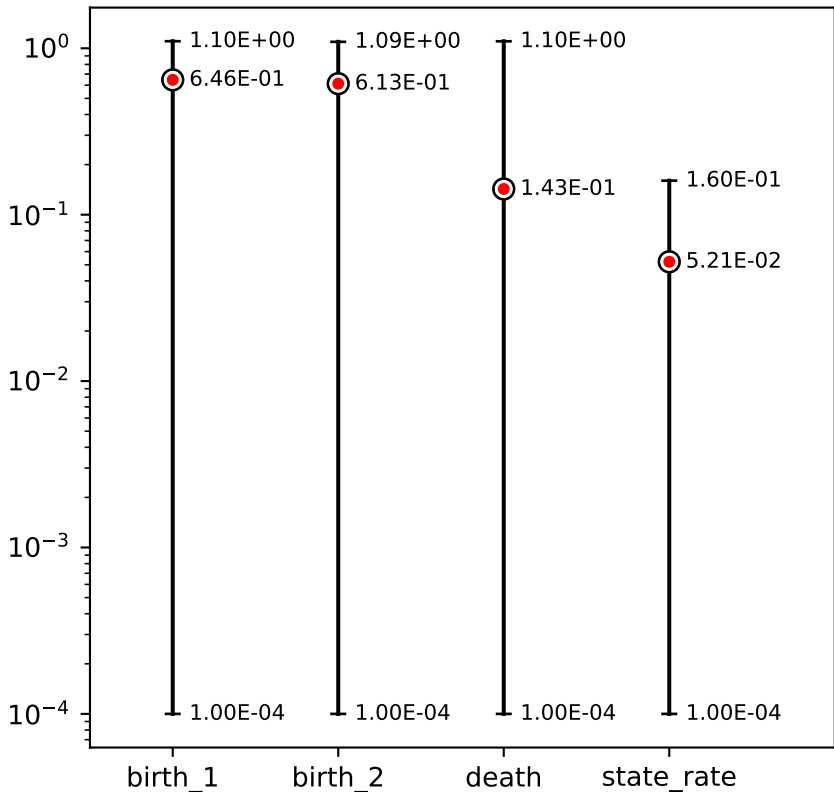
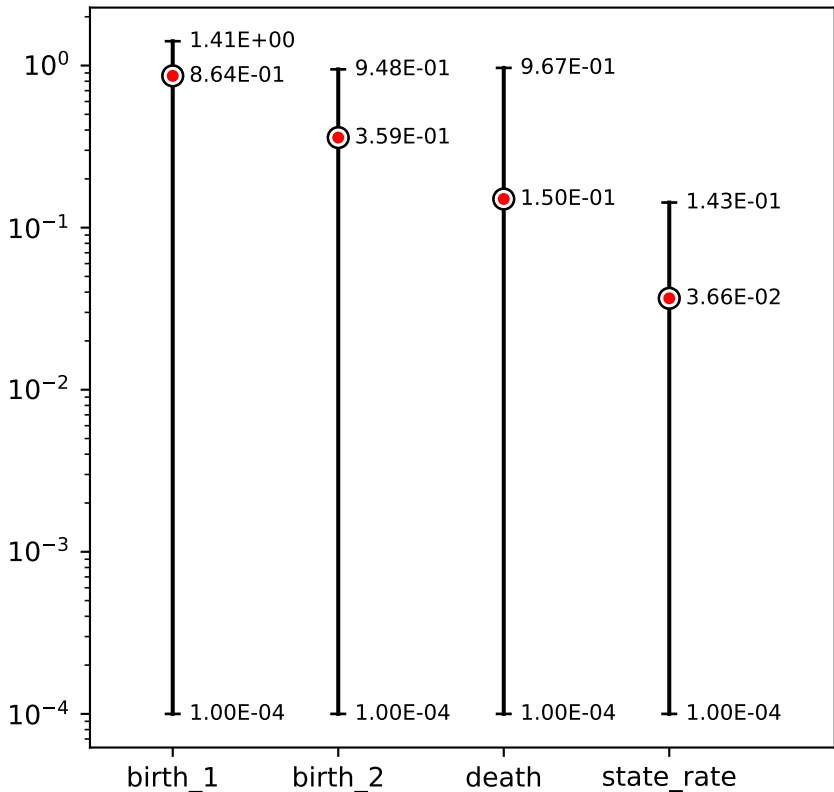


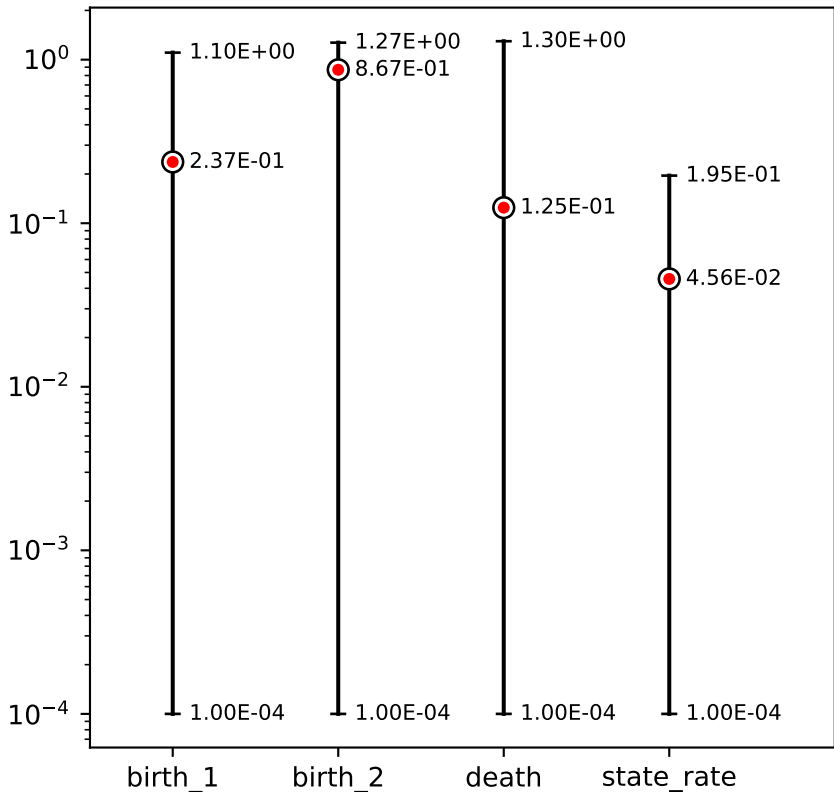
# Estimate: out.empirical.0



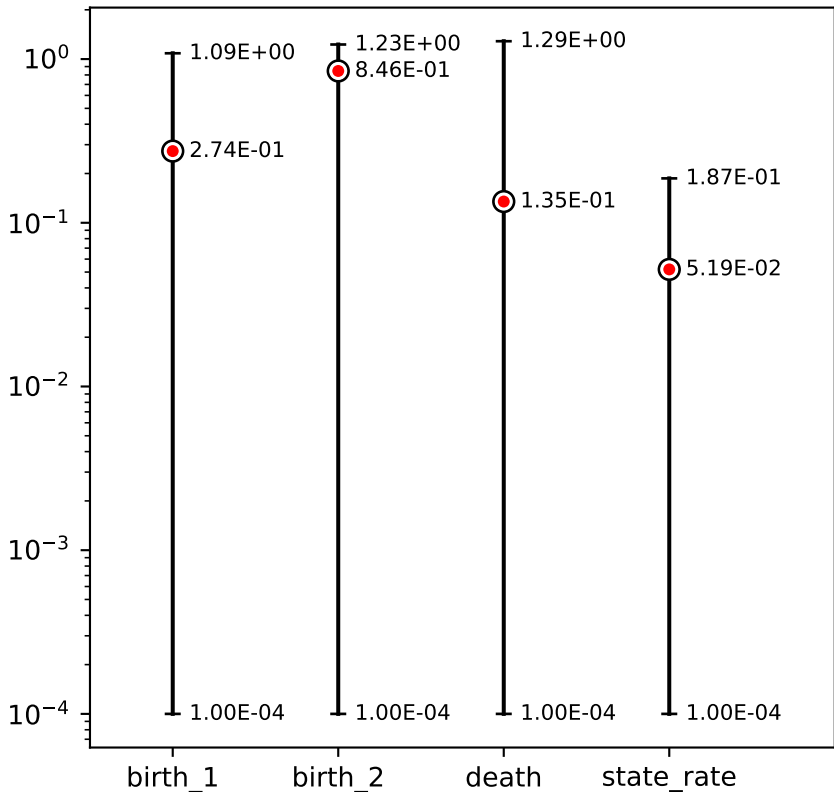
# Estimate: out.empirical.1



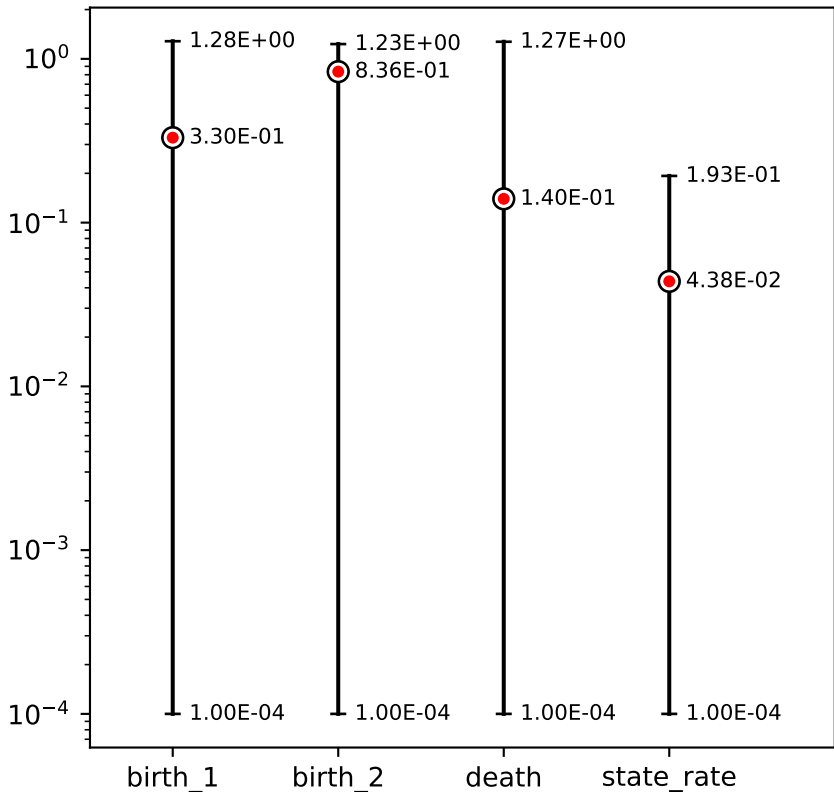
# Estimate: out.empirical.2



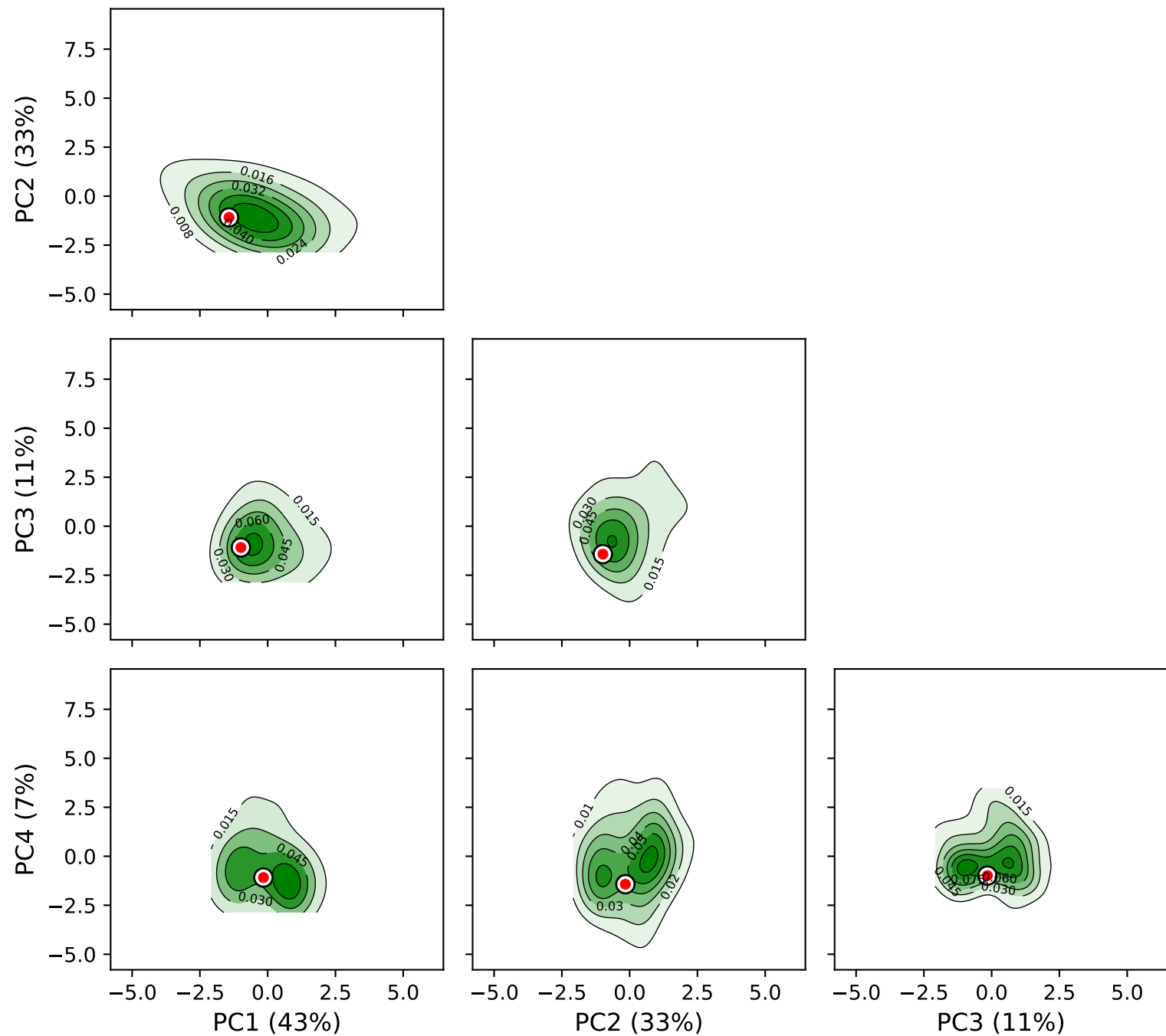
# Estimate: out.empirical.3



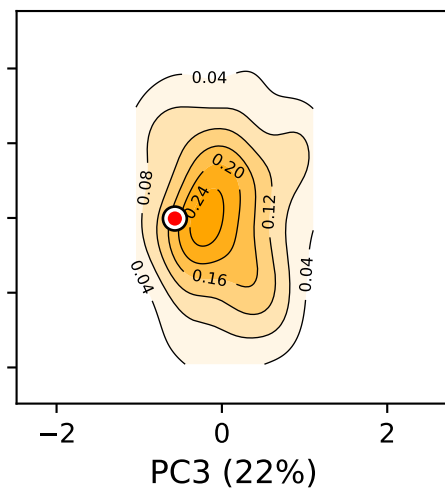
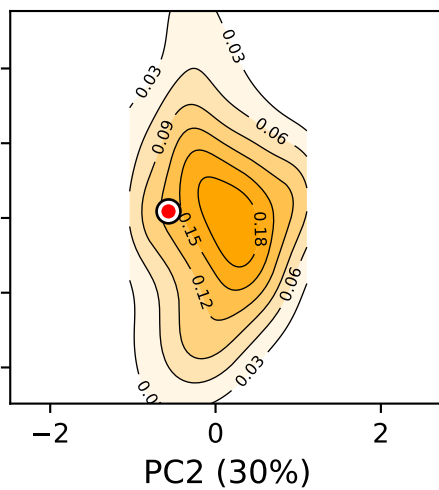
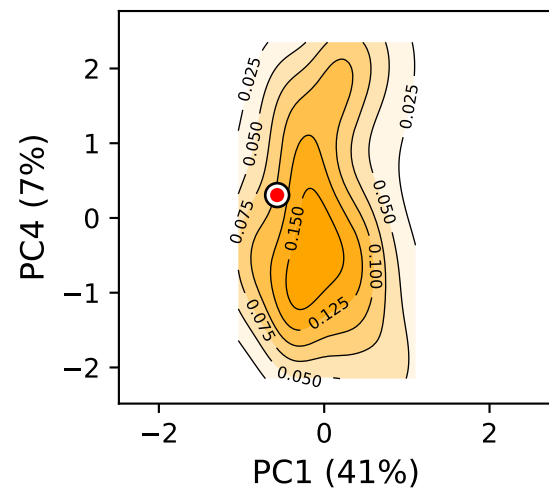
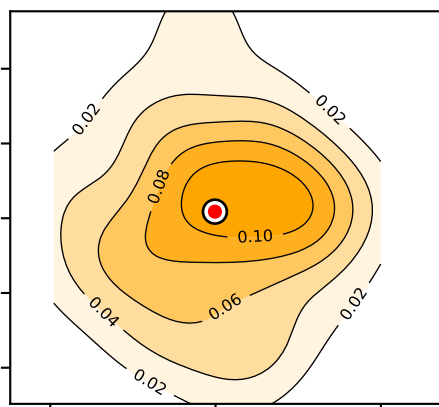
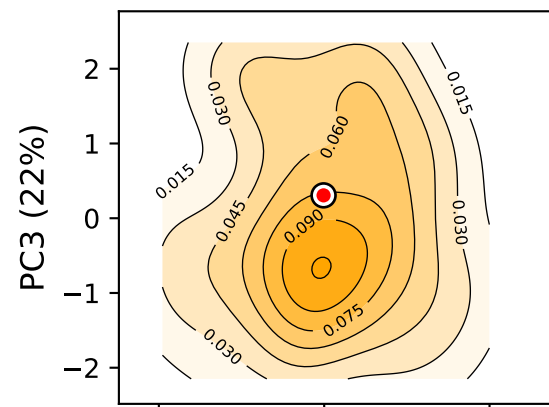
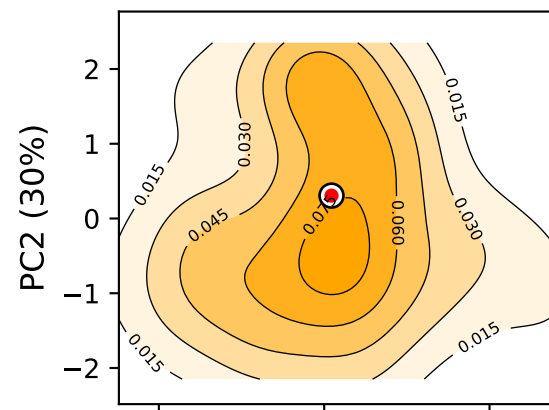
# Estimate: out.empirical.4



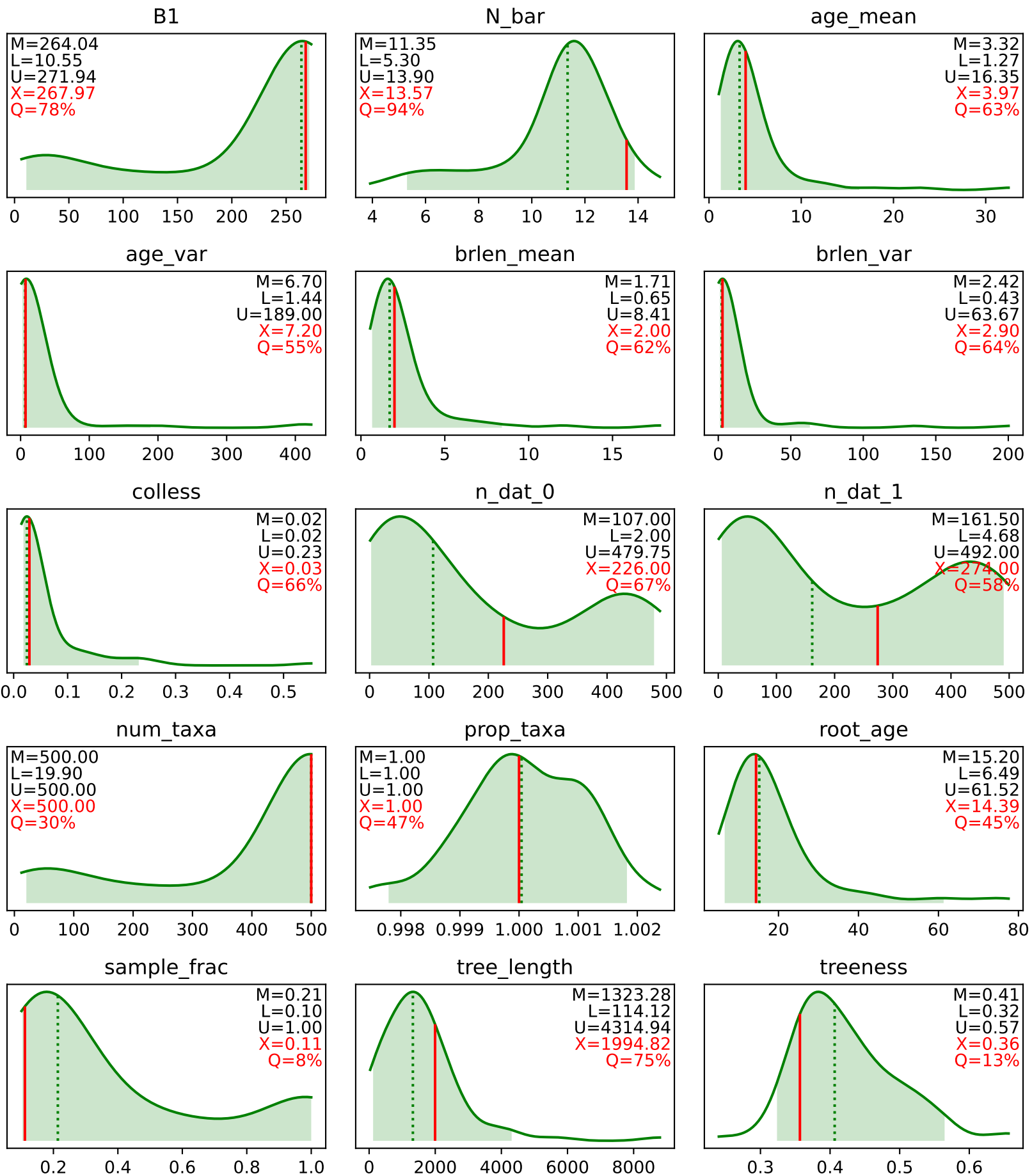
# PCA: training aux. data



# PCA: training labels



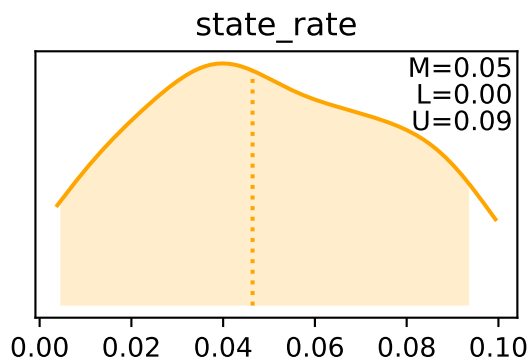
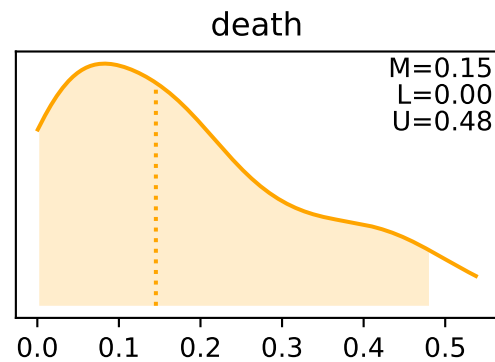
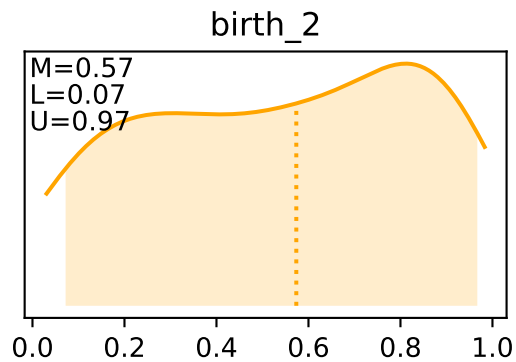
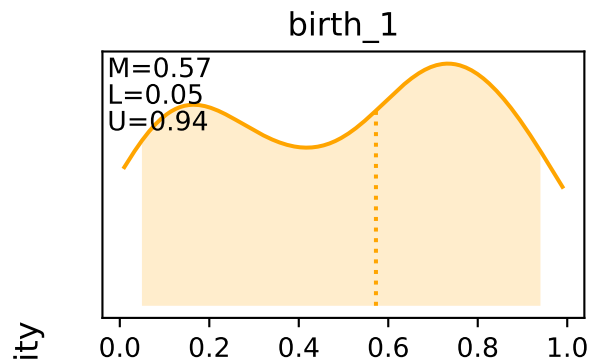
# Density: training aux. data



Data



## Density: training labels



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%  
Coverage target: 95.0%

birth\_1 estimate

1.5

1.0

0.5

0.0

-0.5

-0.5

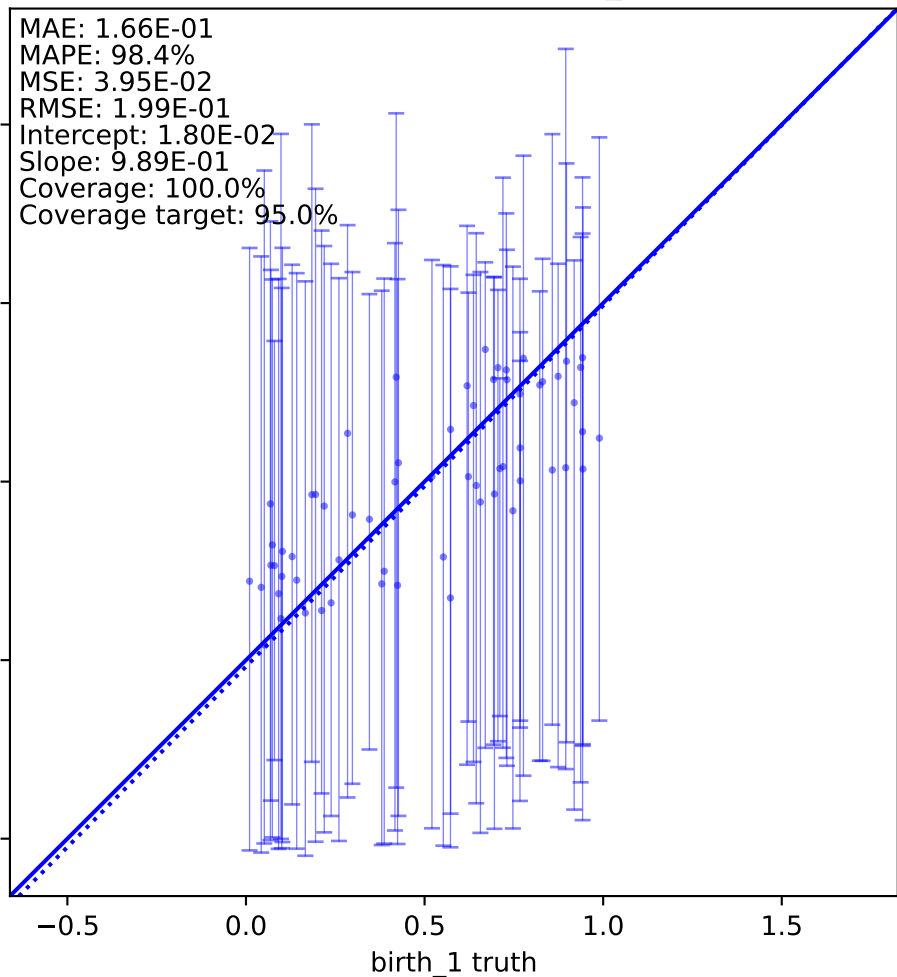
0.0

0.5

1.0

1.5

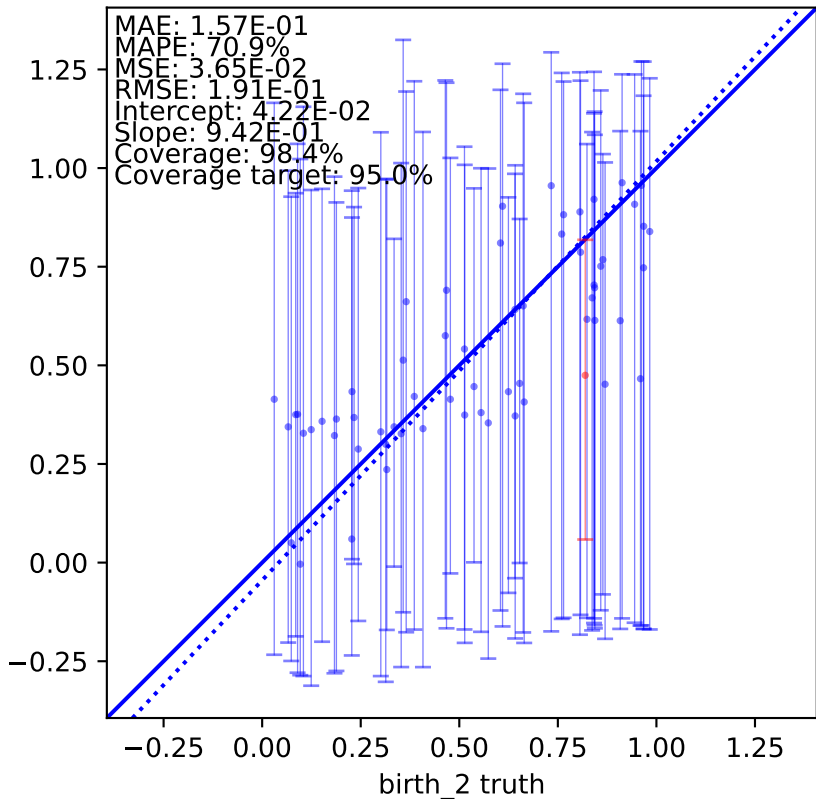
birth\_1 truth



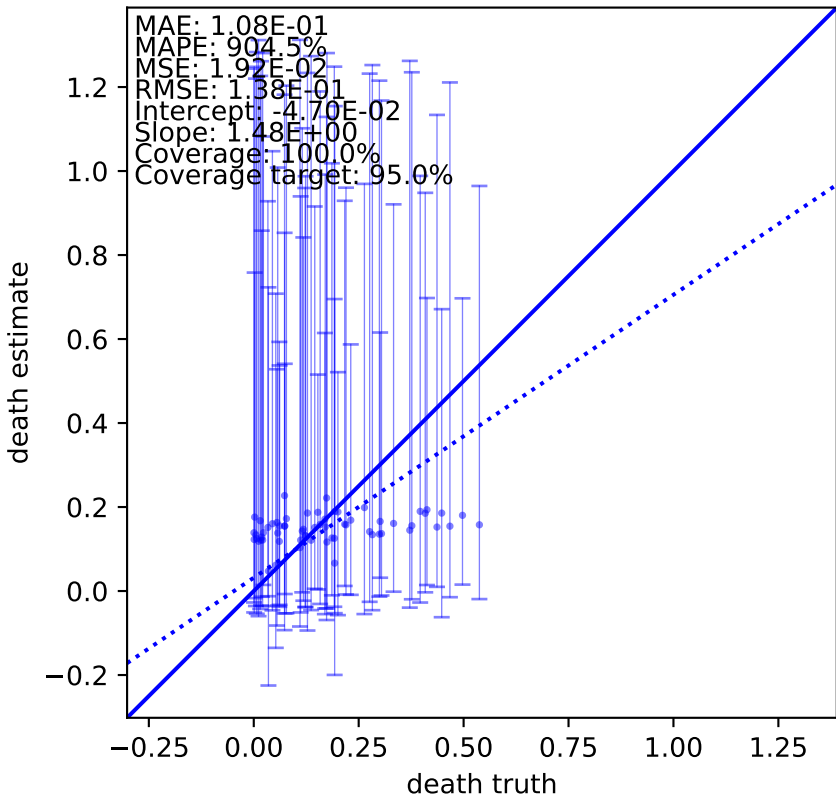
# Train estimates: birth\_2

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%  
Coverage target: 95.0%

birth\_2 estimate



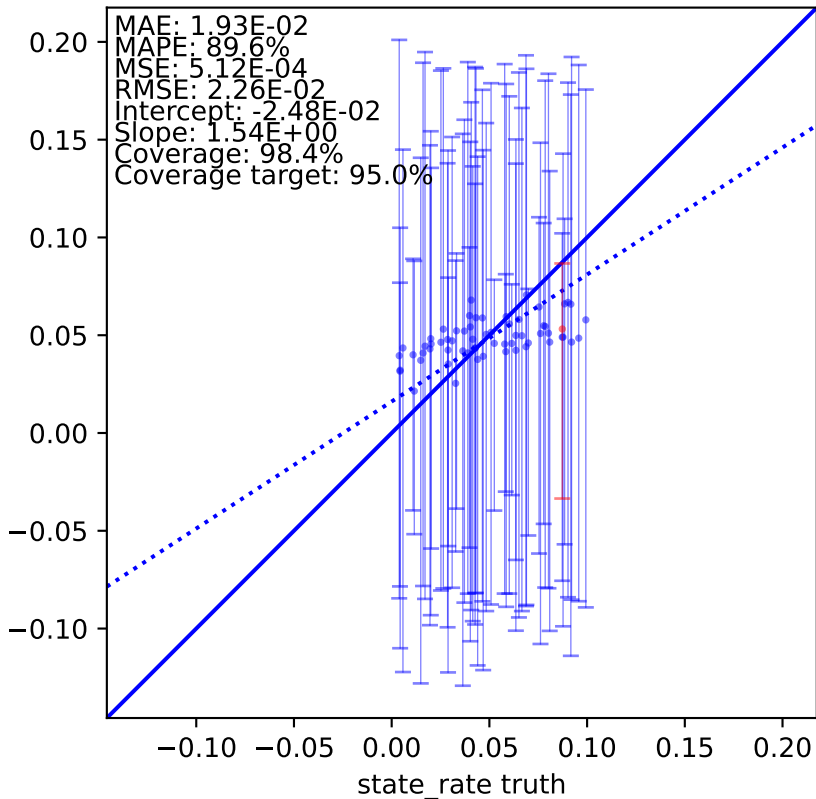
# Train estimates: death



# Train estimates: state\_rate

MAE: 1.93E-02  
MAPE: 89.6%  
MSE: 5.12E-04  
RMSE: 2.26E-02  
Intercept: -2.48E-02  
Slope: 1.54E+00  
Coverage: 98.4%  
Coverage target: 95.0%

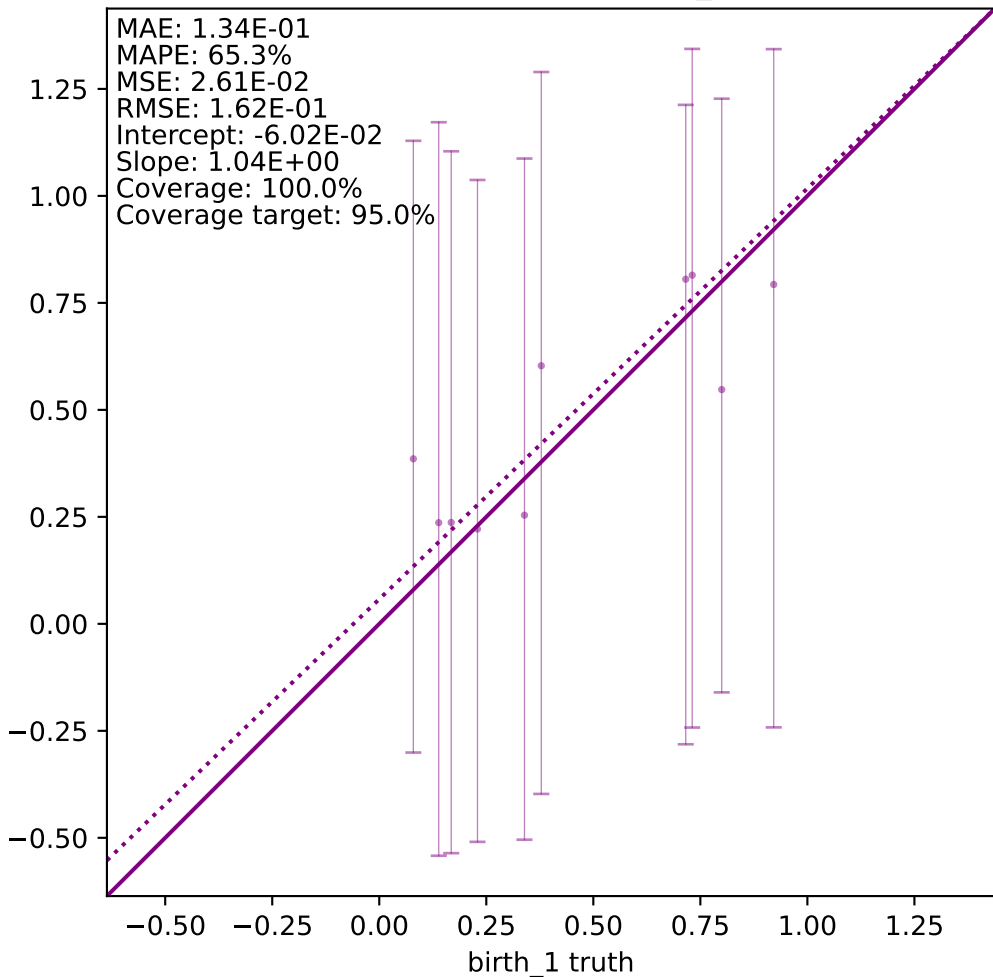
state\_rate estimate



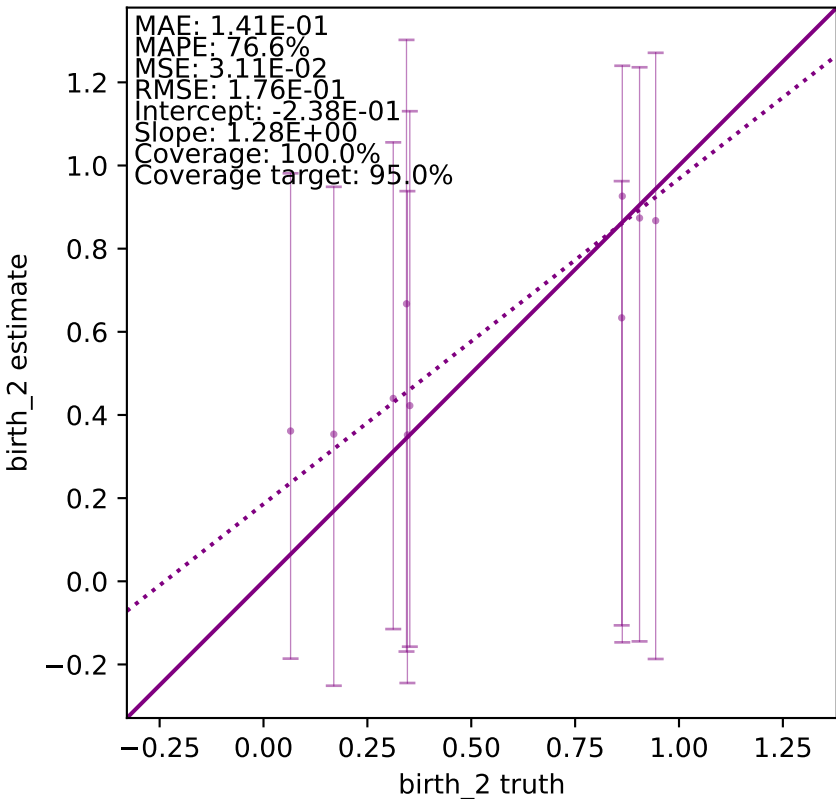
# Test estimates: birth\_1

MAE: 1.34E-01  
MAPE: 65.3%  
MSE: 2.61E-02  
RMSE: 1.62E-01  
Intercept: -6.02E-02  
Slope: 1.04E+00  
Coverage: 100.0%  
Coverage target: 95.0%

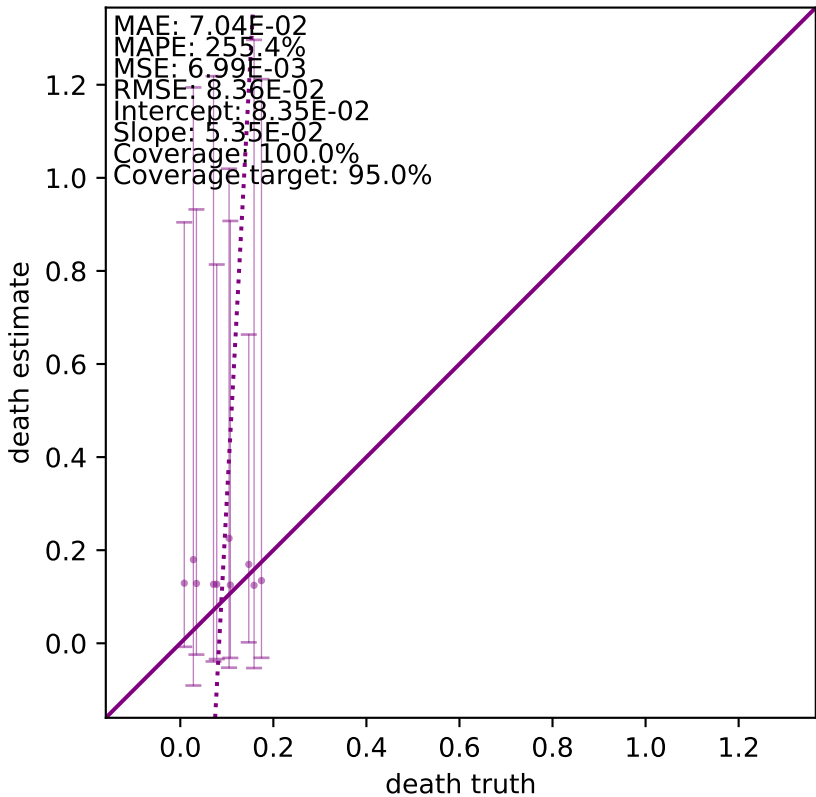
birth\_1 estimate



# Test estimates: birth\_2

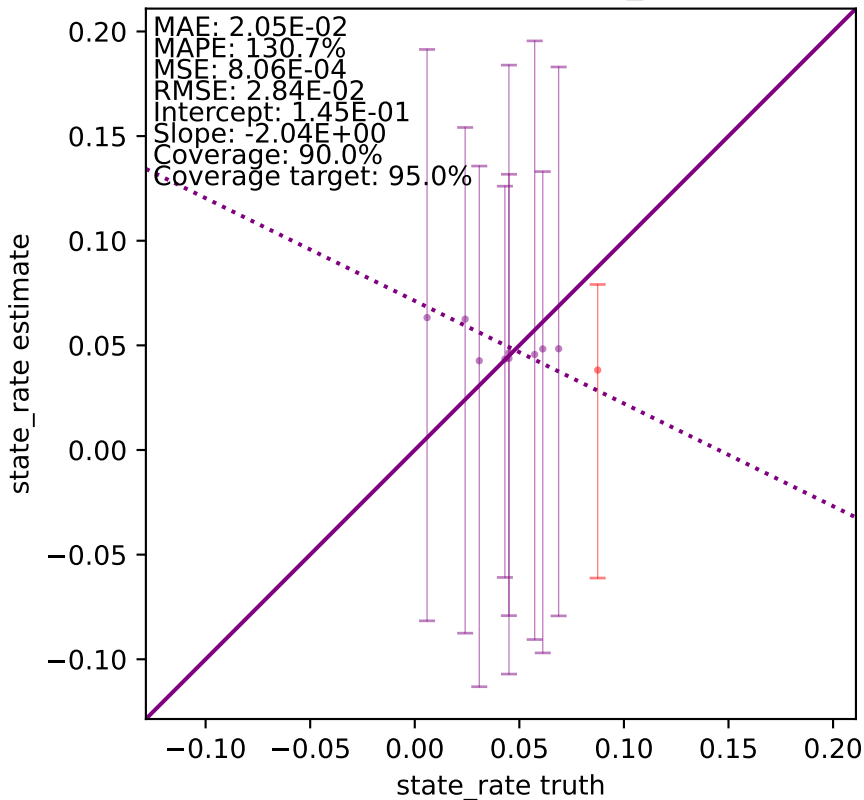


# Test estimates: death





Test estimates: state\_rate



# Training history

