get_grade_scale_by_id(result['SenastAttesteradeResultat']['BetygsskalaID'])
            } if 'SenastAttesteradeResultat' in result else None
        } for result in r['ResultatPaUtbildningar']]
    }

```