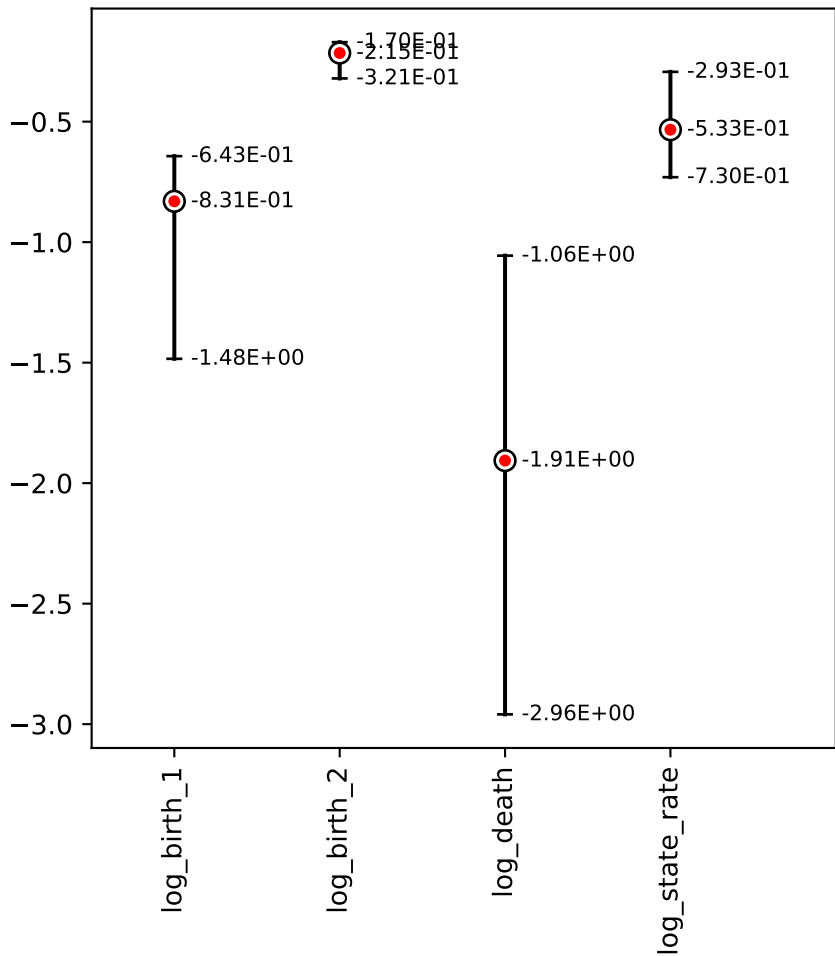
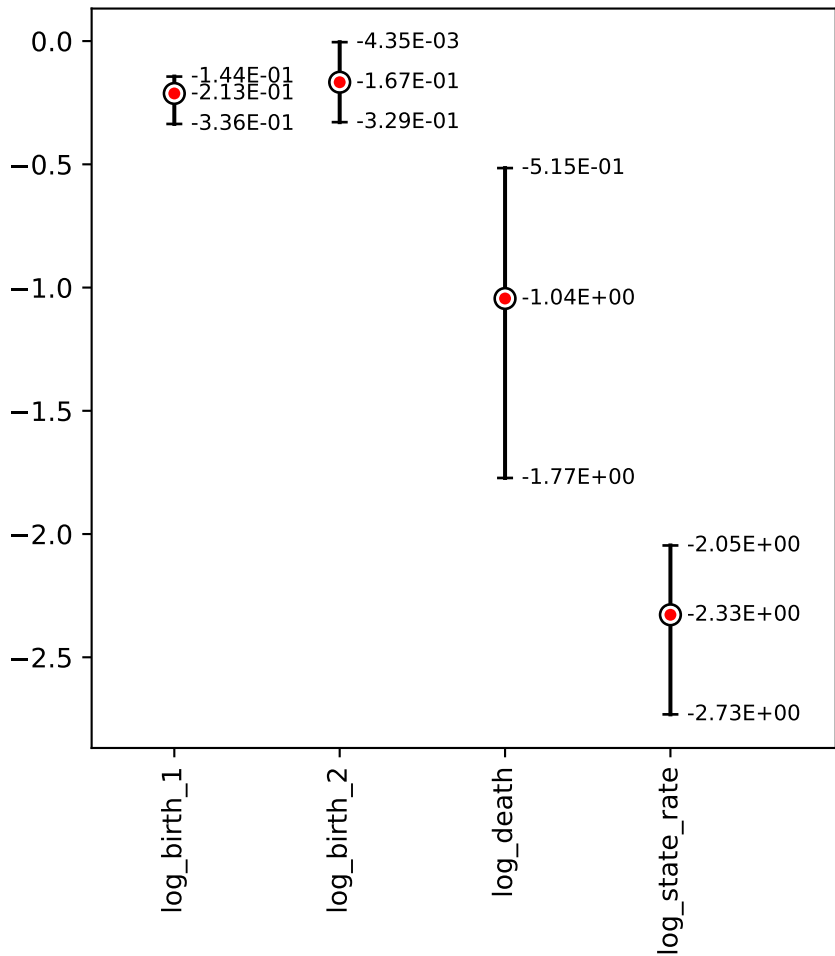


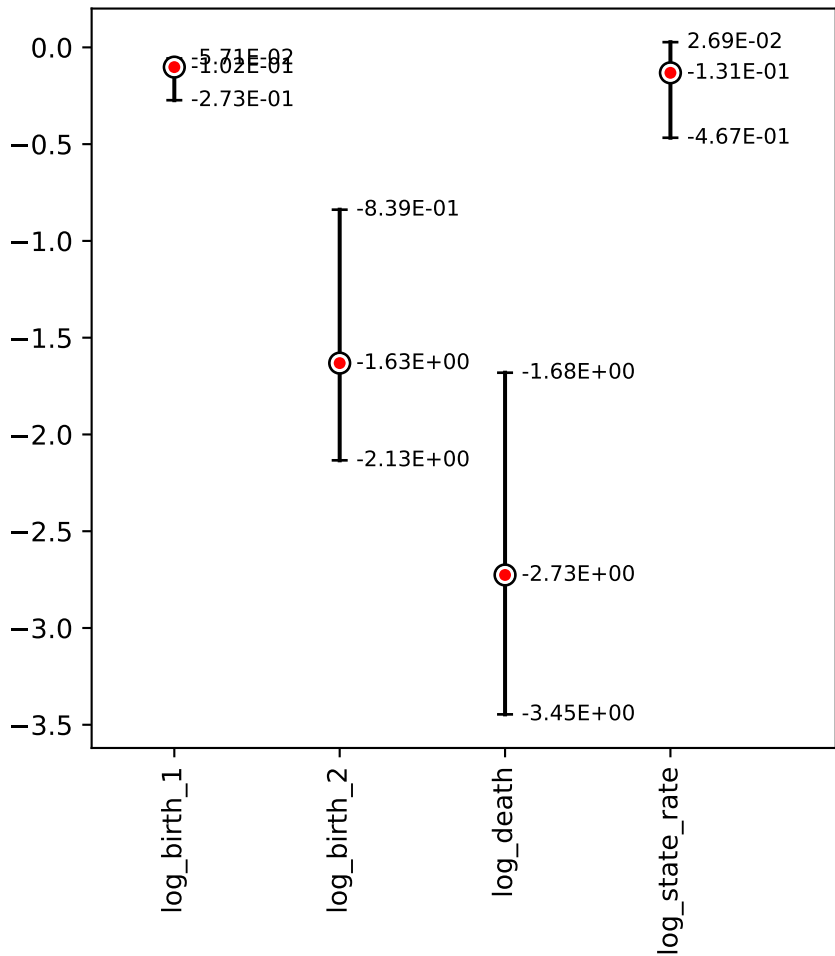
Estimate: out.empirical.0



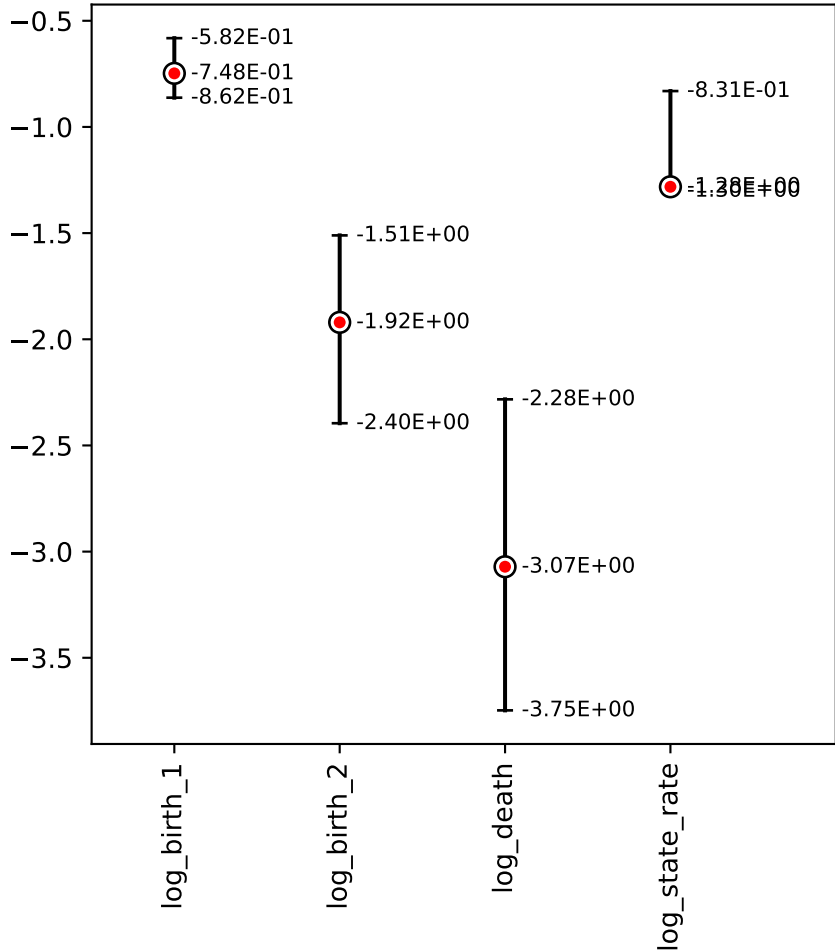
Estimate: out.empirical.1



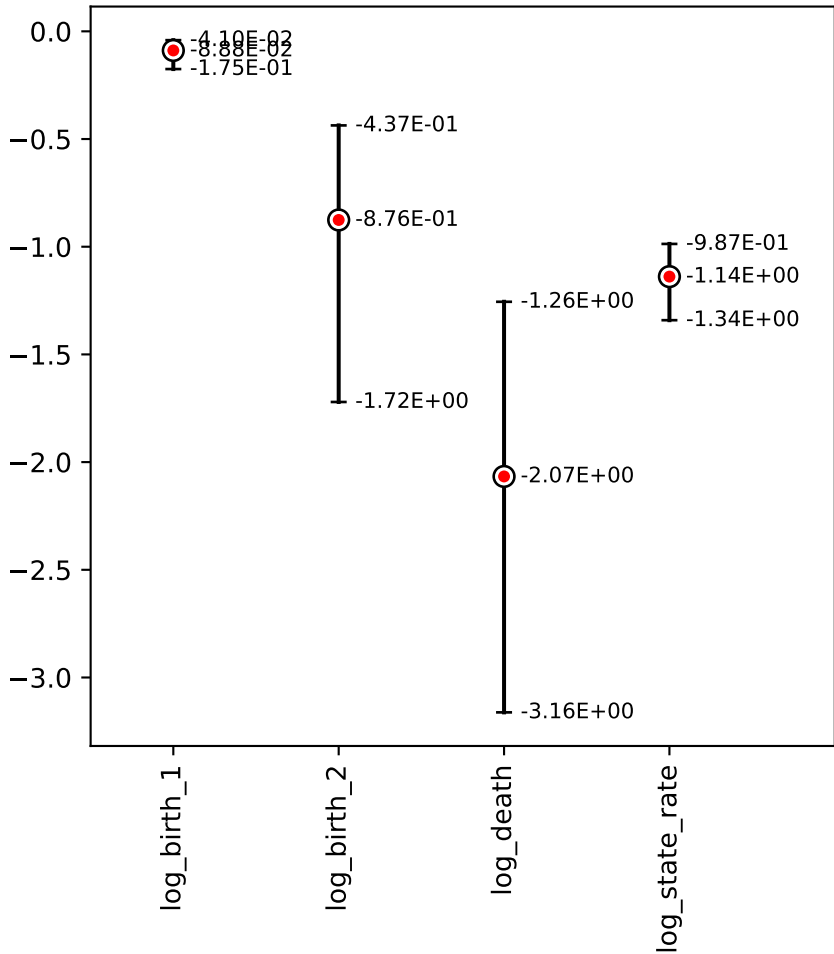
Estimate: out.empirical.2



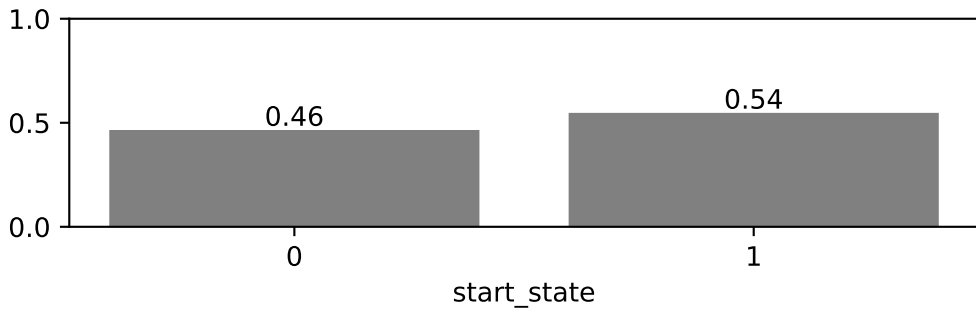
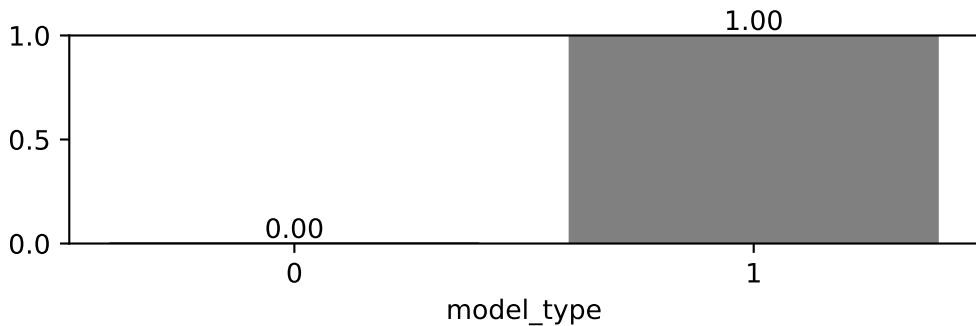
Estimate: out.empirical.3



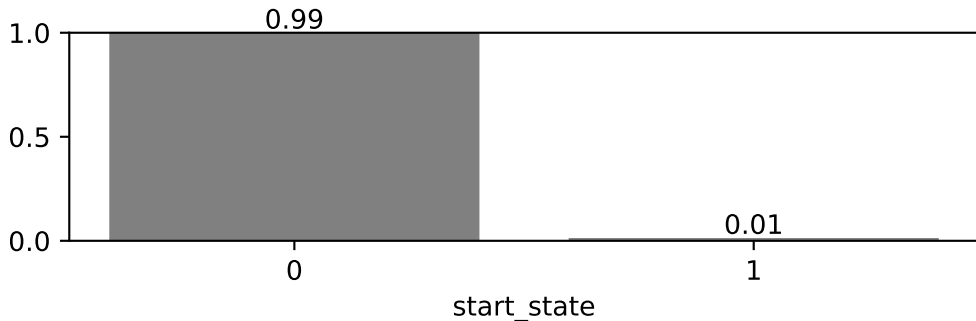
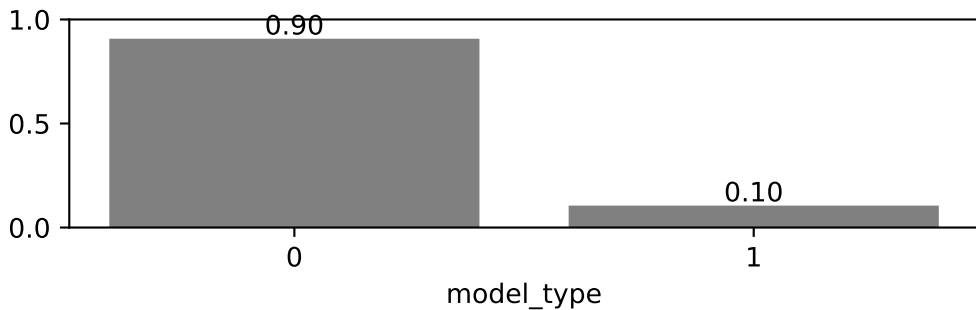
Estimate: out.empirical.4



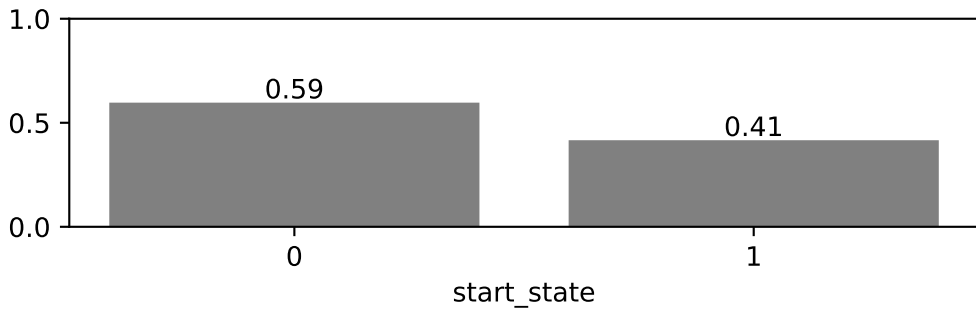
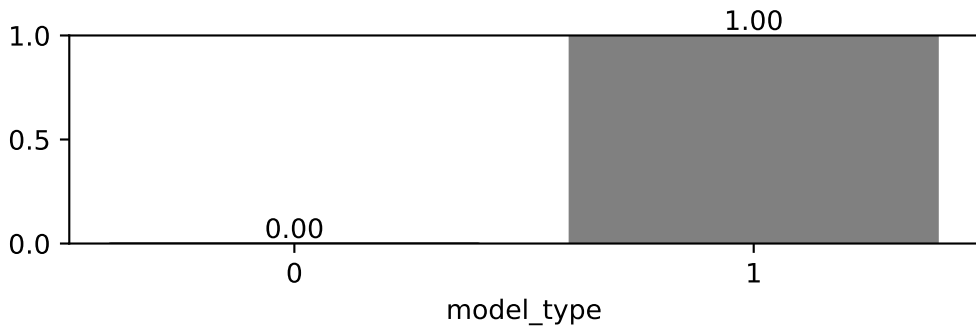
Estimate: out.empirical.0



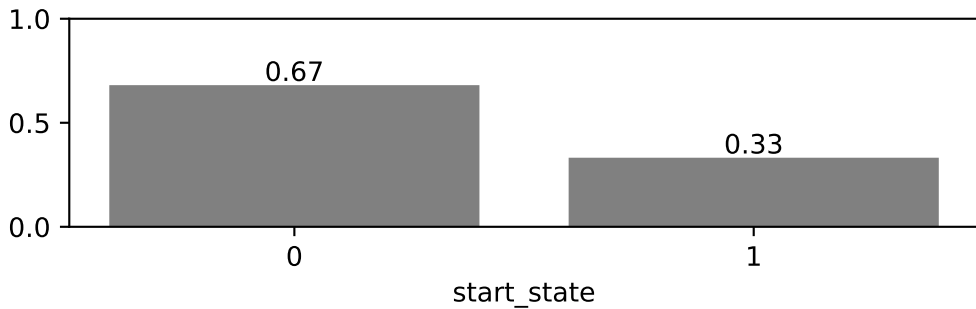
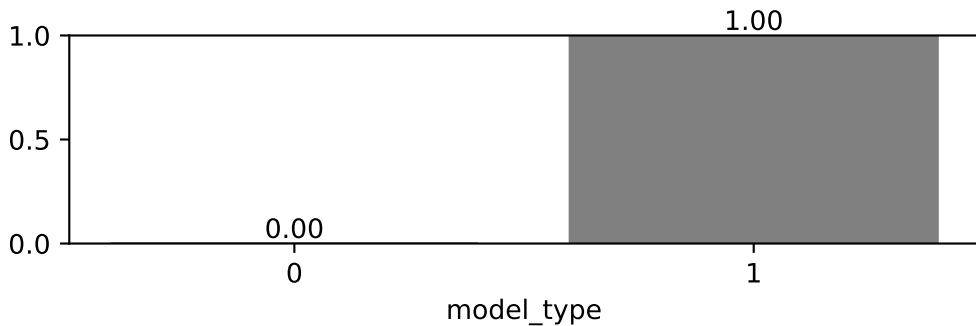
Estimate: out.empirical.1



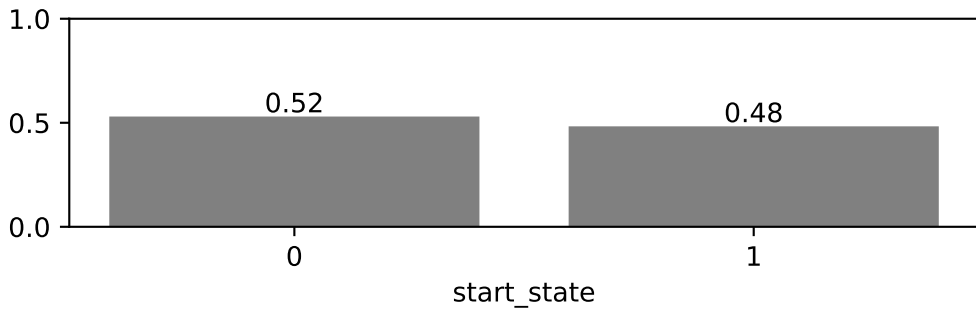
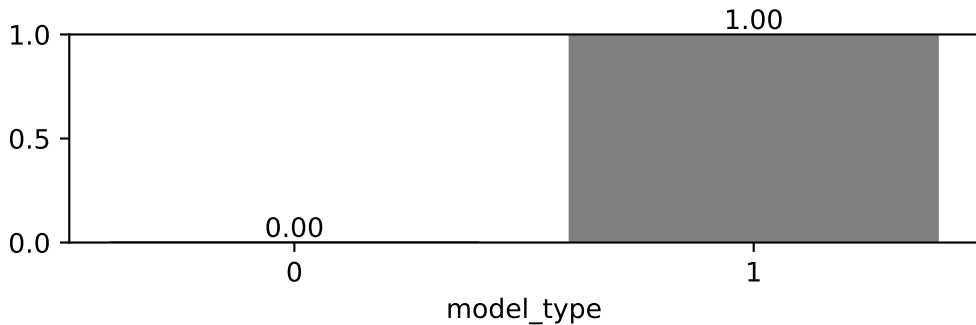
Estimate: out.empirical.2



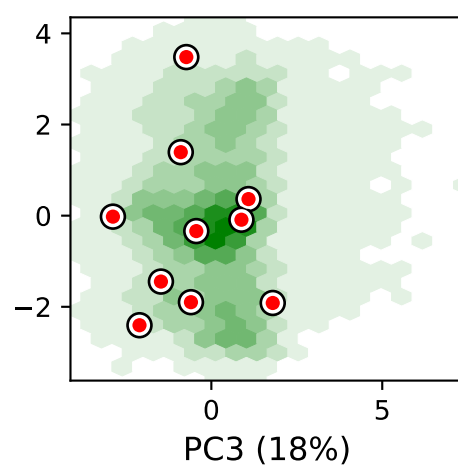
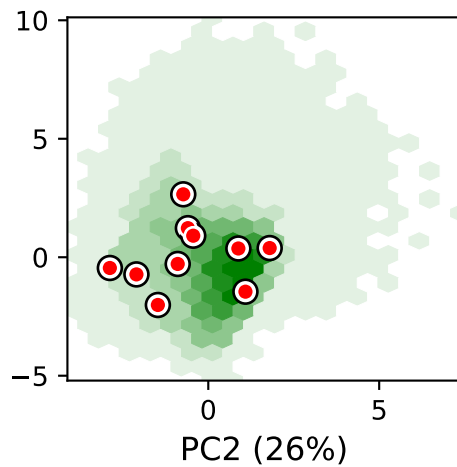
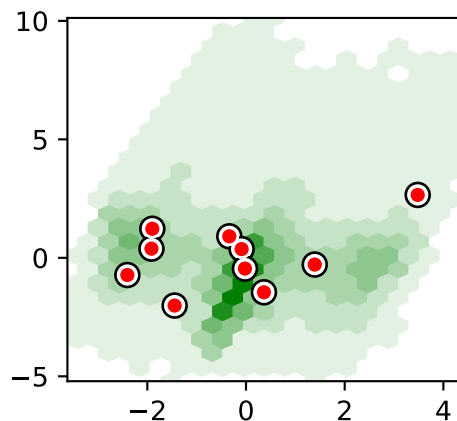
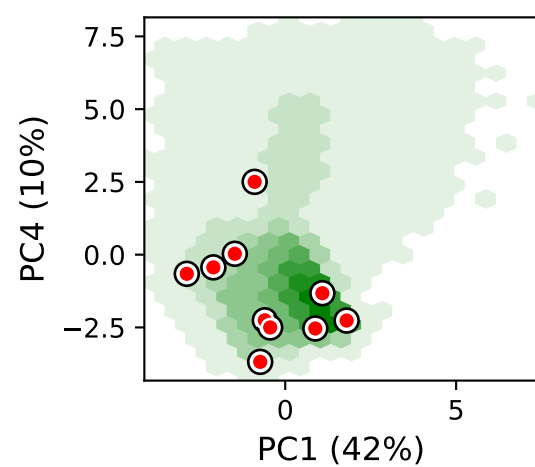
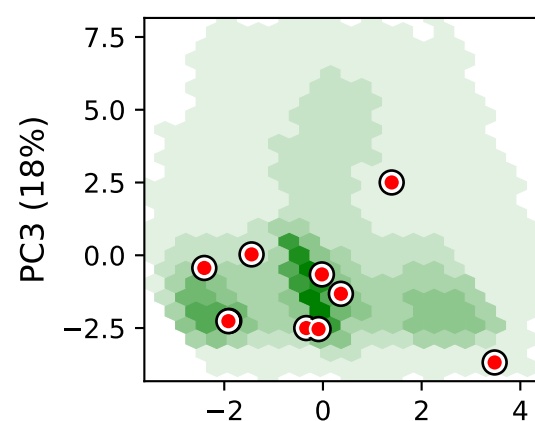
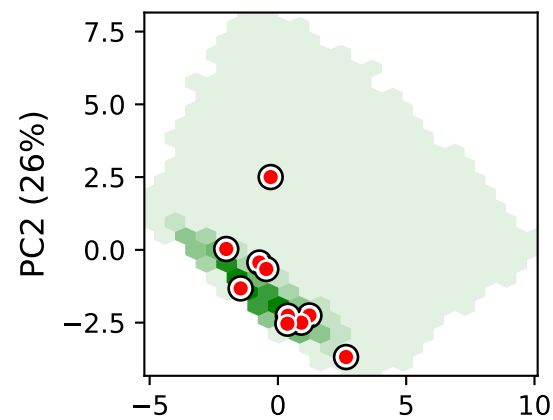
Estimate: out.empirical.3



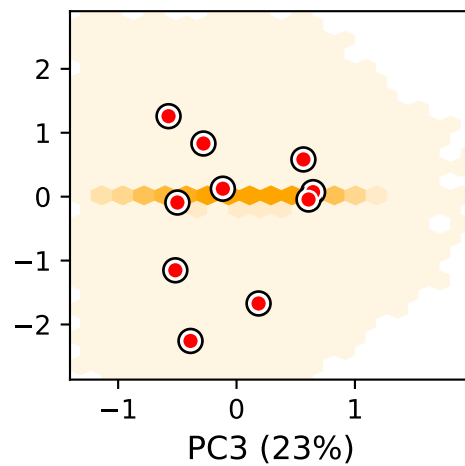
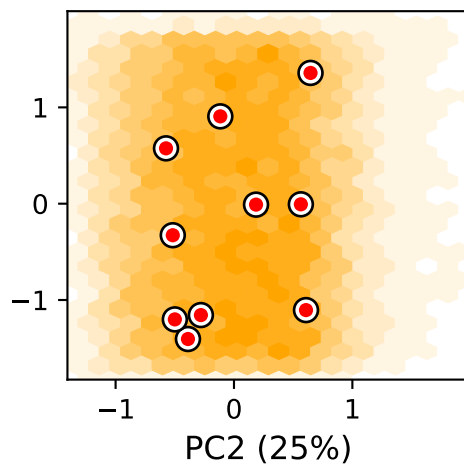
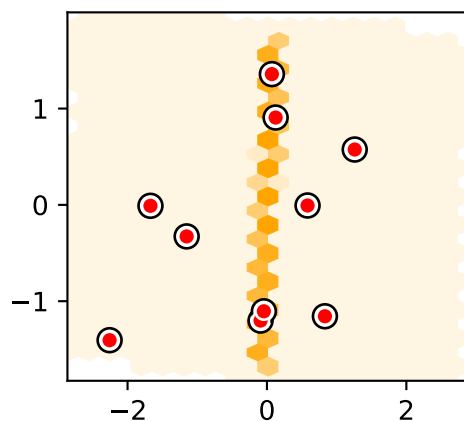
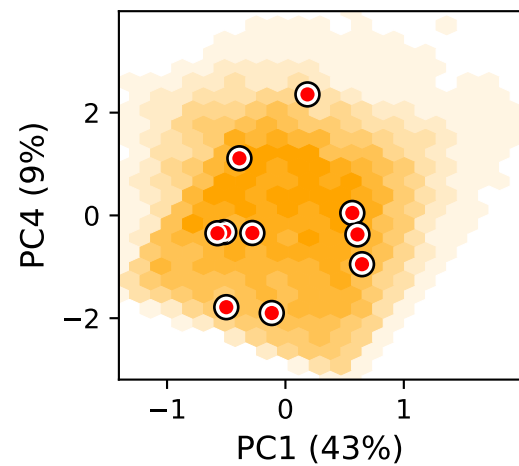
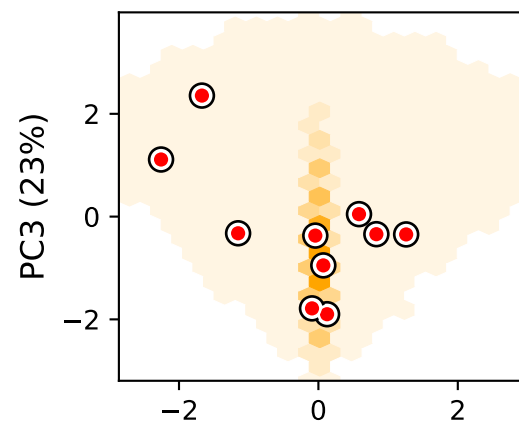
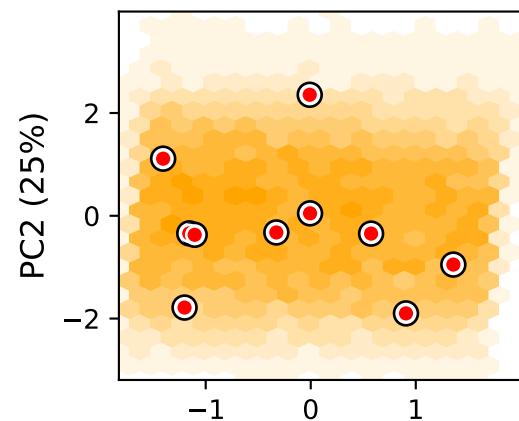
Estimate: out.empirical.4



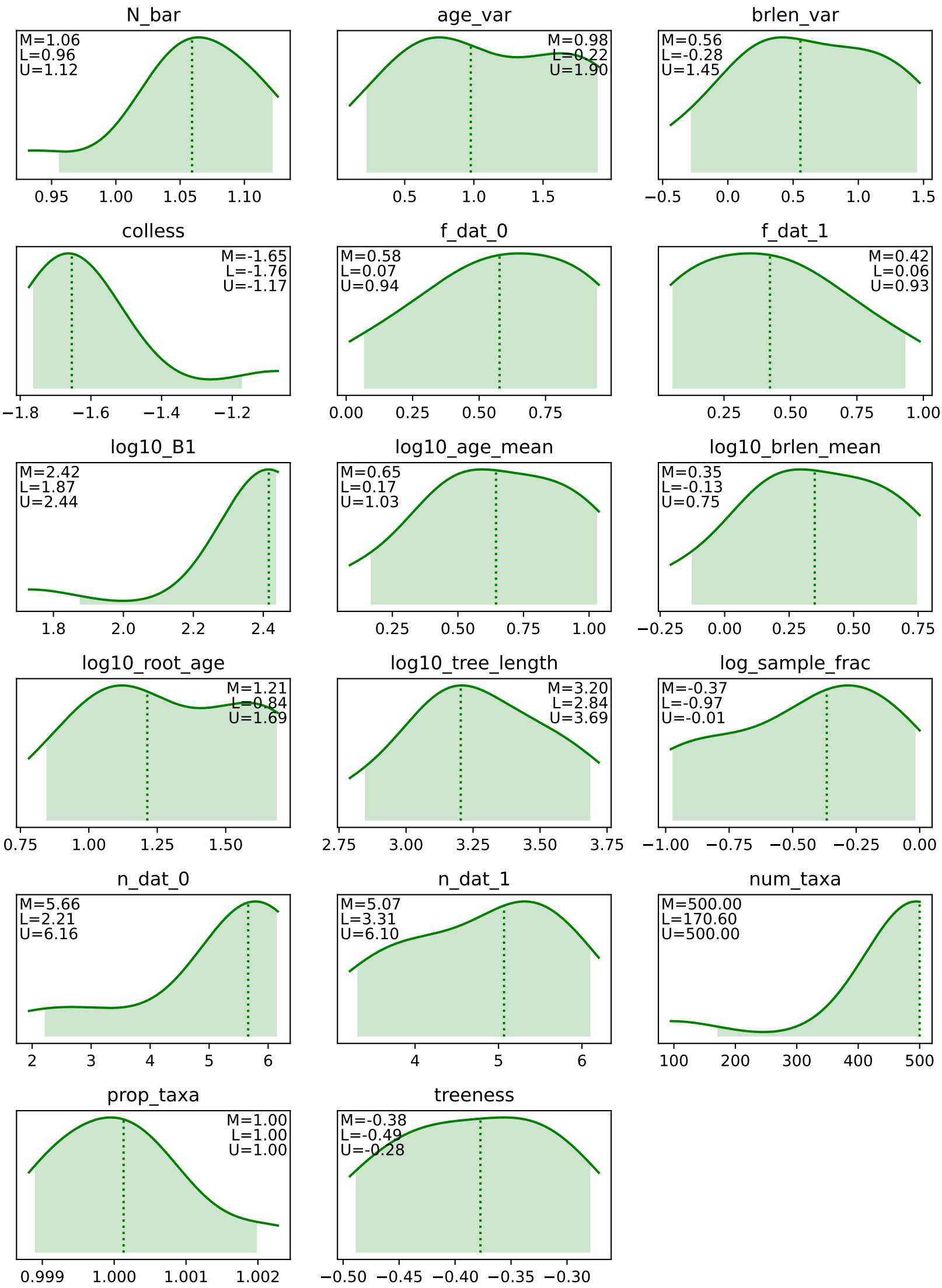
PCA: training aux. data



PCA: training labels

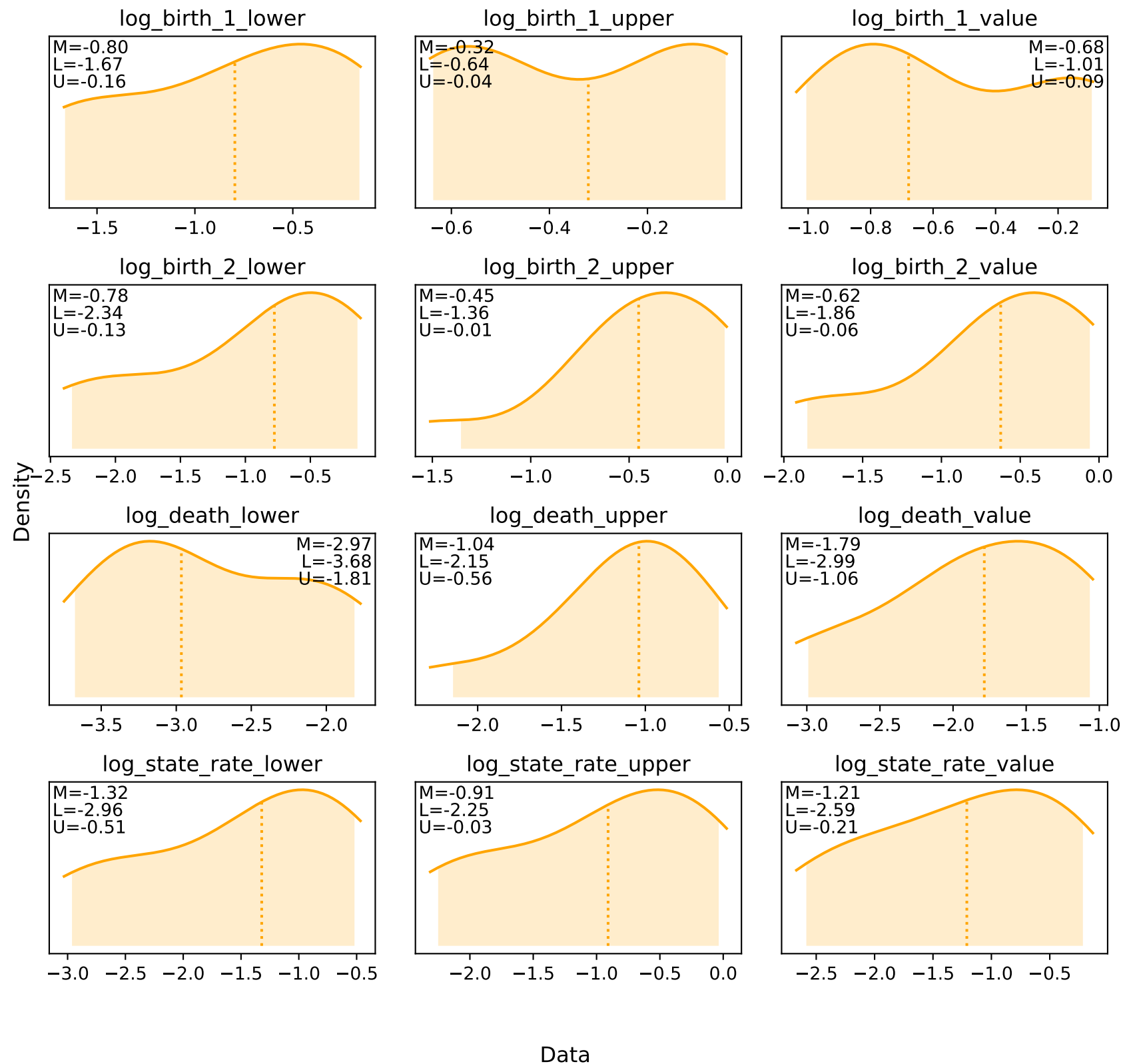


Density: empirical aux. data

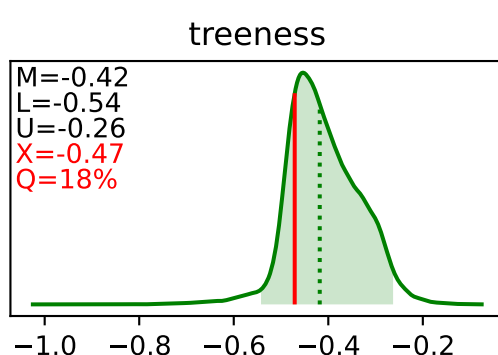
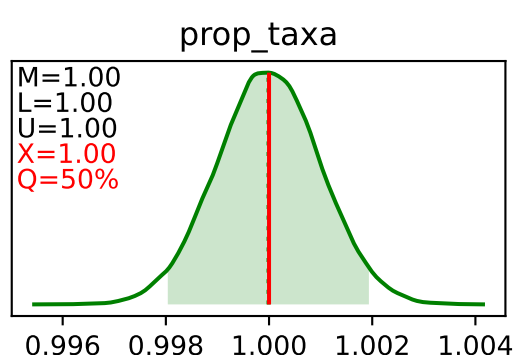
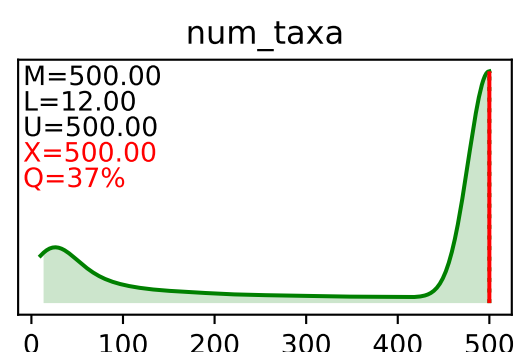
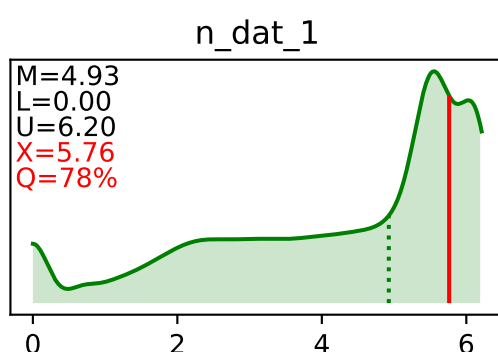
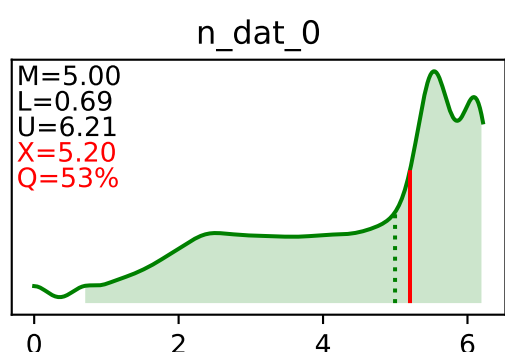
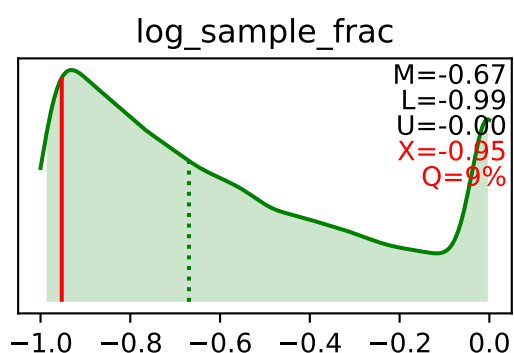
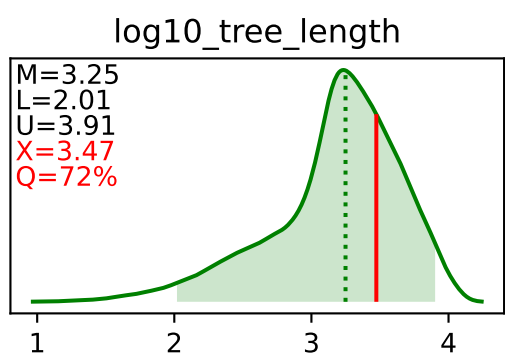
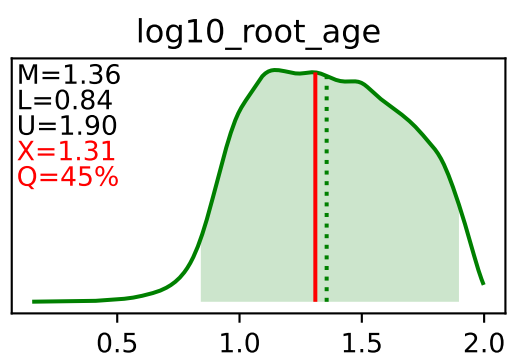
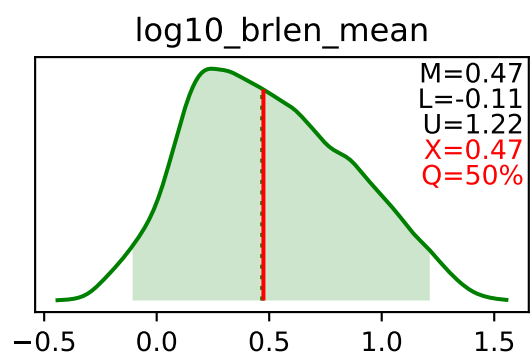
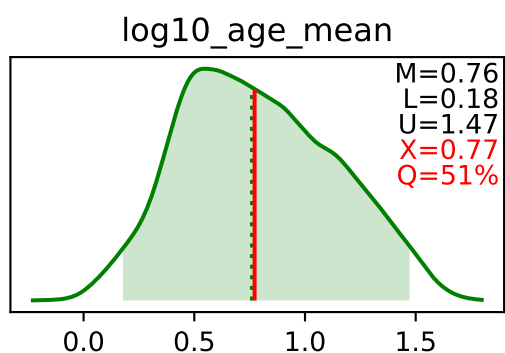
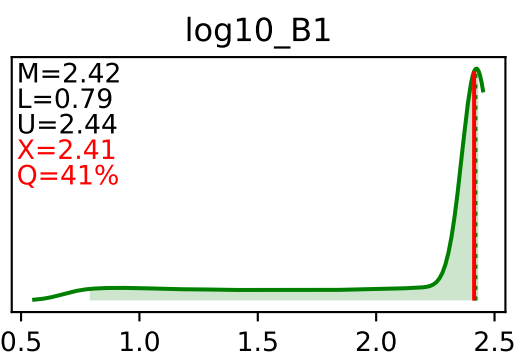
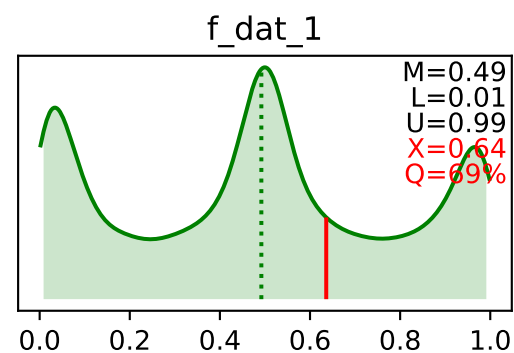
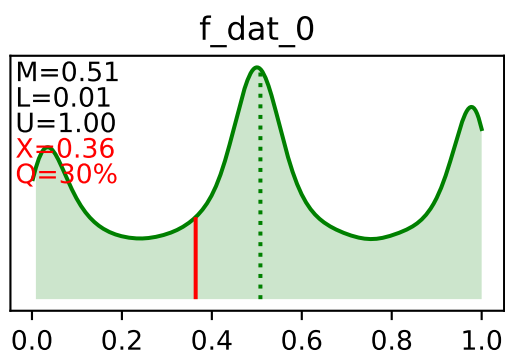
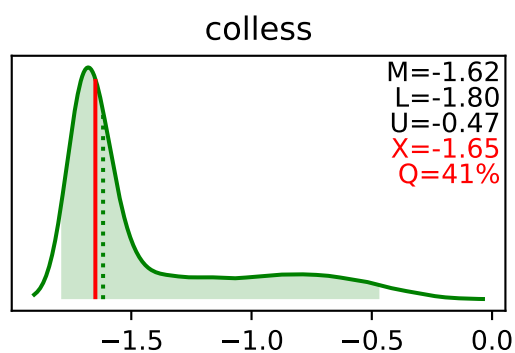
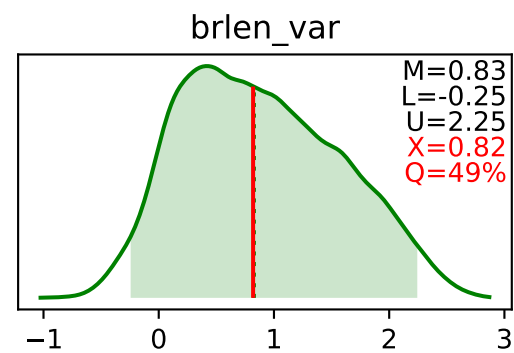
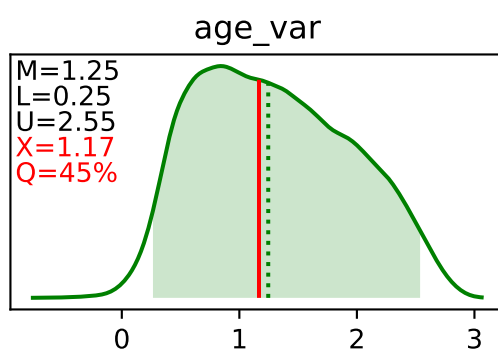
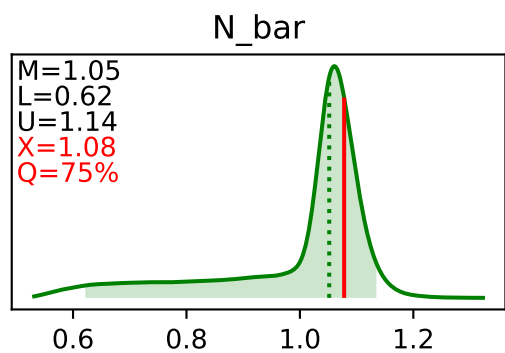


Data

Density: empirical labels

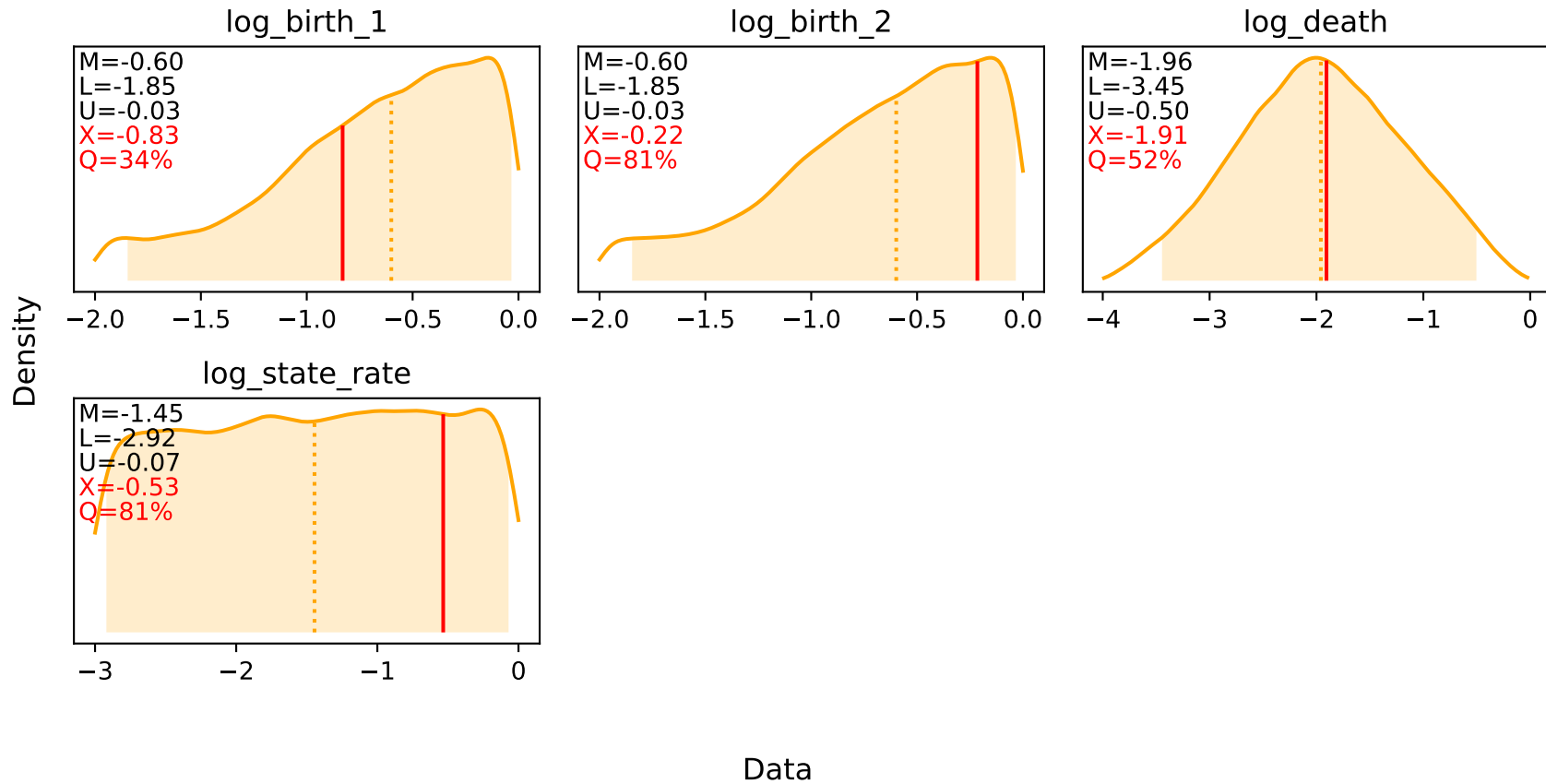


Density: training aux. data



Data

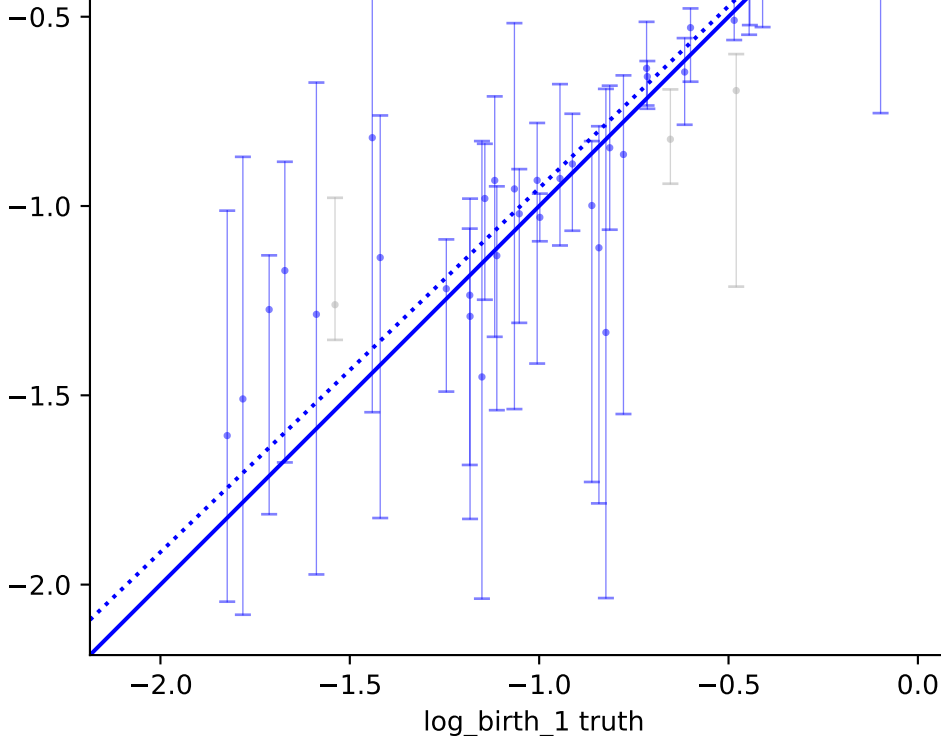
Density: training labels



Train estimates: log_birth_1

MAE: 1.26E-01
MAPE: -94.8%
MSE: 5.31E-02
RMSE: 2.31E-01
Intercept: -9.03E-03
Slope: 1.04E+00
Coverage: 85.3%
Coverage target: 80.0%

log_birth_1 estimate



Train estimates: log_birth_2

MAE: 1.36E-01
MAPE: -104.8%
MSE: 6.12E-02
RMSE: 2.47E-01
Intercept: -2.98E-02
Slope: 1.02E+00
Coverage: 82.5%
Coverage target: 80.0%

log_birth_2 estimate

0.0
-0.5
-1.0
-1.5
-2.0

-2.0

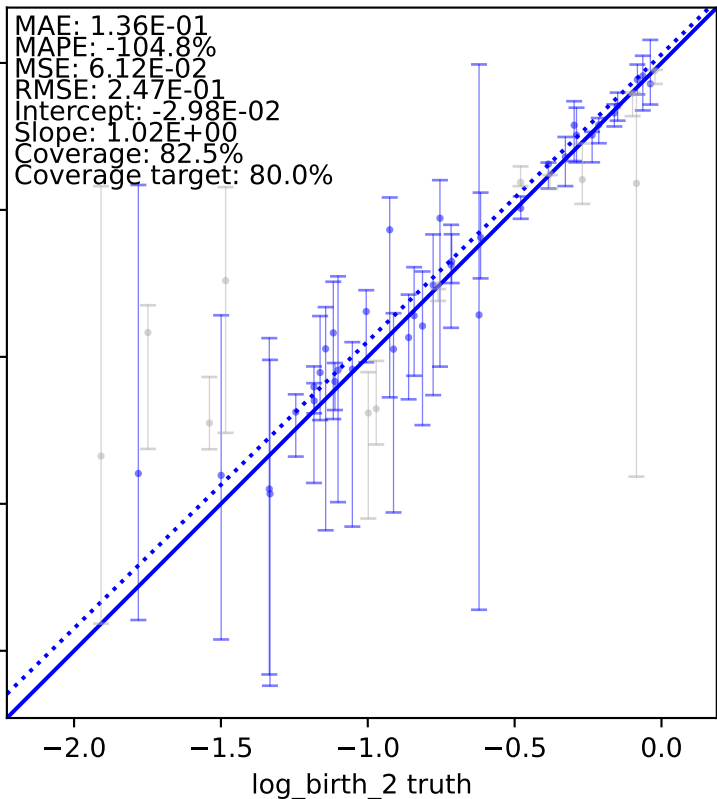
-1.5

-1.0

-0.5

0.0

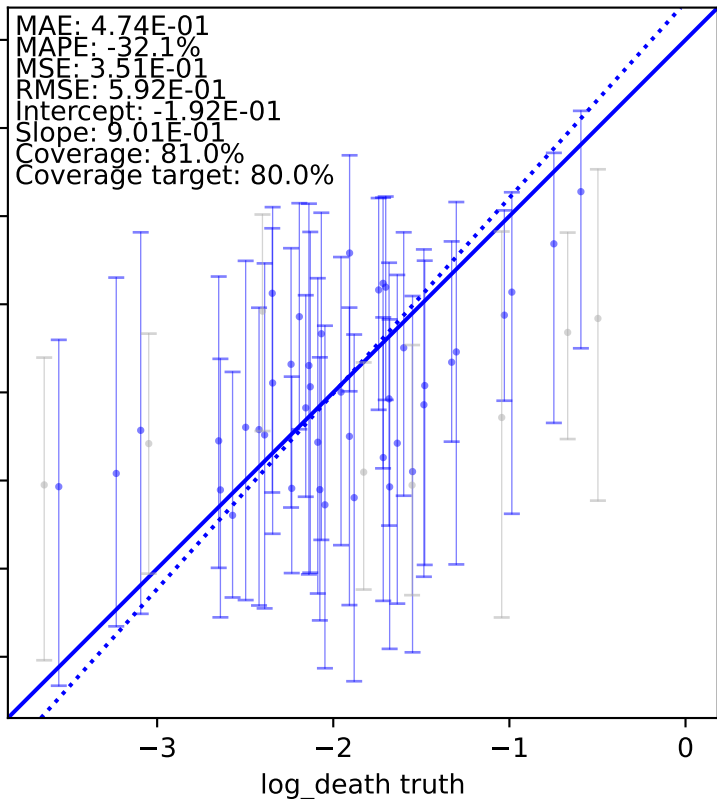
log_birth_2 truth



Train estimates: log_death

MAE: 4.74E-01
MAPE: -32.1%
MSE: 3.51E-01
RMSE: 5.92E-01
Intercept: -1.92E-01
Slope: 9.01E-01
Coverage: 81.0%
Coverage target: 80.0%

log_death estimate

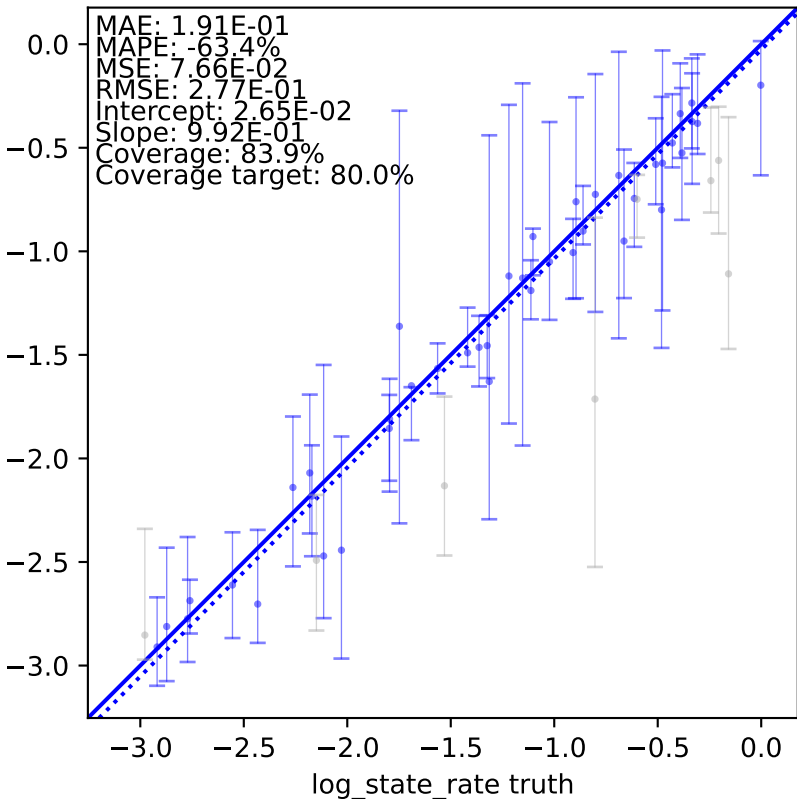


log_death truth

Train estimates: log_state_rate

MAE: 1.91E-01
MAPE: -63.4%
MSE: 7.66E-02
RMSE: 2.77E-01
Intercept: 2.65E-02
Slope: 9.92E-01
Coverage: 83.9%
Coverage target: 80.0%

log_state_rate estimate



Train estimates: model_type

model_type estimate

0

0.88

0.24

1

0.12

0.76

0

model_type truth

1

1.0

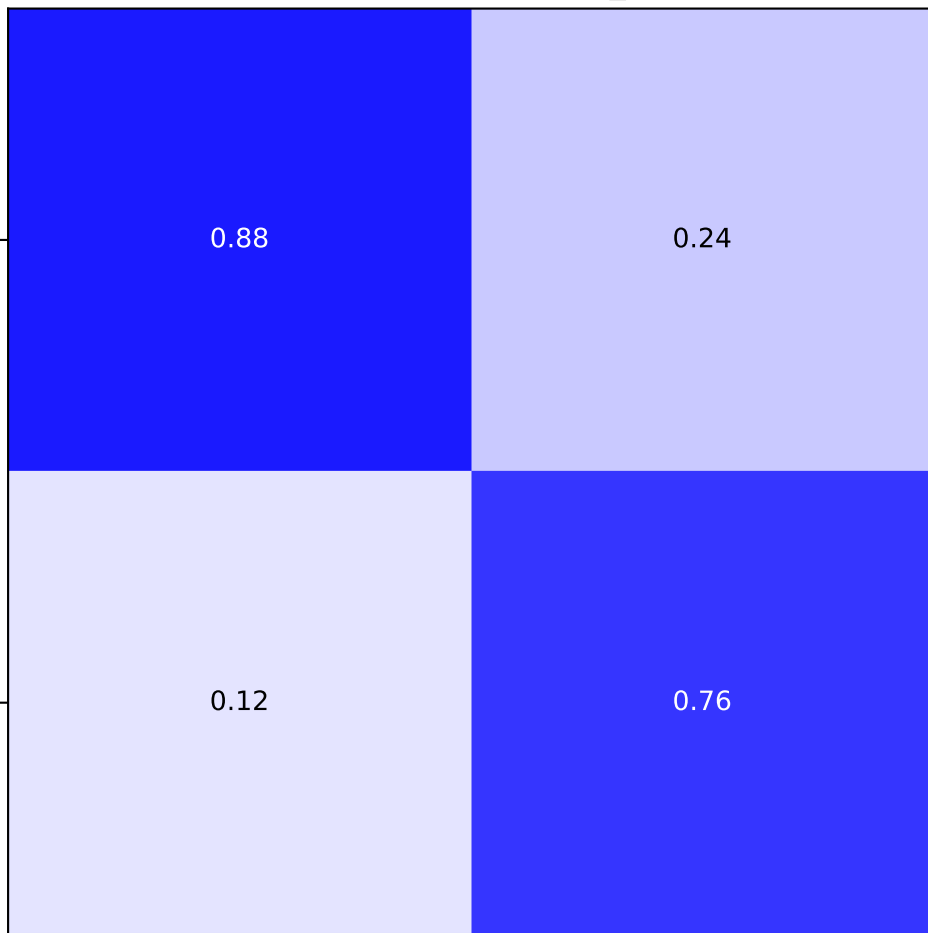
0.8

0.6

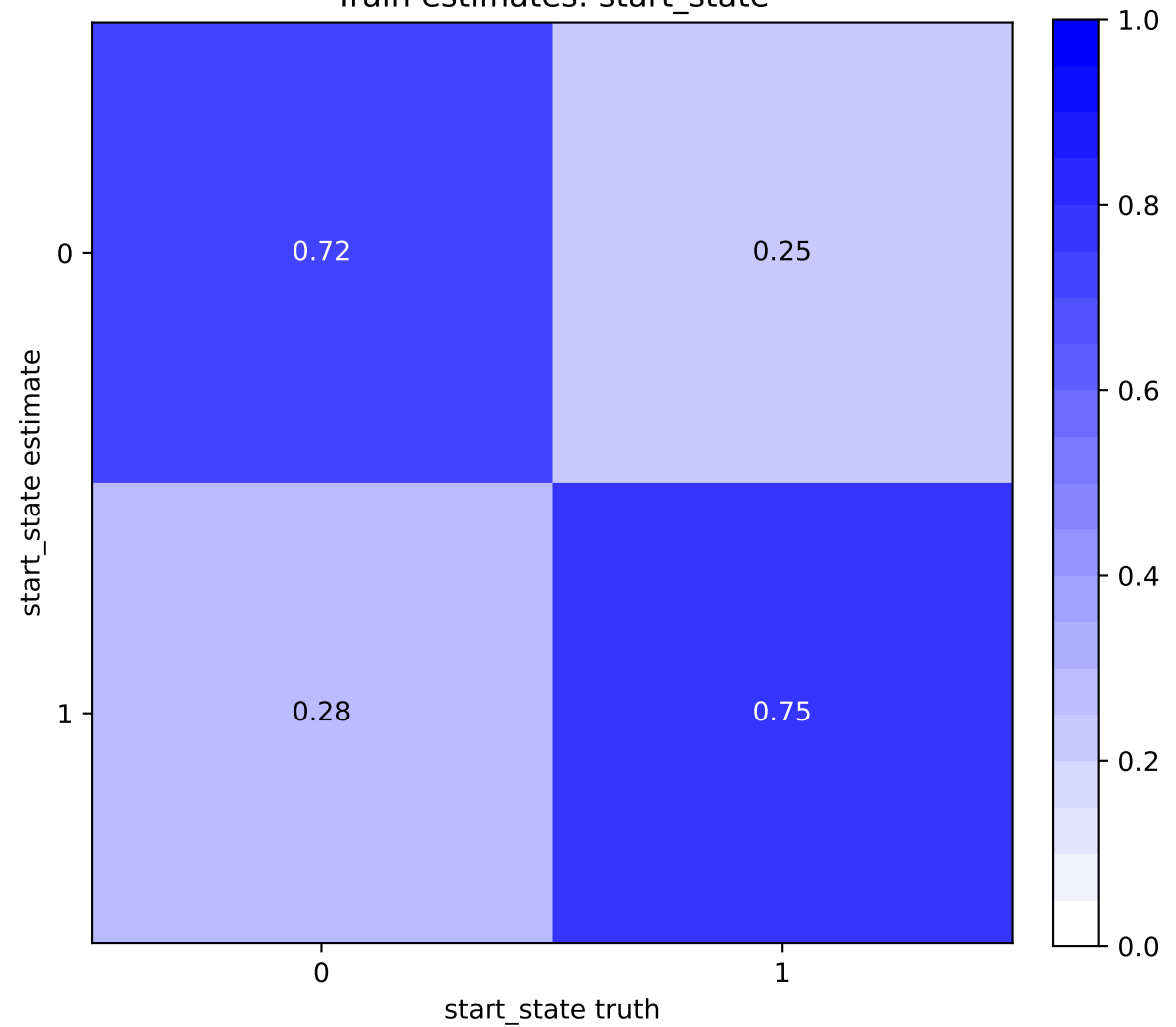
0.4

0.2

0.0



Train estimates: start_state



Test estimates: log_birth_1

MAE: 1.39E-01
MAPE: -141.4%
MSE: 6.70E-02
RMSE: 2.59E-01
Intercept: -9.49E-03
Slope: 1.07E+00
Coverage: 83.9%
Coverage target: 80.0%

log_birth_1 estimate

0.0

-0.5

-1.0

-1.5

-2.0

-2.0

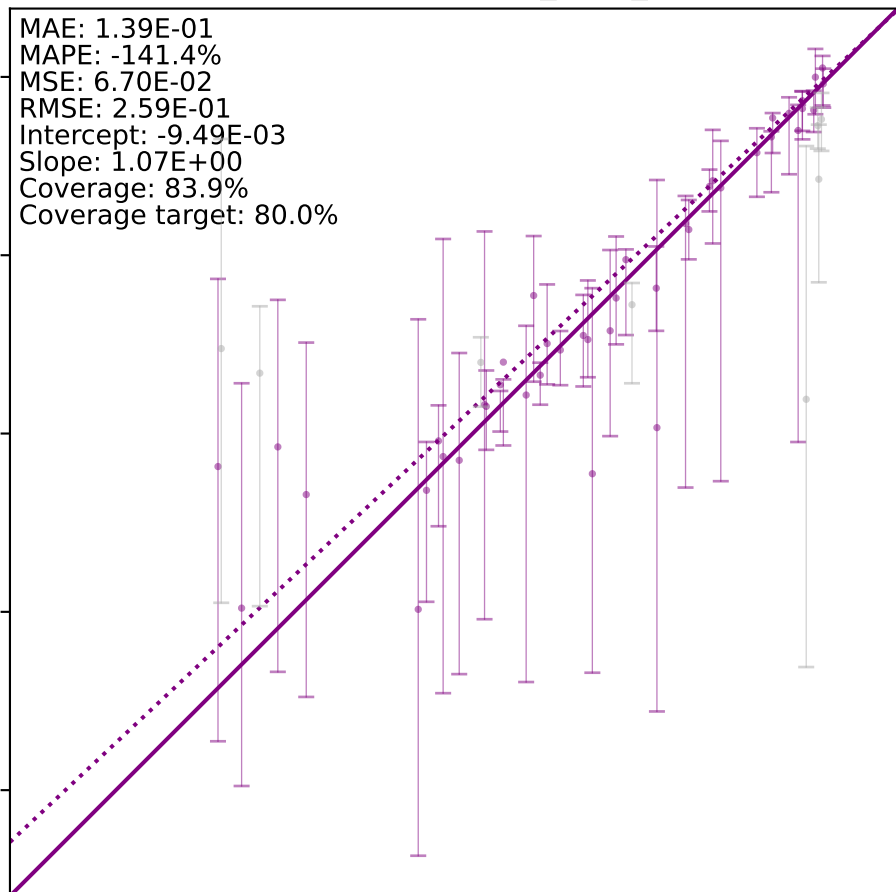
log_birth_1 truth

-1.5

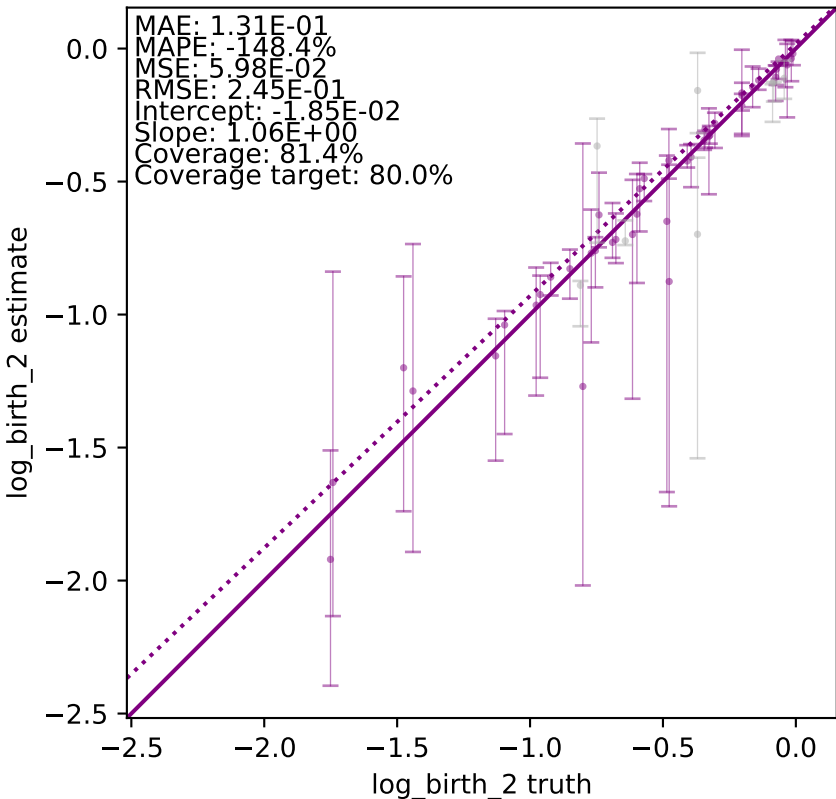
-1.0

-0.5

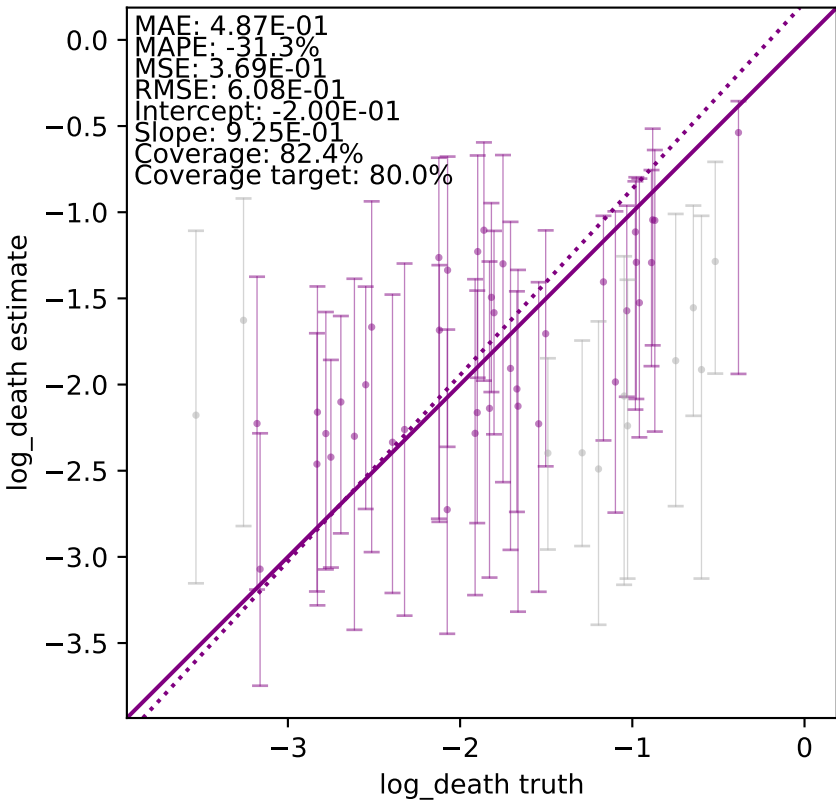
0.0



Test estimates: log_birth_2



Test estimates: log_death



Test estimates: log_state_rate

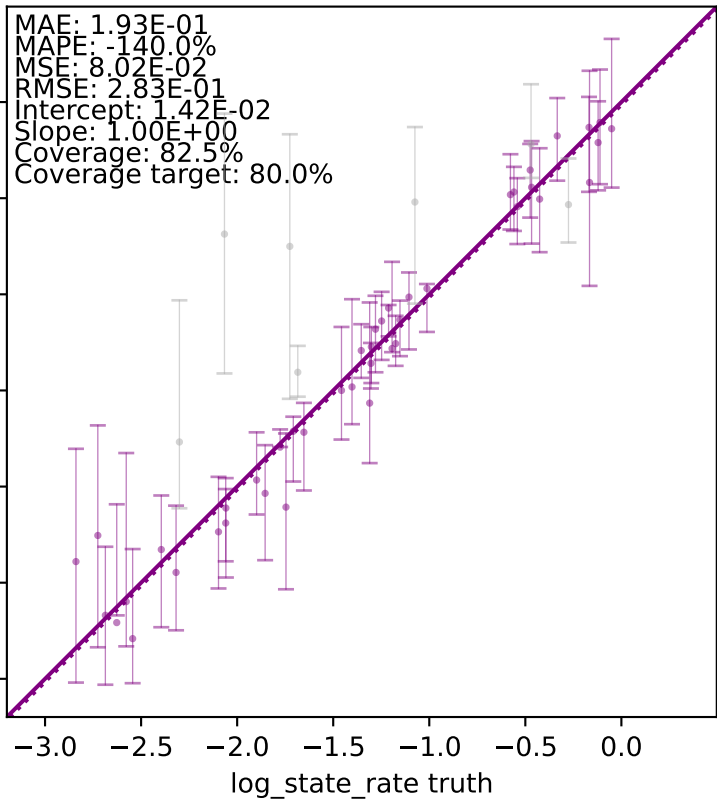
MAE: 1.93E-01
MAPE: -140.0%
MSE: 8.02E-02
RMSE: 2.83E-01
Intercept: 1.42E-02
Slope: 1.00E+00
Coverage: 82.5%
Coverage target: 80.0%

log_state_rate estimate

0.0
-0.5
-1.0
-1.5
-2.0
-2.5
-3.0

-3.0 -2.5 -2.0 -1.5 -1.0 -0.5 0.0

log_state_rate truth



Test estimates: model_type

model_type estimate

0

0.87

0.22

1

0.13

0.78

0

model_type truth

1

1.0

0.8

0.6

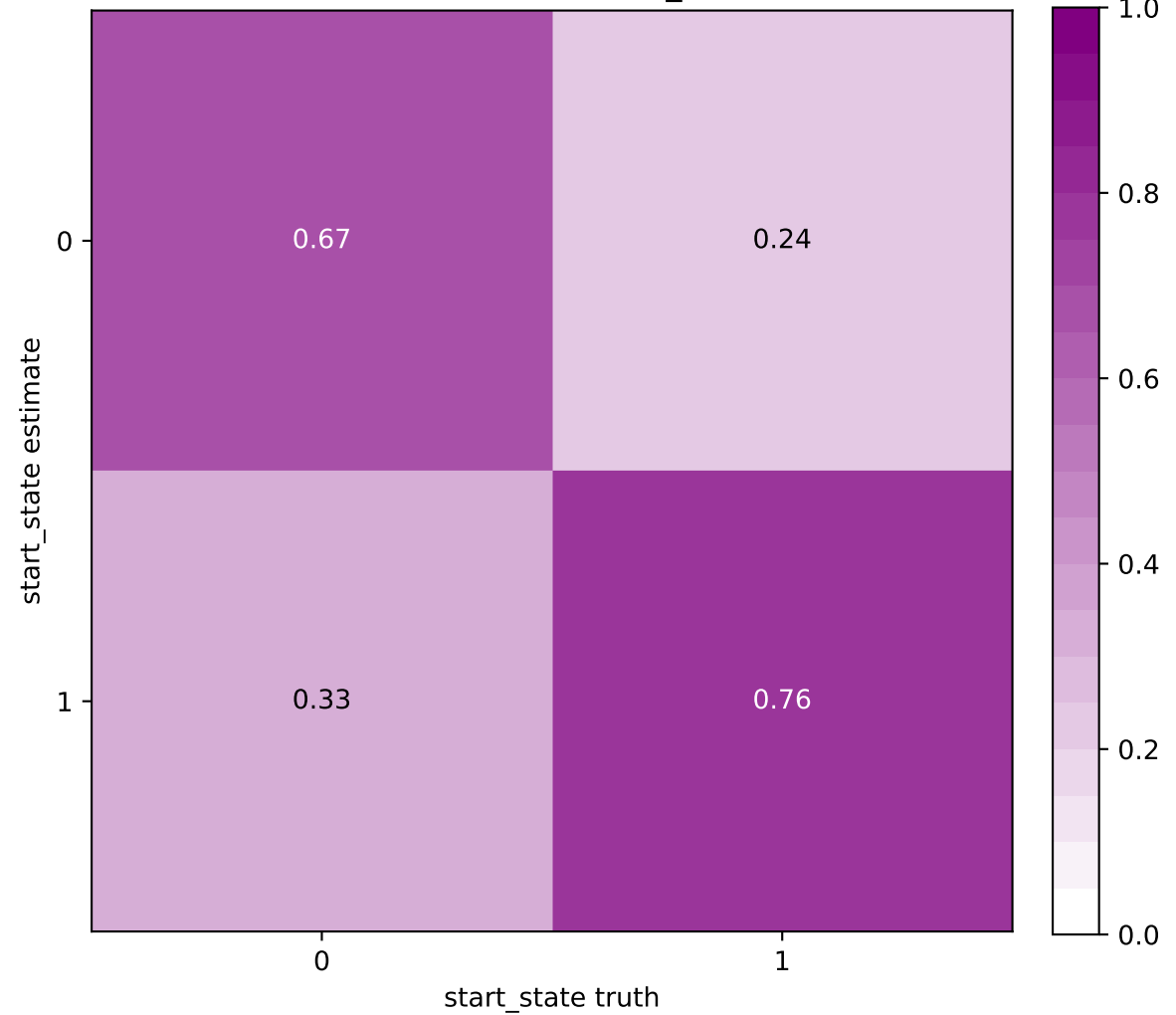
0.4

0.2

0.0



Test estimates: start_state



Training history

