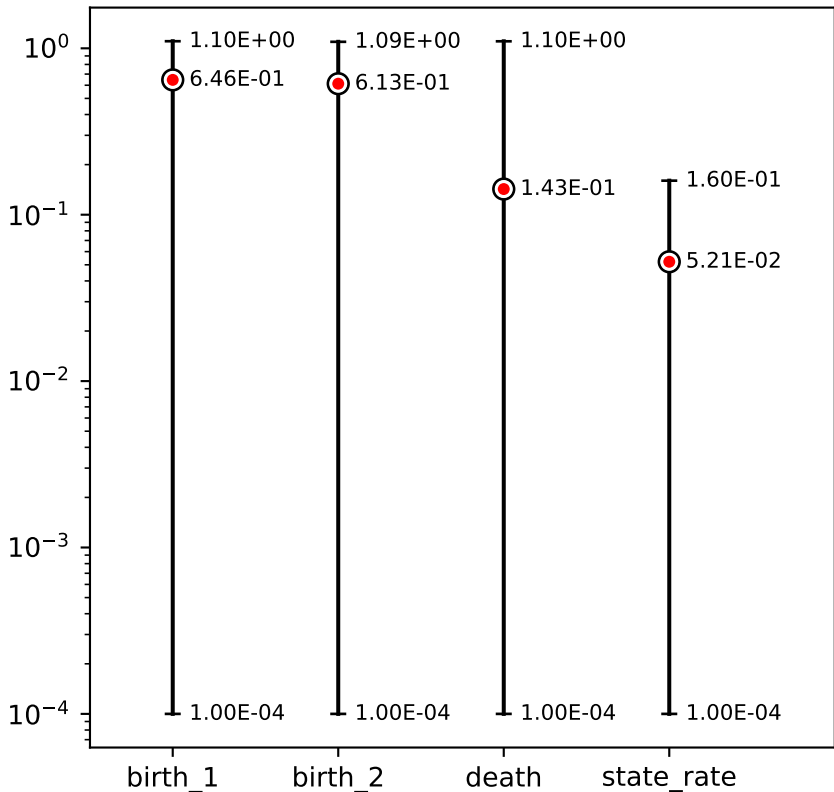
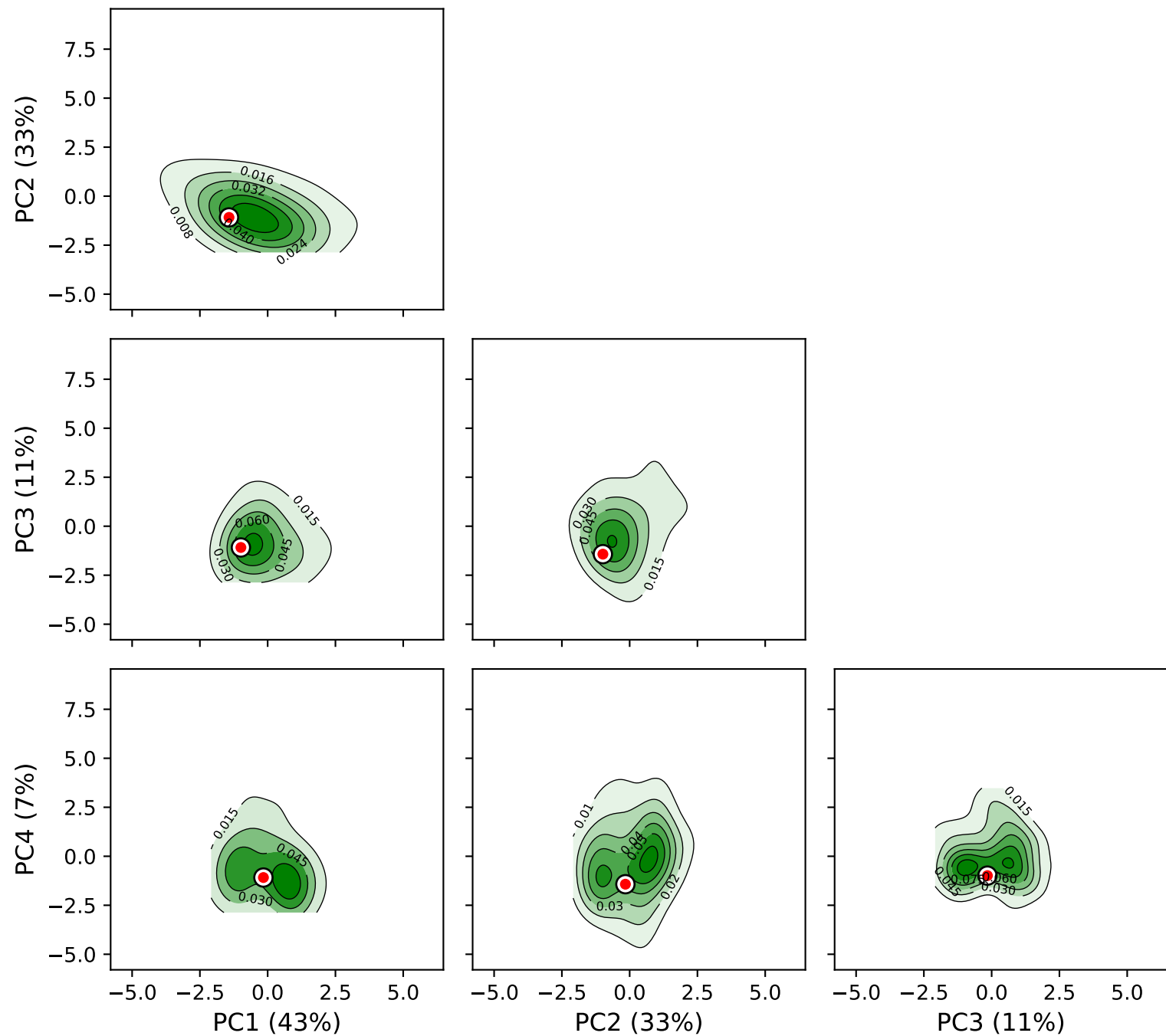


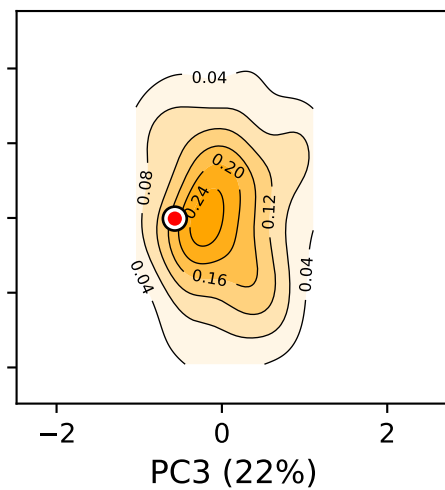
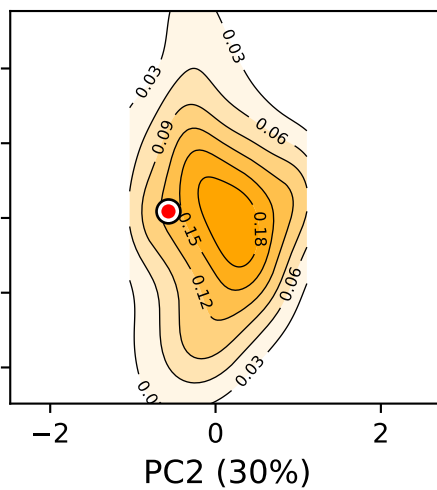
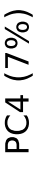
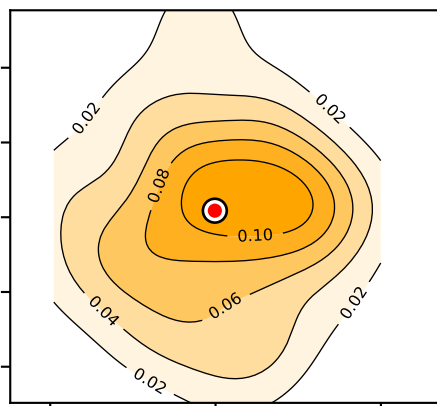
Estimate: estimate/new.0



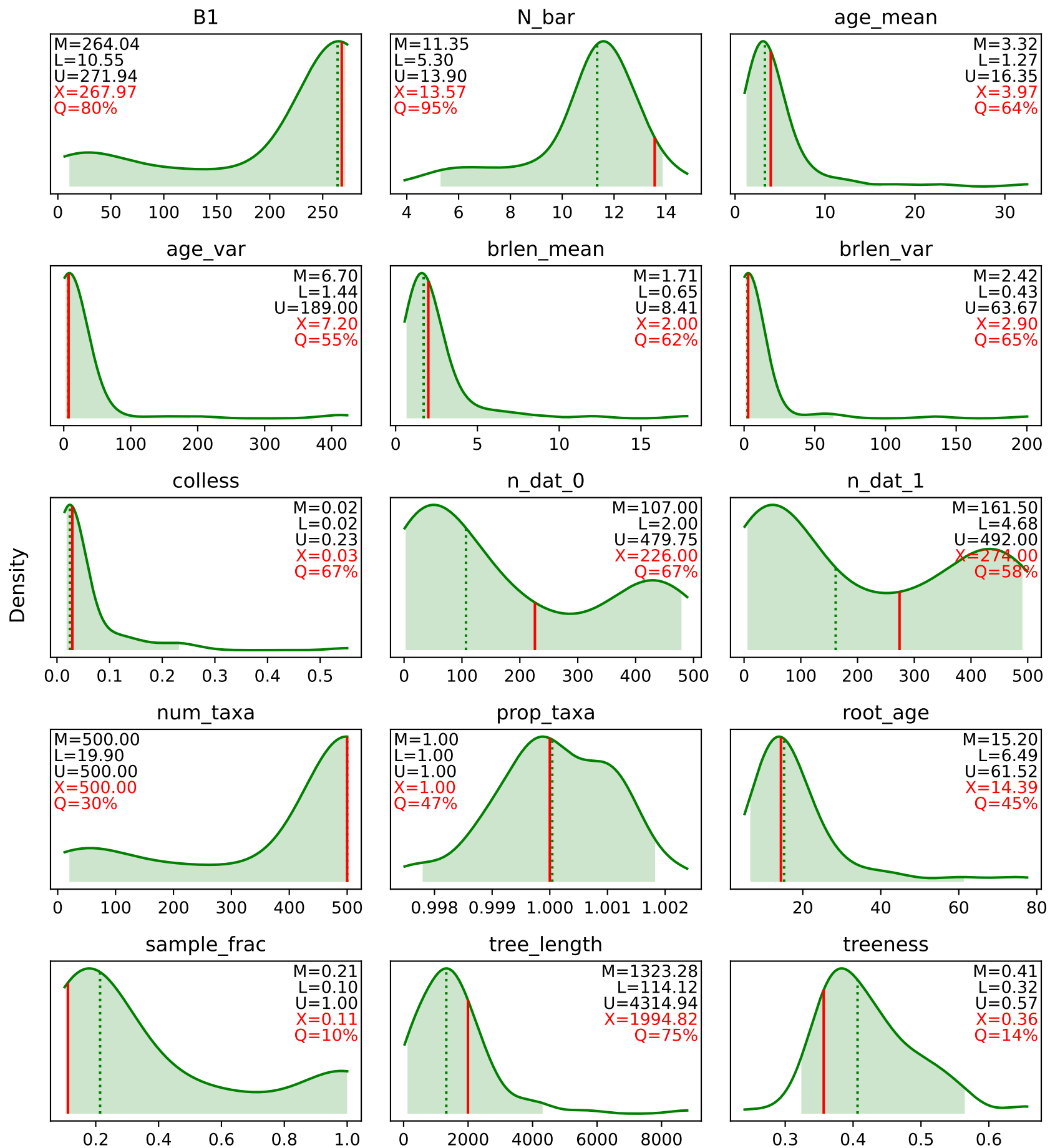
PCA: Aux. data



PCA: Labels



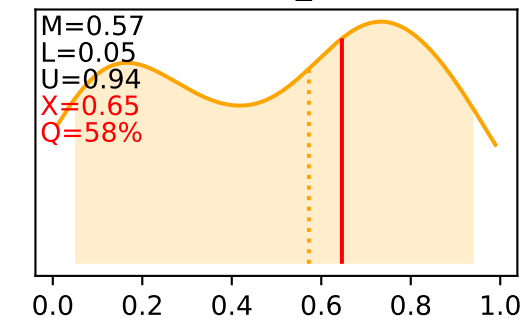
Density: Aux. data



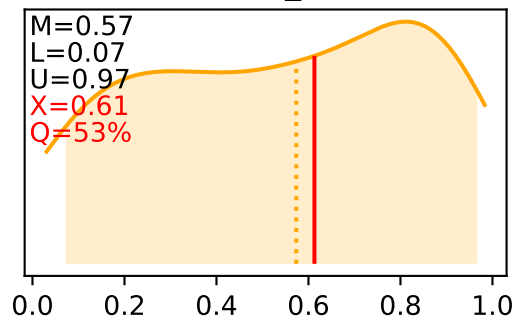
Data

Density: Labels

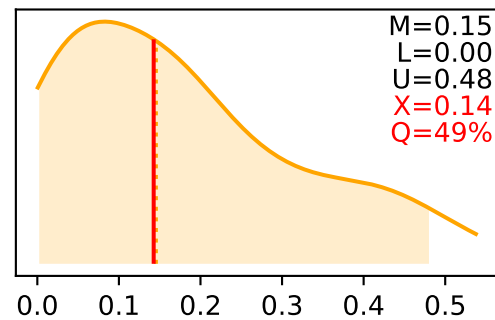
birth_1



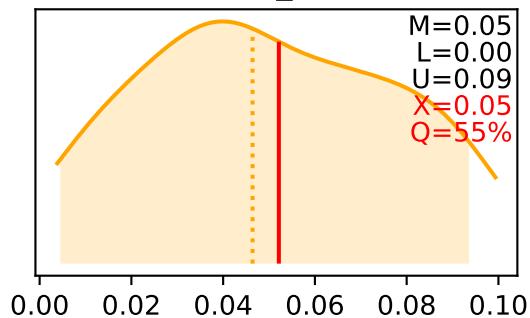
birth_2



death



state_rate



Data

Train estimates: birth_1

MAE: 1.66E-01

MAPE: 98.4%

MSE: 3.95E-02

RMSE: 1.99E-01

Intercept: 1.80E-02

Slope: 9.89E-01

Coverage: 100.0%

birth_1 truth

1.5

1.0

0.5

0.0

-0.5

-0.5

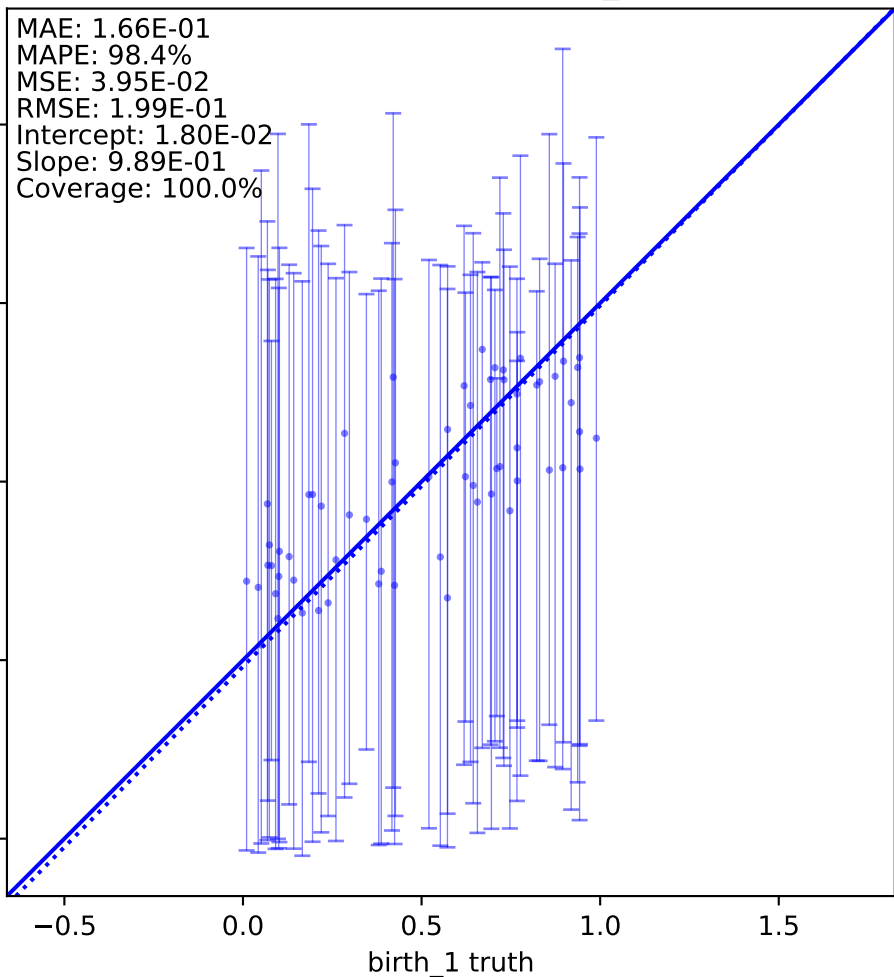
0.0

0.5

1.0

1.5

birth_1 truth

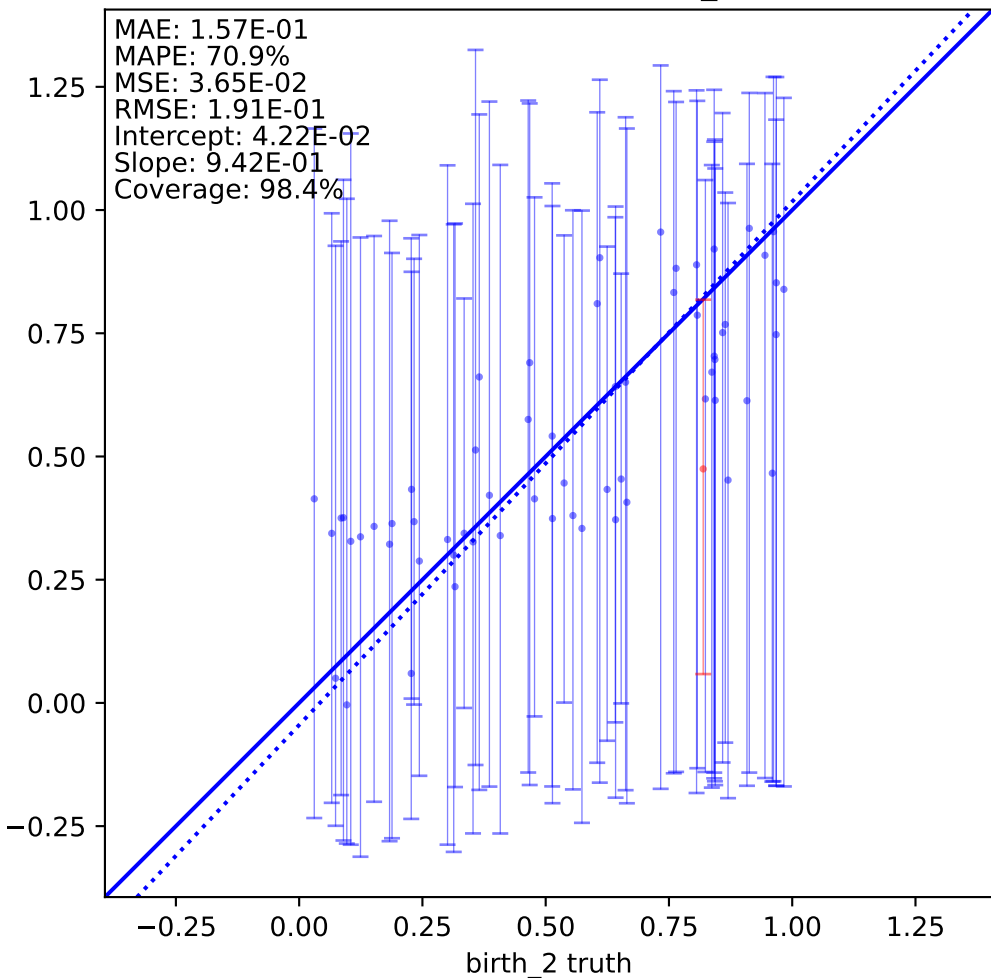


Train estimates: birth_2

MAE: 1.57E-01
MAPE: 70.9%
MSE: 3.65E-02
RMSE: 1.91E-01
Intercept: 4.22E-02
Slope: 9.42E-01
Coverage: 98.4%

birth_2 truth

birth_2 truth

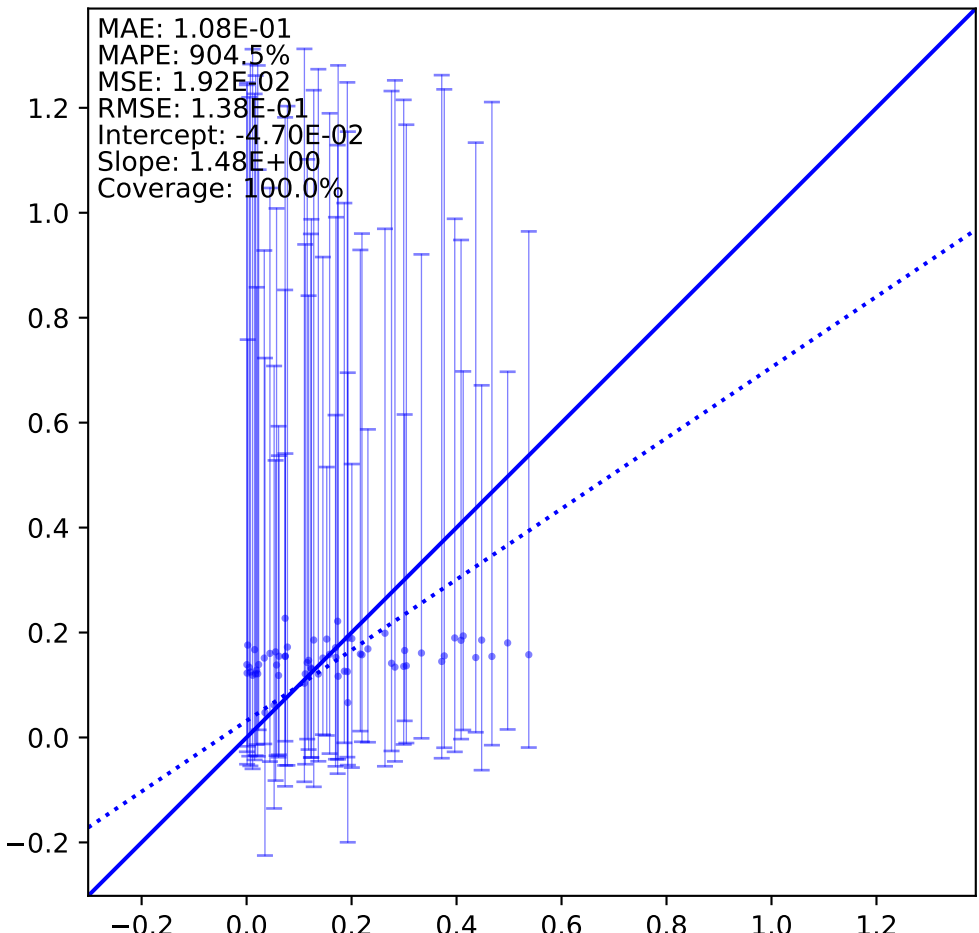


Train estimates: death

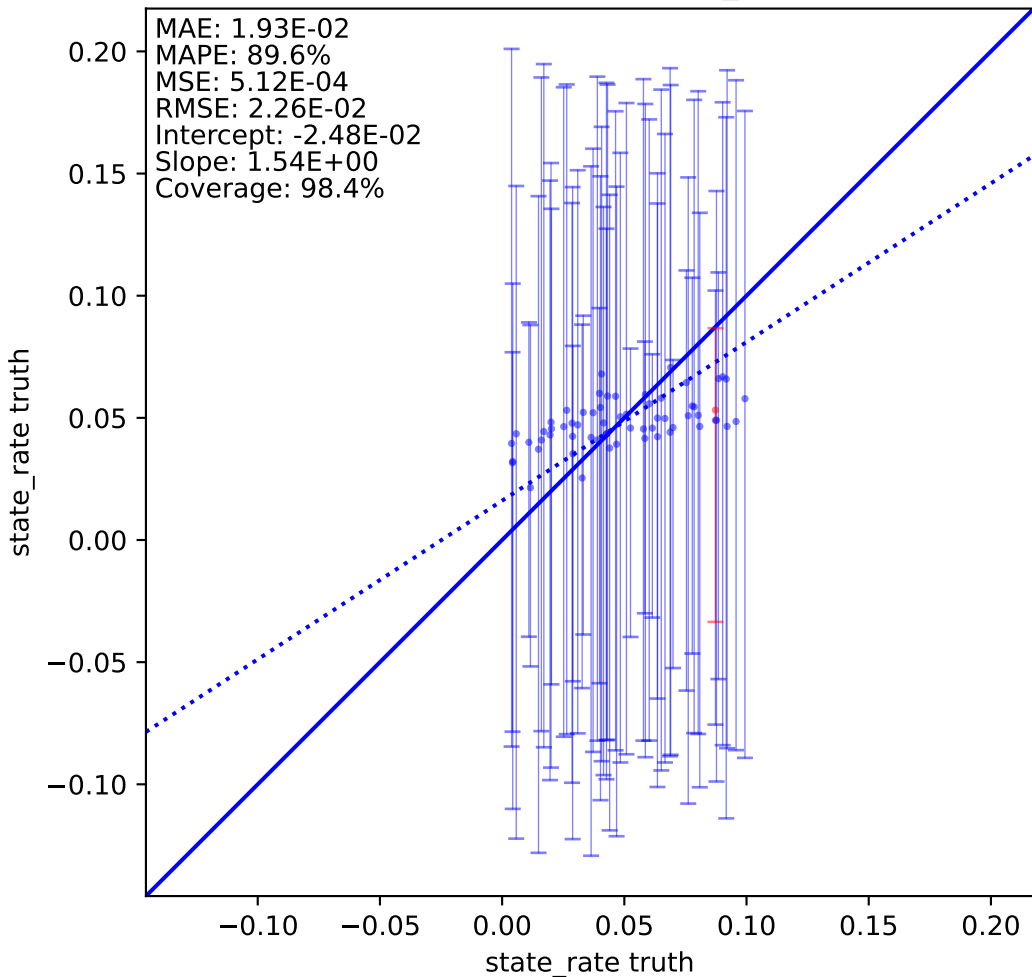
MAE: 1.08E-01
MAPE: 904.5%
MSE: 1.92E-02
RMSE: 1.38E-01
Intercept: -4.70E-02
Slope: 1.48E+00
Coverage: 100.0%

death truth

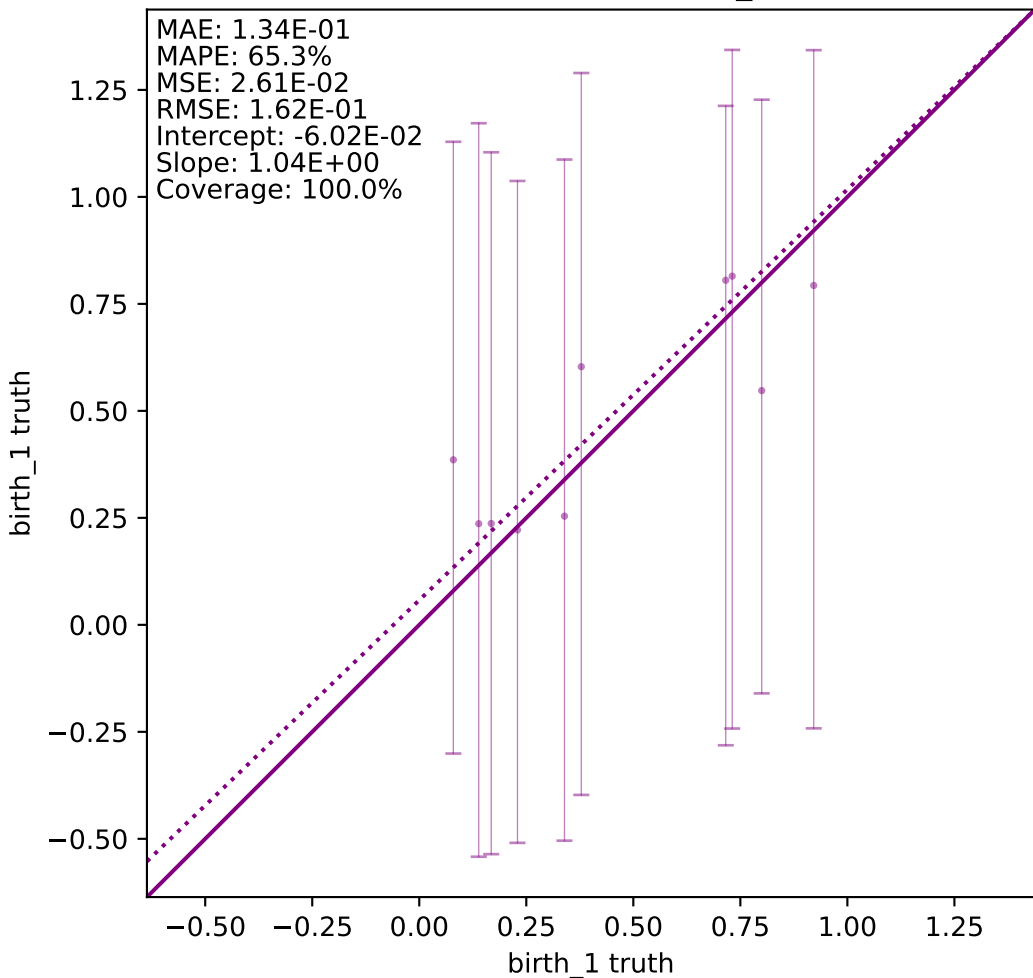
death truth



Train estimates: state_rate



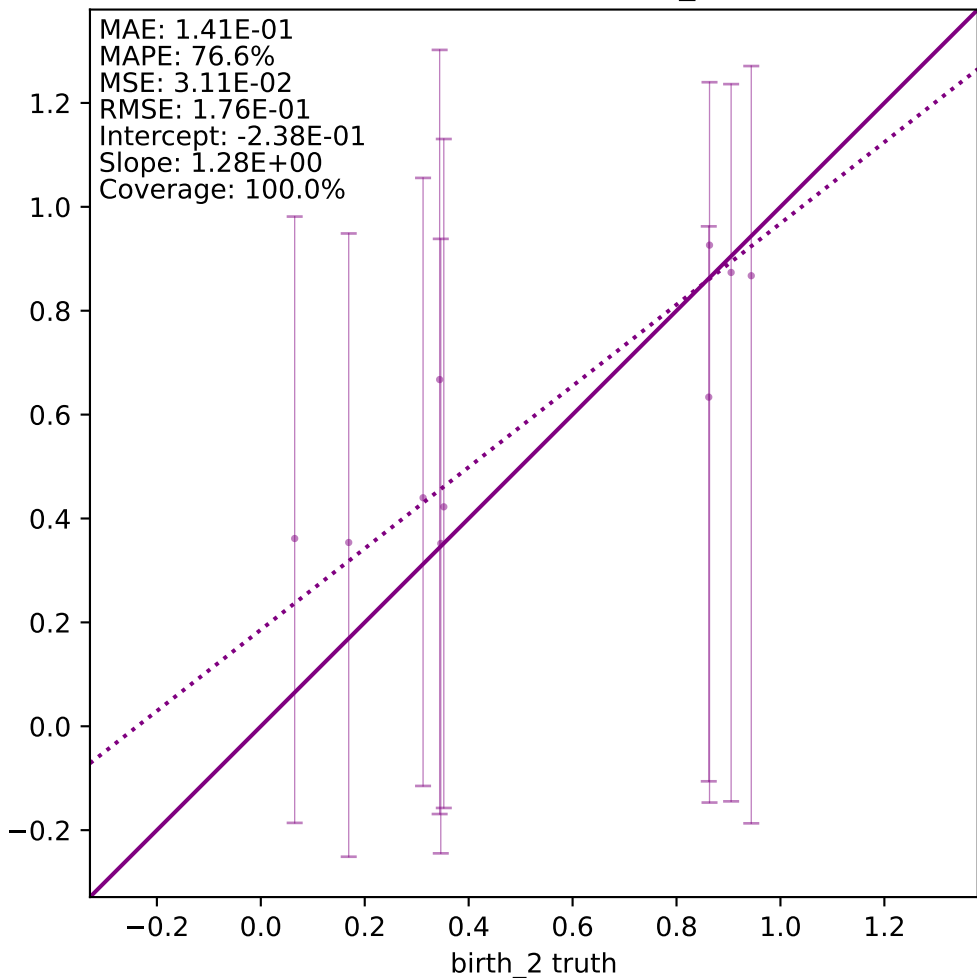
Test estimates: birth_1



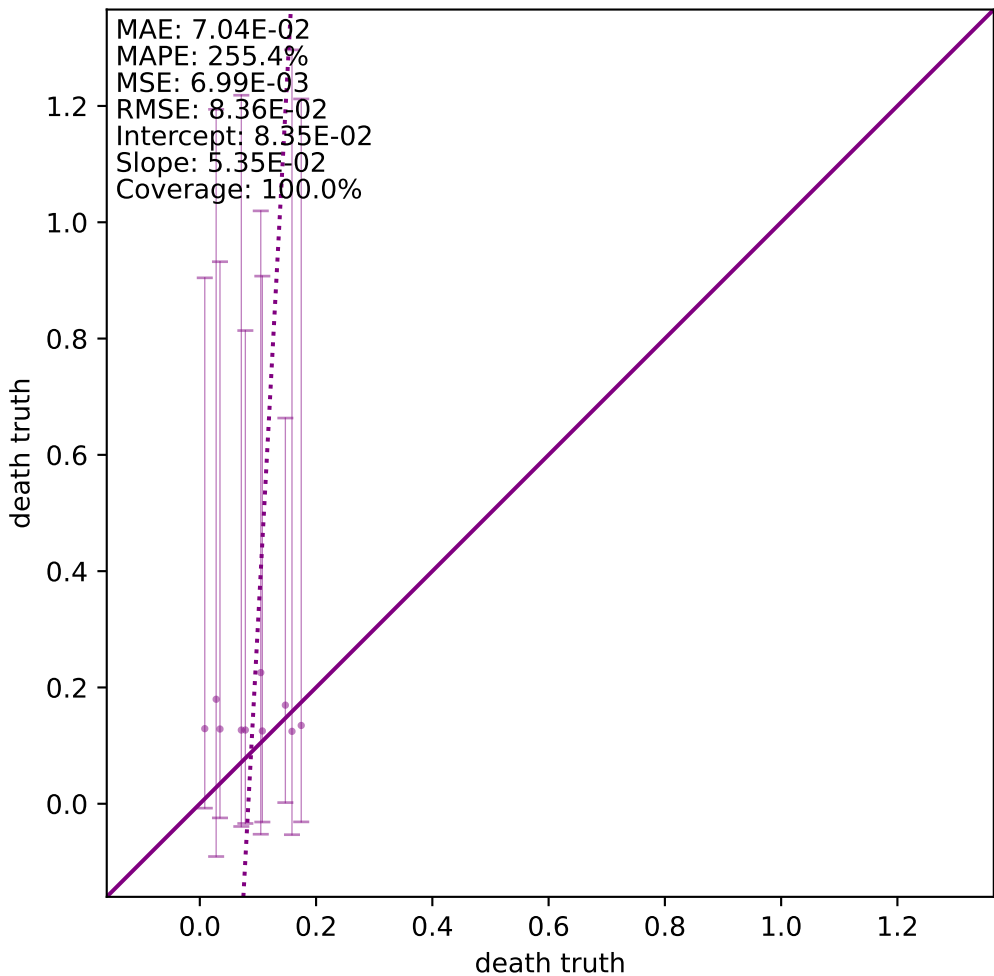
Test estimates: birth_2

MAE: 1.41E-01
 MAPE: 76.6%
 MSE: 3.11E-02
 RMSE: 1.76E-01
 Intercept: -2.38E-01
 Slope: 1.28E+00
 Coverage: 100.0%

birth_2 truth



Test estimates: death



Test estimates: state_rate

MAE: 2.05E-02
MAPE: 130.7%
MSE: 8.06E-04
RMSE: 2.84E-02
Intercept: 1.45E-01
Slope: -2.04E+00
Coverage: 90.0%

state_rate truth

0.20

0.15

0.10

0.05

0.00

-0.05

-0.10

-0.10

-0.05

0.00

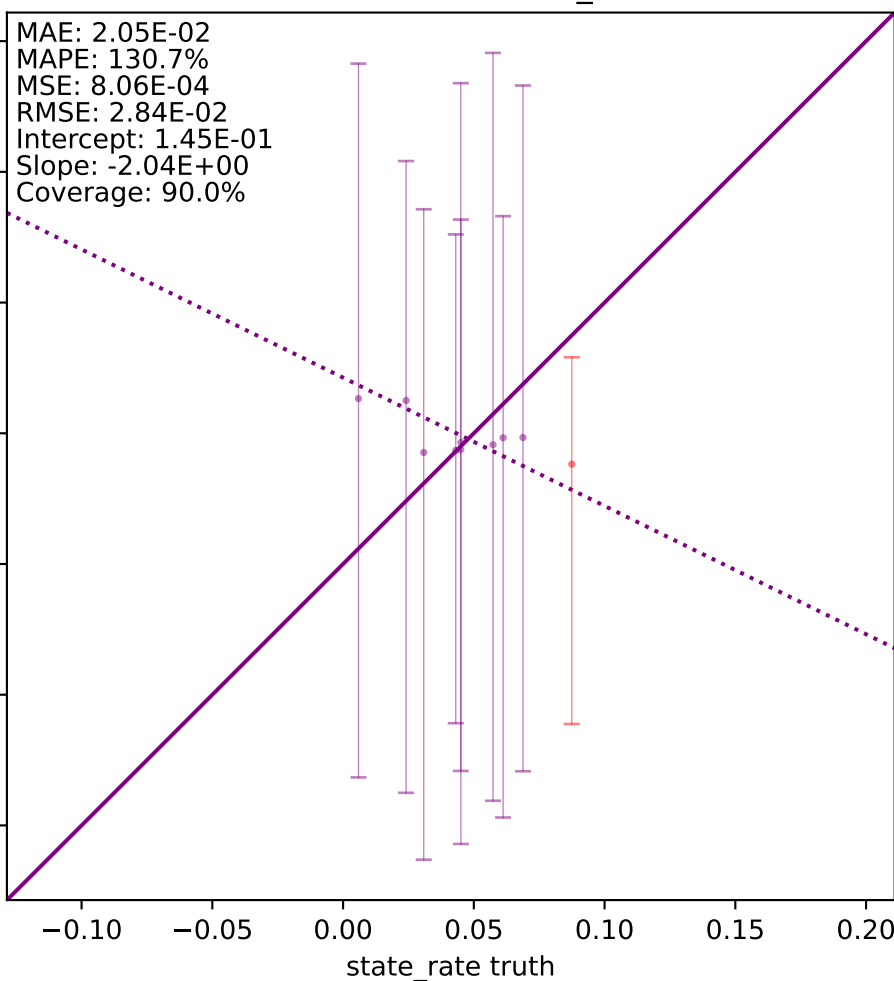
0.05

0.10

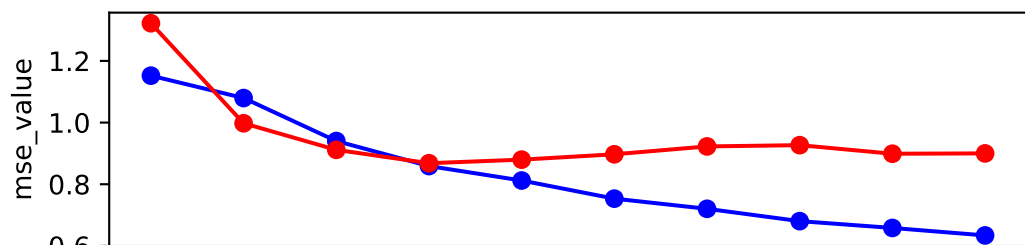
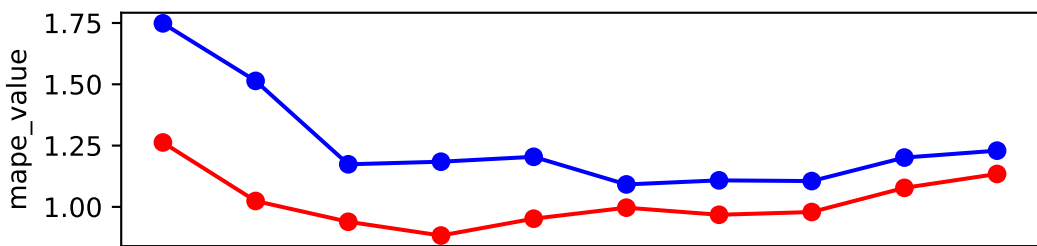
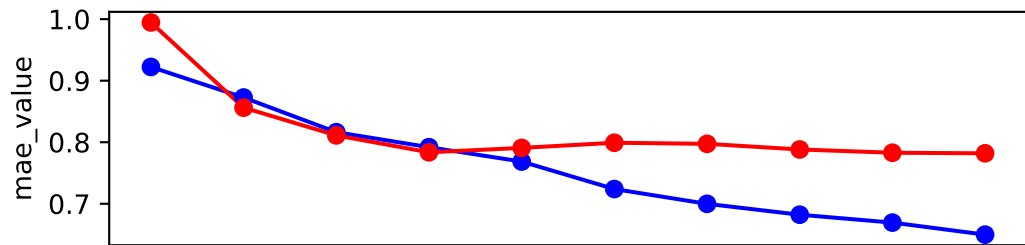
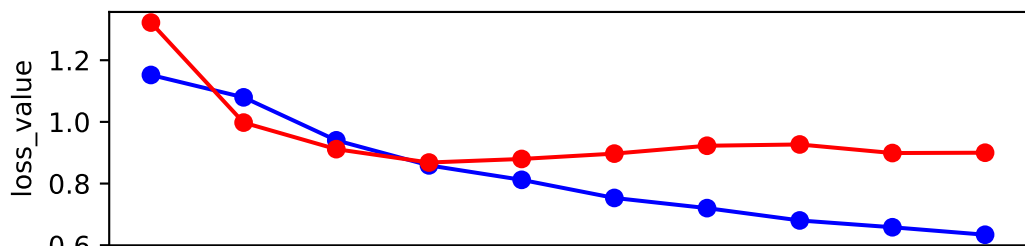
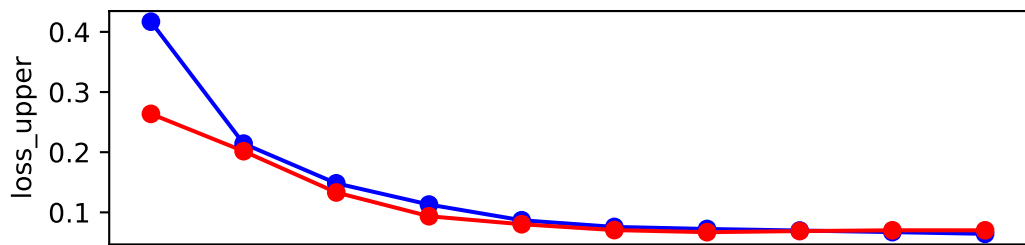
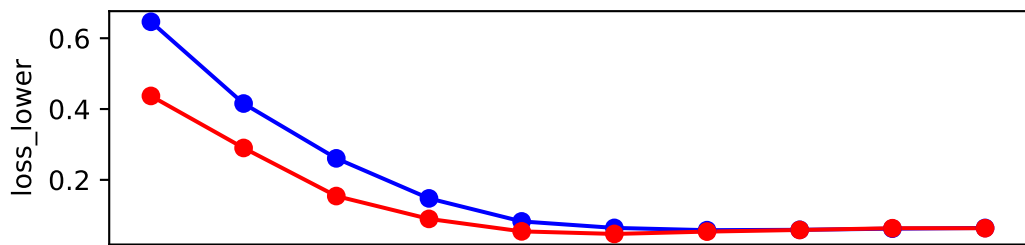
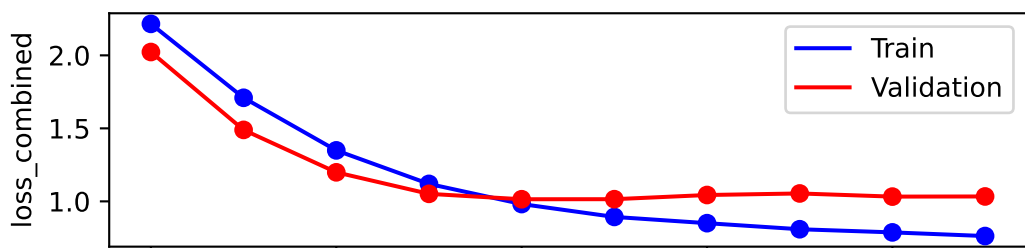
0.15

0.20

state_rate truth



Training history



Epochs

Metrics

