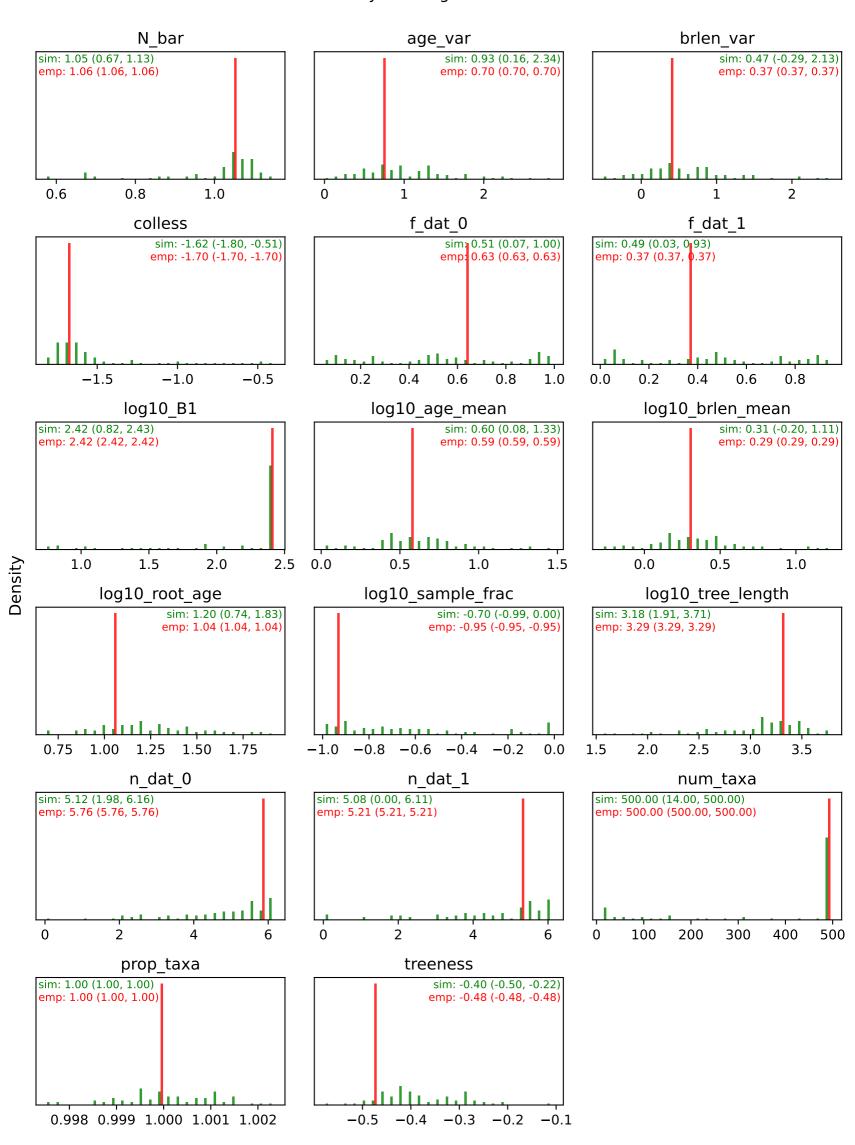
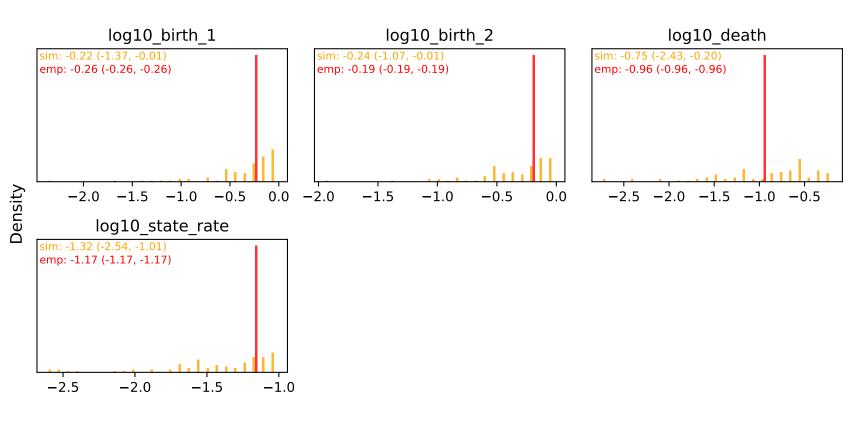


Density: training aux. data

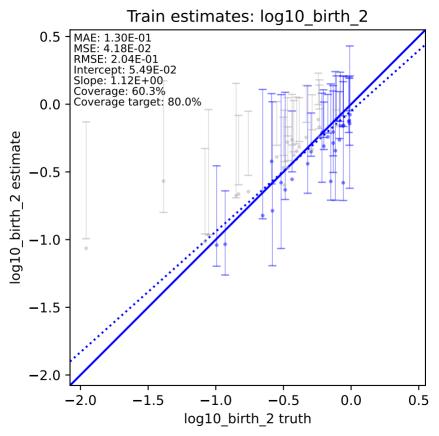


Density: training labels

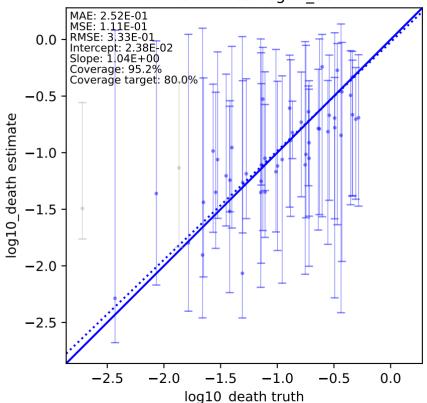


Variable

Train estimates: log10 birth 1 MAE: 1.47E-01 MSE: 4.25E-02 RMSE: 2.06E-01 Intercept: 7.88E-02 0.0 Slope: 1.19E+00 Coverage: 84.1% Coverage target: 80.0% -0.5log10\_birth\_1 estimate -1.0 -1.5 -2.0-2.0-1.5-1.0-0.50.0 -2.5log10\_birth\_1 truth

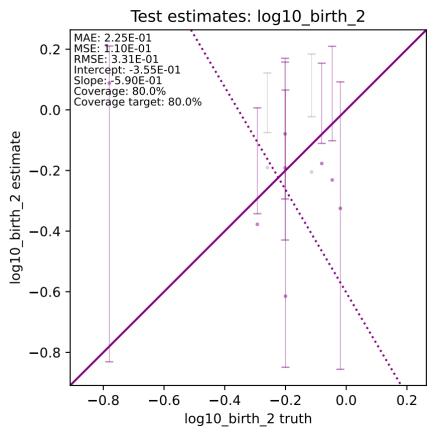


Train estimates: log10\_death



Train estimates: log10 state rate MAE: 1.86E-01 MSE: 6.15E-02 RMSE: 2.48E-01 -1.00 - Intercept: 2.33E-01 Slope: 1.16E+00 Coverage: 65.1% Coverage target: 80.0% -1.25og10\_state\_rate estimate 1.50 1.75 -2.00 2.25 -2.50-2.75-2.5-2.0-1.5-1.0log10 state rate truth

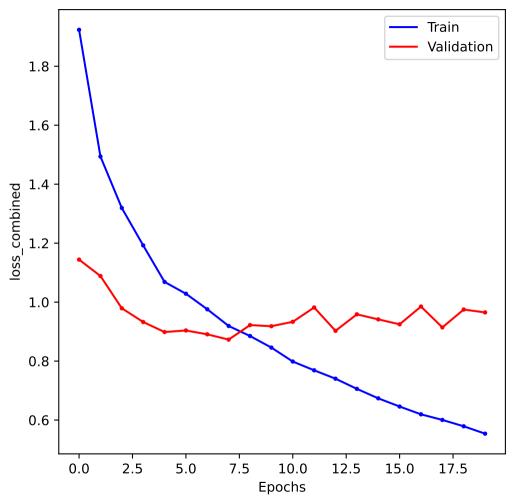
Test estimates: log10 birth 1 MAE: 2.91E-01 0.50 MSE: 1.43E-01 RMSE: 3.78E-01 Intercept: -3.09E-01 Slope: -2.12E-01 0.25 Coverage: 100.0% Coverage target: 80.0% 0.00 log10\_birth\_1 estimate -0.25 -0.50-0.75 -1.00-1.25-1.50-1.50 -1.25 -1.00 -0.75 -0.50 -0.25 0.00 0.25 0.50 log10\_birth\_1 truth

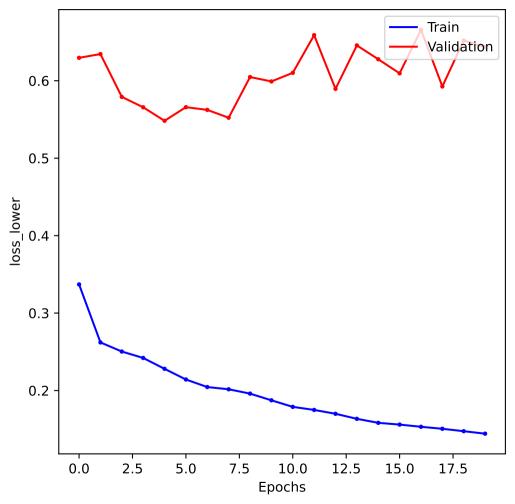


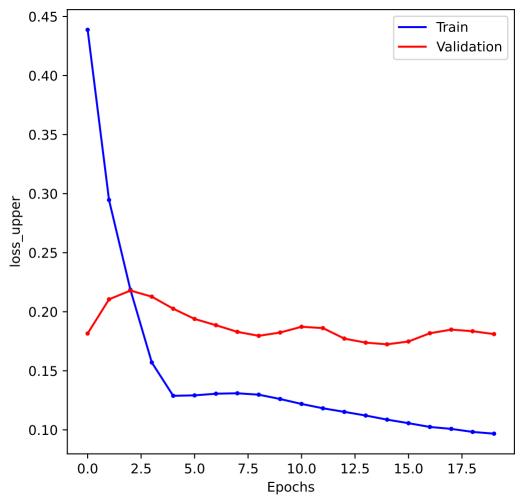
Test estimates: log10 death MAE: 5.12E-01 MSE: 4.06E-01 MSE: 4.06E-01 RMSE: 6.37E-01 Intercept: -1.08E+00 Slope: -4.15E-01 Coverage: 100.0% Coverage target: 80.0% log10\_death estimate -1.0 -2.0-2.0-1.5-1.0-0.50.0

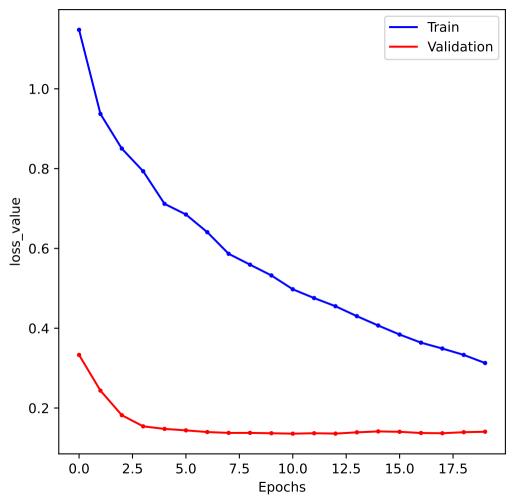
log10 death truth

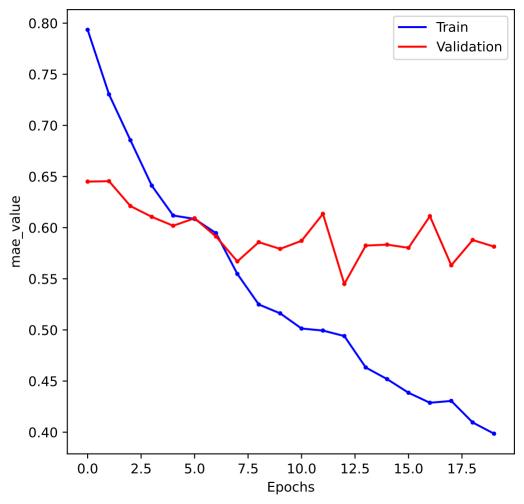
Test estimates: log10 state rate MAE: 2.58E-01 MSE: 9.22E-02 -1.00 +RMSE: 3.04E-01 Intercept: -6.69E-01 Slope: 5.29E-01 Coverage: 70.0% Coverage target: 80.0% -1.25log10\_state\_rate estimate 1.50 1.75 -2.00 -2.25-2.50-2.50 -2.25 -2.00 -1.75 -1.50 -1.25 -1.00 log10 state rate truth

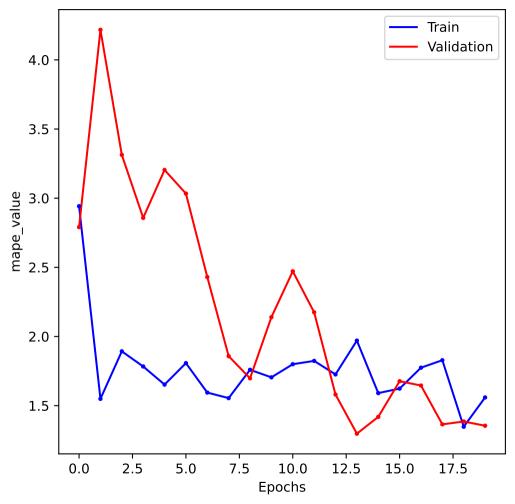


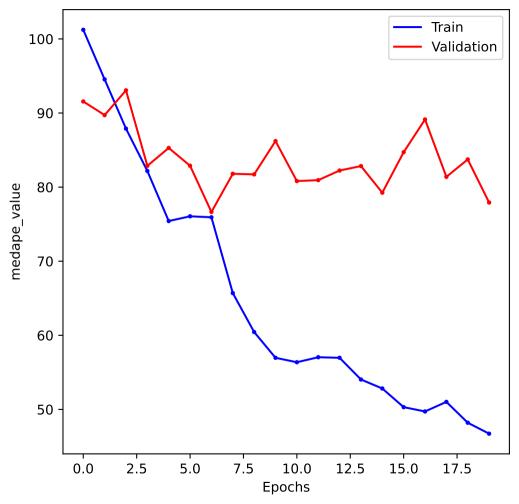


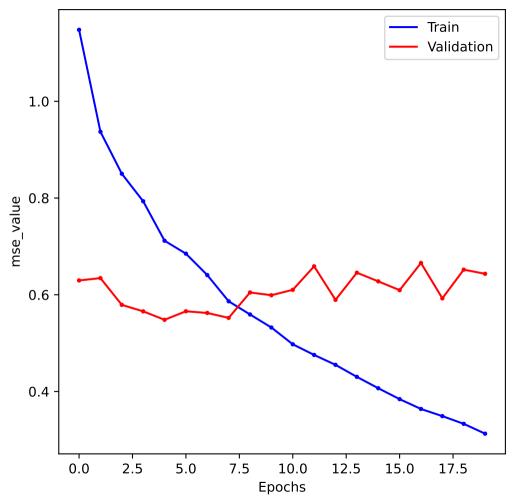












	input-tensor depth:0 (10, 4, 500)		input-tensor depth:0 (10, 17)
Conv1d input: (10, 4, 500)	Conv1d input: (10, 4, 500	) Conv1d input: (10, 4, 500)	Linear input: (10, 17)
Conv1d depth:1 input: (10, 4, 500) output: (10, 64, 500)	Conv1d input: (10, 4, 500 depth:1 output: (10, 64, 16		Linear depth:1 output: (10, 17)
rels input: (10, 64, 500)	relu input: (10, 64, 16	5) relu input: (10, 32, 500)	rolu input: (10, 128)
relu depth:1 input: (10, 64, 500) output: (10, 64, 500)	relu input: (10, 64, 16 depth:1 output: (10, 64, 16	death d	relu input: (10, 128) depth:1 output: (10, 128)
Constd input: (10, 64, 500)	Comuld input: (10, 64, 16	5) Comuld input: (10, 32, 500)	
Conv1d depth:1 input: (10, 64, 500) output: (10, 96, 500)	Comv1d input: (10, 64, 16 depth:1 output: (10, 96, 27	CONVIO	Linear depth:1 output: (10, 128)
reltu input: (10, 96, 500)	relu input: (10, 96, 2	7) relu input: (10, 64, 500)	retu input: (10, 64)
relu depth:1 output: (10, 96, 500)	relu depth:1 output: (10, 96, 2)		relu input: (10, 64) depth:1 output: (10, 64)
Conv1d input: (10, 96, 500)			Linear input: (10, 64)
depth:1 output: (10, 128, 500)	\		depth:1 output: (10, 32)
relu input: (10, 128, 500)		AdantiveAvePool1d input: (10, 64	, 500) relu input: (10, 32)
depth:1 output: (10, 128, 500)		AdaptiveAvgPool1d depth:1 output: (10, 64	reiu
AdaptiveAvgPool1d input: (10, 128, 500)	AdaptiveAvoPool1d inp	ut: (10, 96, 27)	unsqueeze input: (10, 32)
depth:1 output: (10, 128, 1)	depth:1 outs	nut: (10, 96, 1)	depth:1 output: (10, 32, 1)
cat input: (10, 128, 1), (10, 96, 1), (10, 64, 1), (10, 32, 1)			
depth::1 output: (10, 320, 1)			
	squee	ize input: (10, 320, 1)	
	depth	:1 output: (10, 320)	
Linear depth:	input: (10, 320) Lin		input: (10, 320)
Сери	output: (10, 128)	output: (10, 128)   Oeptn:1	output: (10, 128)
relu depth:	input: (10, 128)		Input: (10, 128)
	output: (10, 128)	In:1 output: (10, 128) deptn:1	output: (10, 128)
Lineau depth:	input: (10, 128) Lin dep	ear input: (10, 128) Linear depth:1 output: (10, 64)	input: (10, 128) output: (10, 64)
	(10, 04)	(10, 04)	(10, 04)
relu depth:		th:1 output: (10, 64) relu depth:1	input: (10, 64) output: (10, 64)
	<b>—</b>	<b>T</b>	<b>T</b>
Linea depth:		near input: (10, 64) Linear th:1 output: (10, 32)	input: (10, 64) output: (10, 32)
			<b>—</b>
relu depth:		hth:1 output: (10, 32) relu depth:1	input: (10, 32) output: (10, 32)
			<b>+</b>
Linea depth:		th:1 input: (10, 32) Linear depth:1 output: (10, 4)	input: (10, 32) output: (10, 4)
	<u> </u>		<b>—</b>
out	put-tensor depth:0 (10, 4)	output-tensor depth:0 (10, 4)	-tensor th:0 (10, 4)