basic_example

February 6, 2025

[ ]:

0.0.1 Link: github.com/vcerqueira/cardtale/

[1]:
```
import warnings

warnings.filterwarnings("ignore")
```

[2]:
```
# !pip install cardtale
```

[3]:
```
from datasetsforecast.m3 import M3
from cardtale.cards.builder import CardsBuilder
```

[4]:
```
# Loading the dataset
df, *_ = M3.load('../assets', group='Monthly')
```

[5]:
```
freq = 'ME'
uid = 'M1000'

series_df = df.query(f'unique_id=="{uid}"').reset_index(drop=True)

# unique_id: id of the time series
# ds: timestamp
# y: value
series_df.head()
```

[5]:

	unique_id	ds	y
0	M1000	1983-01-31	3705.4
1	M1000	1983-02-28	3726.0
2	M1000	1983-03-31	3692.0
3	M1000	1983-04-30	3721.6
4	M1000	1983-05-31	3681.0

[6]:
```
# Create instance using the time series
tcard = CardsBuilder(series_df, freq)
# Build data card
tcard.build_cards()
# Create pdf report
```

```
tcard.get_pdf(path=f'M3_{uid}.pdf')
```

```
2025-02-05 11:29:40,048 INFO util.py:154 -- Missing packages: ['ipywidgets'].
Run `pip install -U ipywidgets`, then restart the notebook server for rich
notebook output.
2025-02-05 11:29:40,115 INFO util.py:154 -- Missing packages: ['ipywidgets'].
Run `pip install -U ipywidgets`, then restart the notebook server for rich
notebook output.
```