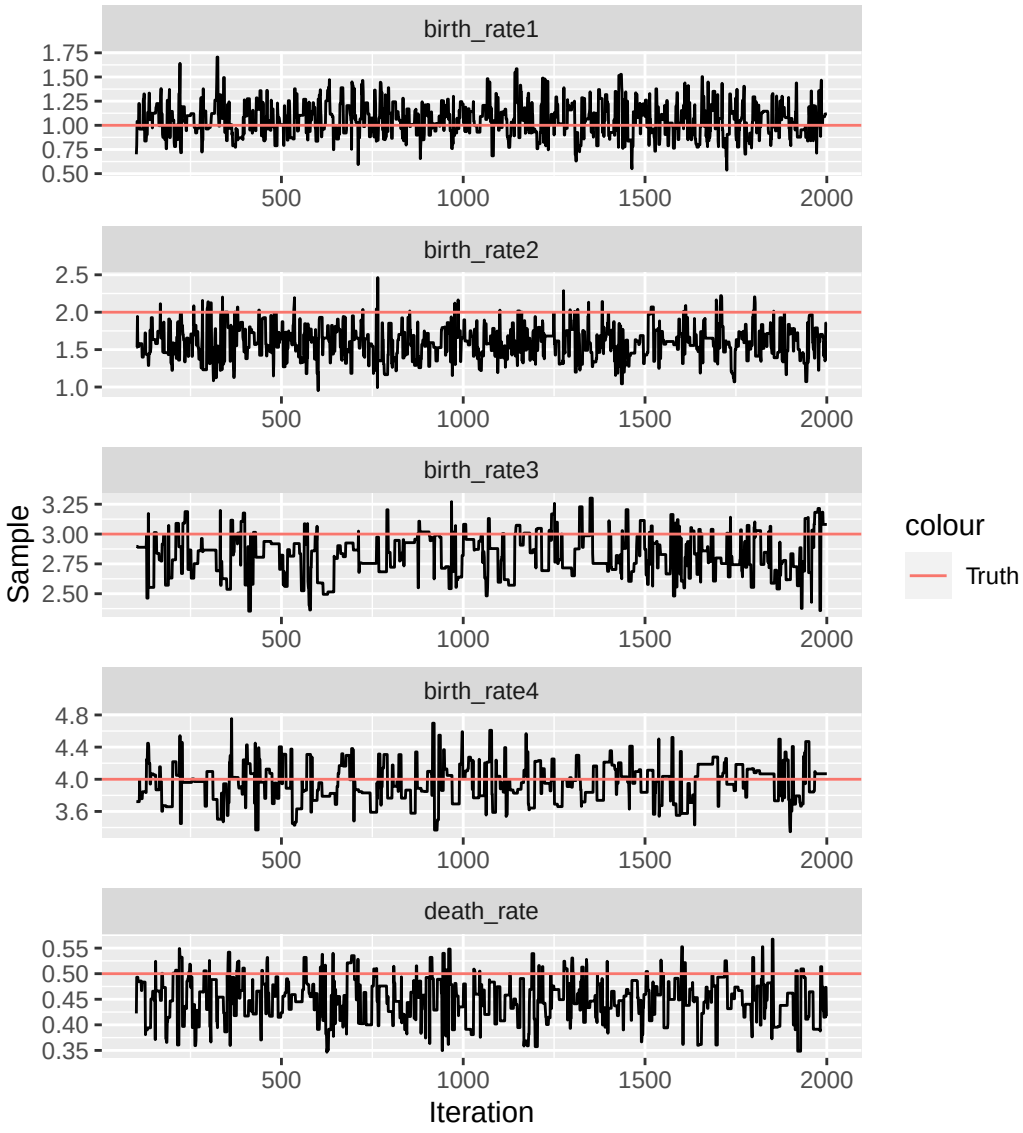
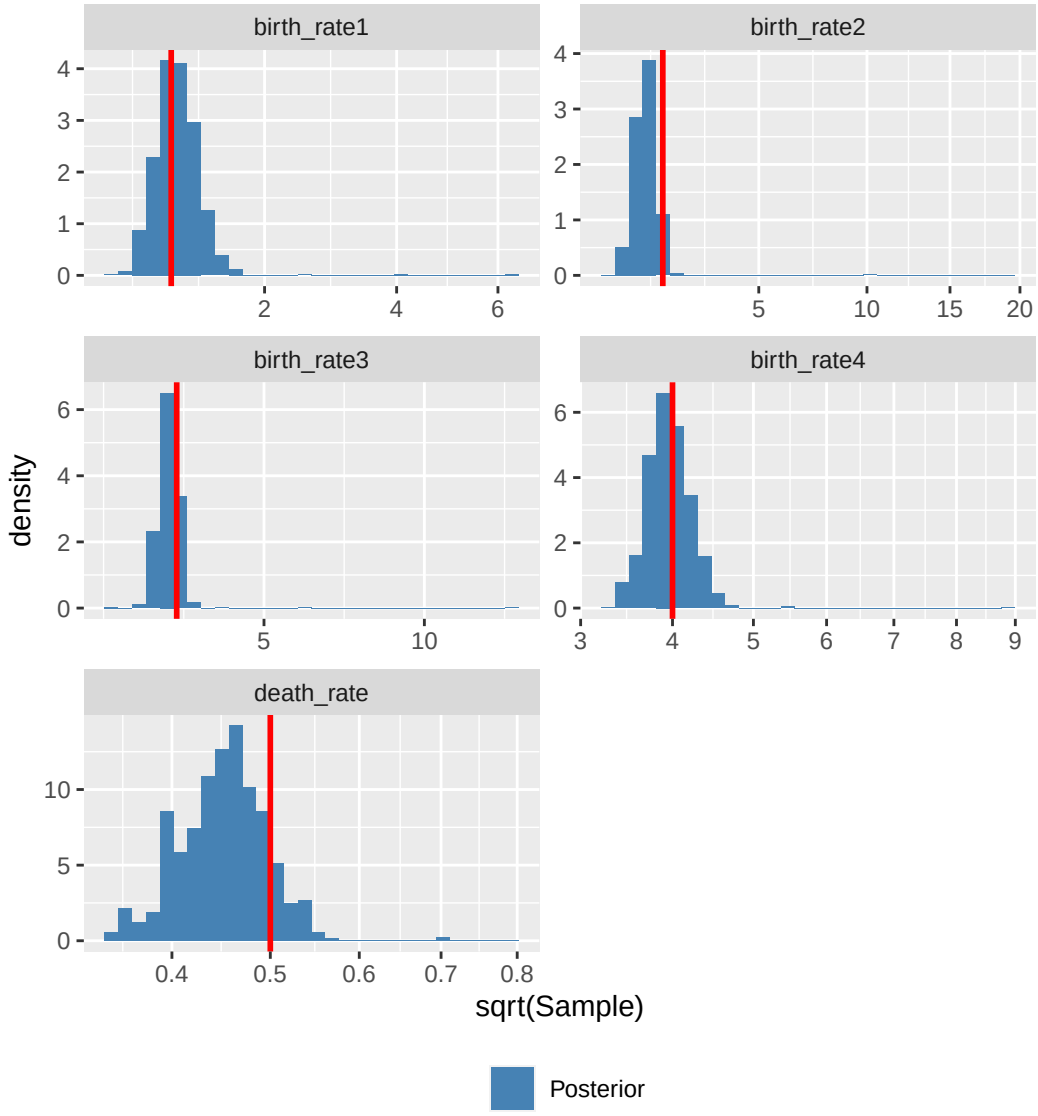
Traceplots


birth_rate1
1.75
1.50
1.25
1.00
0.75
0.50
500
1000
1500
2000
birth_rate2
2.5
2.0
1.5
1.0
500
1000
1500
2000
birth_rate3
Sample
3.25
3.00
2.75
2.50
500
1000
1500
2000
colour
Truth
birth_rate4
4.8
4.4
4.0
3.6
500
1000
1500
2000
death_rate
0.55
0.50
0.45
0.40
0.35
500
1000
1500
2000
Iteration

Densities


birth_rate1
birth_rate2
birth_rate3
birth_rate4
death_rate
density
sqrt(Sample)
Posterior

Summaries

Parameter	n	ESS	Acceptance	Q 25%	Median	Q 75%	Truth	Relative error
birth_rate1	2001	251	0.36	0.76	1.05	1.48	1.0	0.05
birth_rate2	2001	223	0.34	1.18	1.59	2.07	2.0	0.20
birth_rate3	2001	344	0.17	2.52	2.84	3.20	3.0	0.05
birth_rate4	2001	239	0.15	3.48	3.96	4.46	4.0	0.01
death_rate	2001	288	0.22	0.36	0.45	0.53	0.5	0.10