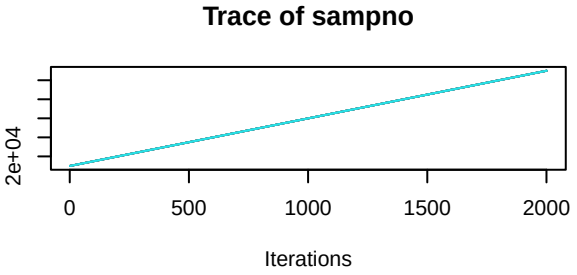
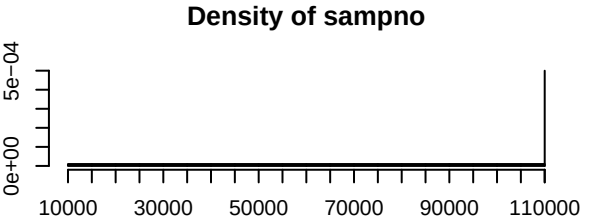
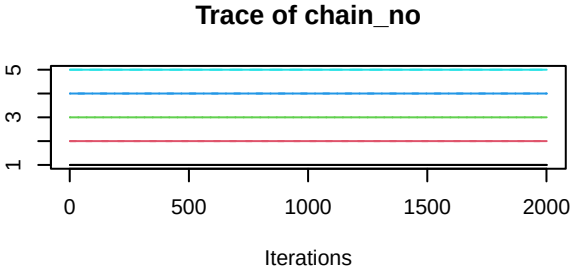
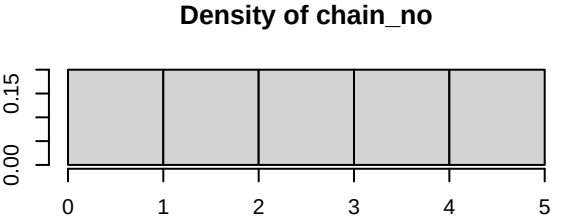
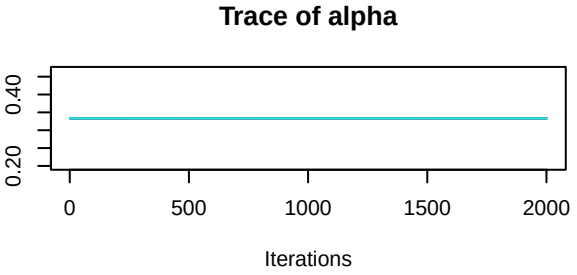
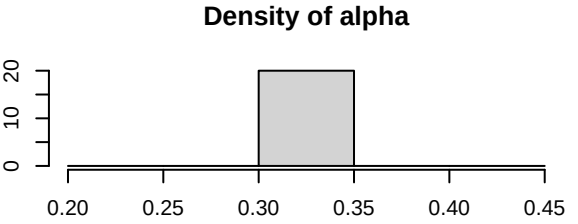

Trace of sampno
2e+04
0
500
1000
1500
2000
Iterations

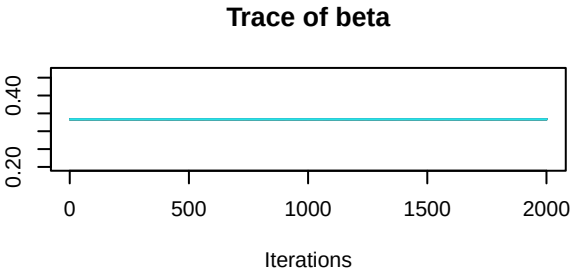

Density of sampno
0e+00
5e−04
10000
30000
50000
70000
90000
110000

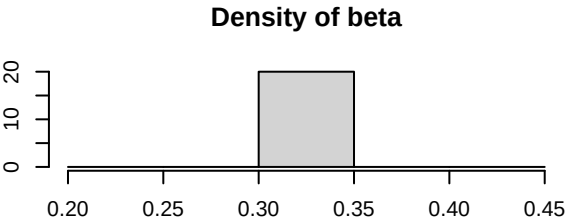

Trace of chain_no
1
3
5
0
500
1000
1500
2000
Iterations

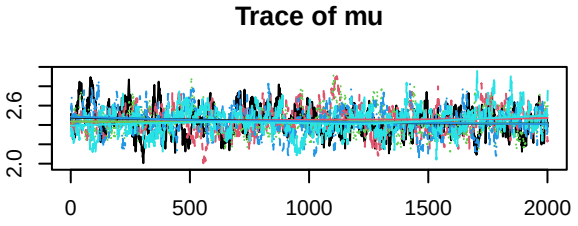

Density of chain_no
0.00
0.15
0
1
2
3
4
5

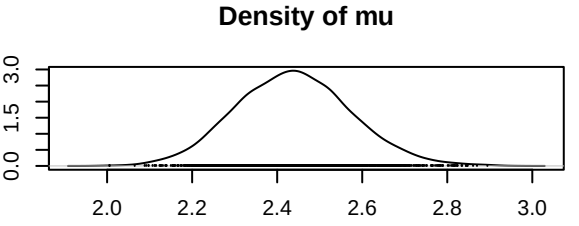

Trace of alpha
0.20
0.40
0
500
1000
1500
2000
Iterations

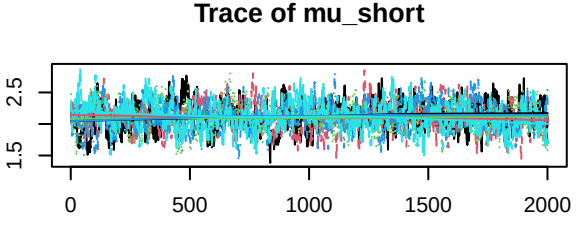

Density of alpha
0
10
20
0.20
0.25
0.30
0.35
0.40
0.45

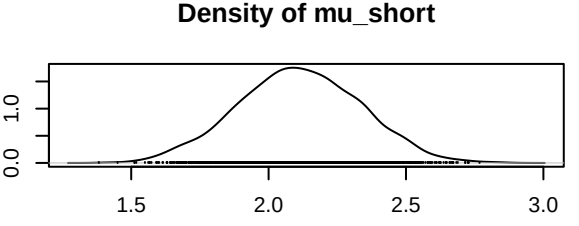

Trace of beta
0.20
0.40
0
500
1000
1500
2000
Iterations

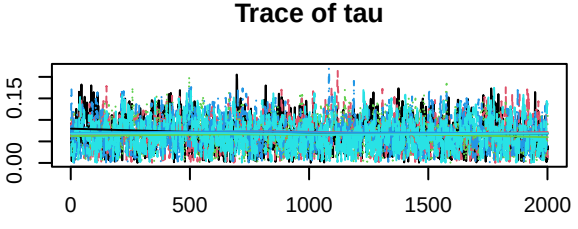

Density of beta
0
10
20
0.20
0.25
0.30
0.35
0.40
0.45

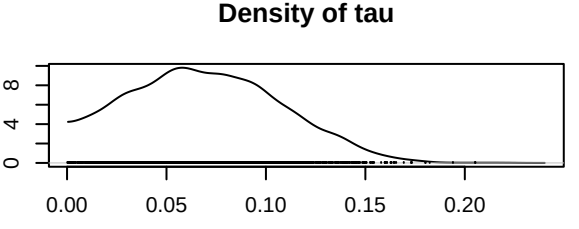

Trace of mu
2.0
2.6
0
500
1000
1500
2000
Iterations

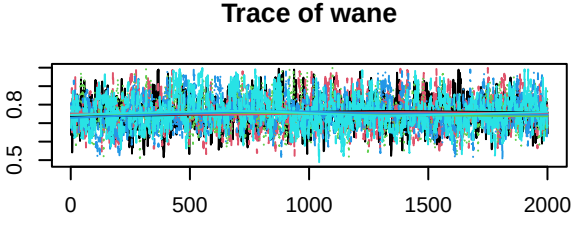

Density of mu
0.0
1.5
3.0
2.0
2.2
2.4
2.6
2.8
3.0
N = 2001 Bandwidth = 0.02282

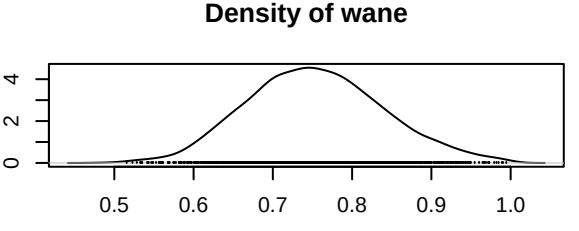

Trace of mu_short
1.5
2.5
0
500
1000
1500
2000
Iterations

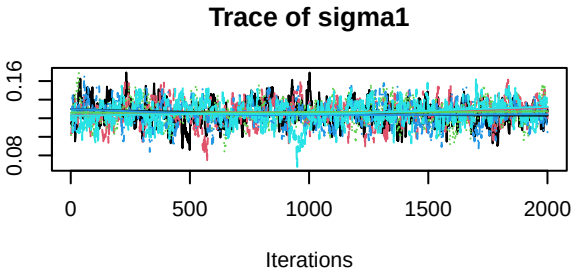

Density of mu_short
0.0
1.0
1.5
2.0
2.5
3.0
N = 2001 Bandwidth = 0.03744

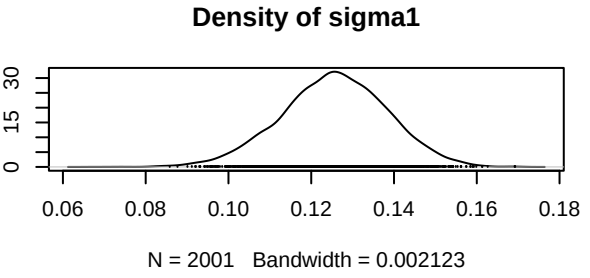

Trace of tau
0.00
0.15
0
500
1000
1500
2000
Iterations

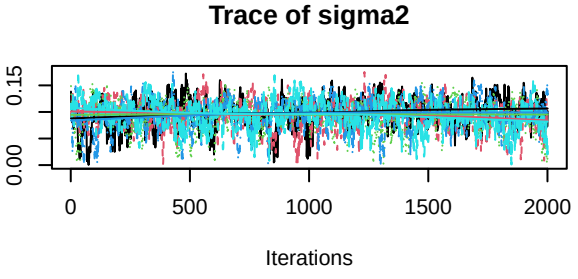

Density of tau
0
4
8
0.00
0.05
0.10
0.15
0.20
N = 2001 Bandwidth = 0.006301

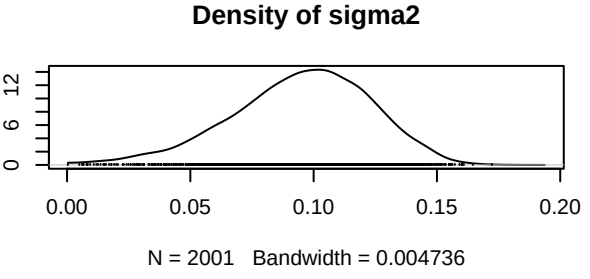

Trace of wane
0.5
0.8
0
500
1000
1500
2000
Iterations

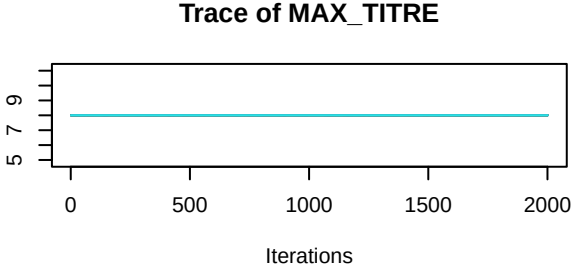

Density of wane
0
2
4
0.5
0.6
0.7
0.8
0.9
1.0
N = 2001 Bandwidth = 0.01441

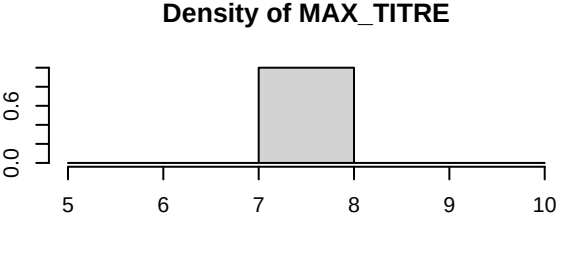

Trace of sigma1
0.08
0.16
0
500
1000
1500
2000
Iterations

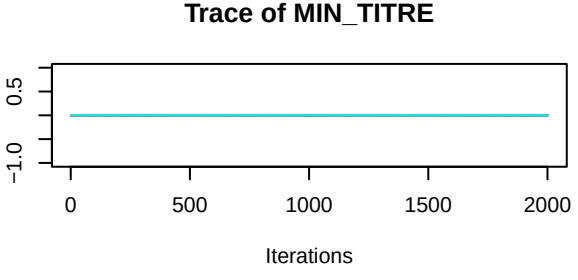

Density of sigma1
0
15
30
0.06
0.08
0.10
0.12
0.14
0.16
0.18
N = 2001 Bandwidth = 0.002123

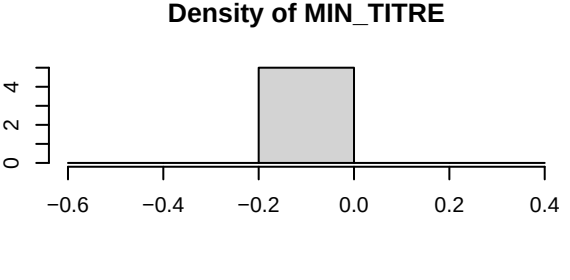

Trace of sigma2
0.00
0.15
0
500
1000
1500
2000
Iterations

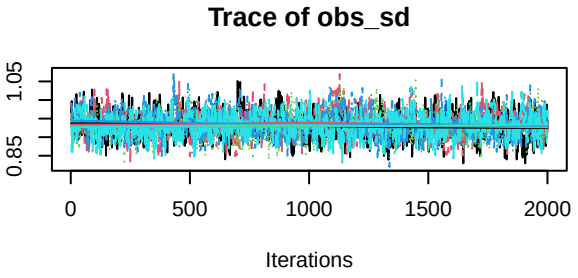

Density of sigma2
0
6
12
0.00
0.05
0.10
0.15
0.20
N = 2001 Bandwidth = 0.004736

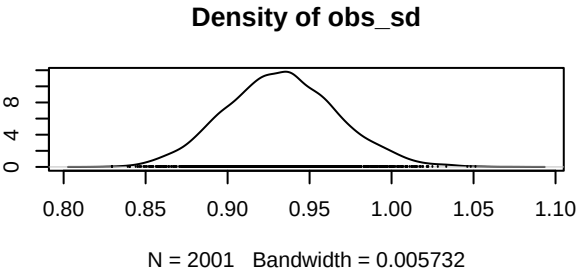

Trace of MAX_TITRE
5
7
9
0
500
1000
1500
2000
Iterations

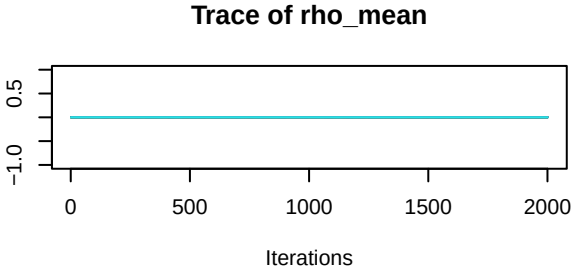

Density of MAX_TITRE
0.0
0.6
5
6
7
8
9
10

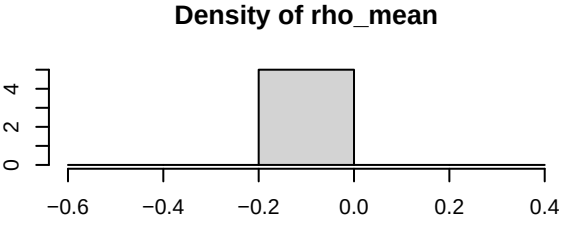

Trace of MIN_TITRE
−1.0
0.5
0
500
1000
1500
2000
Iterations

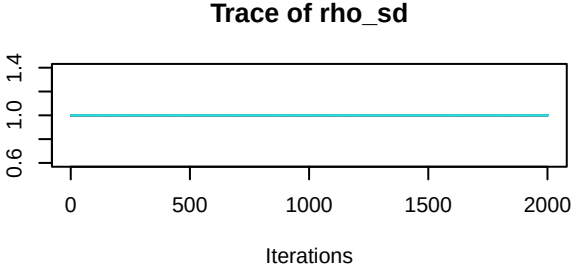

Density of MIN_TITRE
0
2
4
−0.6
−0.4
−0.2
0.0
0.2
0.4

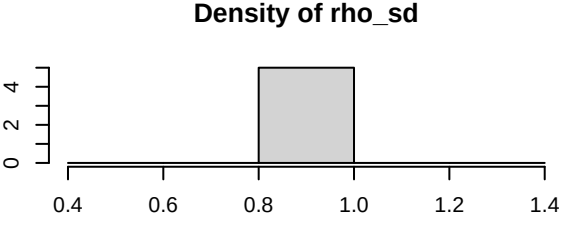

Trace of obs_sd
0.85
1.05
0
500
1000
1500
2000
Iterations

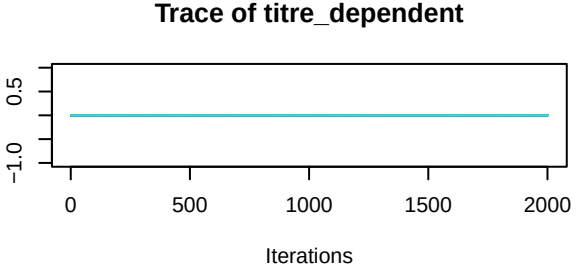

Density of obs_sd
0
4
8
0.80
0.85
0.90
0.95
1.00
1.05
1.10
N = 2001 Bandwidth = 0.005732

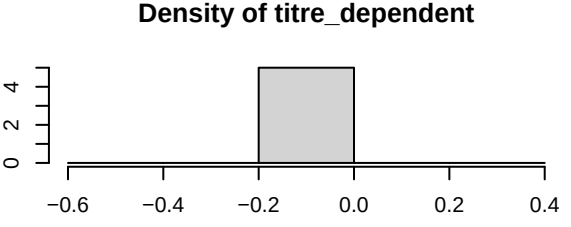

Trace of rho_mean
−1.0
0.5
0
500
1000
1500
2000
Iterations

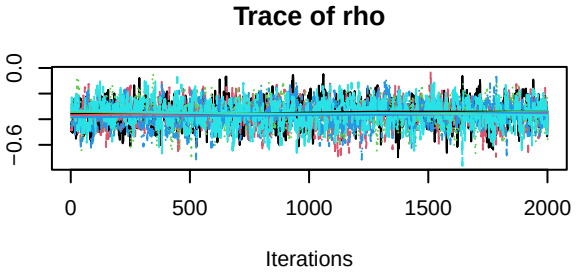

Density of rho_mean
0
2
4
−0.6
−0.4
−0.2
0.0
0.2
0.4

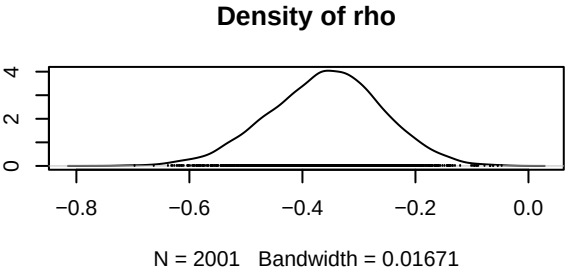

Trace of rho_sd
0.6
1.0
1.4
0
500
1000
1500
2000
Iterations

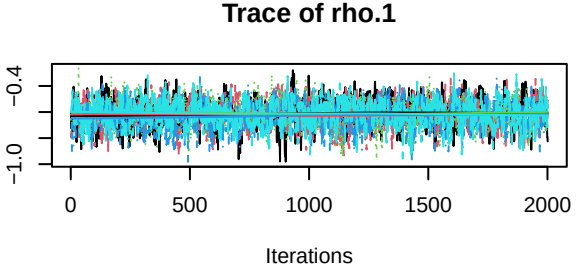

Density of rho_sd
0
2
4
0.4
0.6
0.8
1.0
1.2
1.4

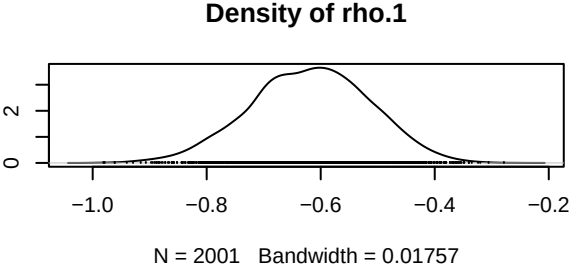

Trace of titre_dependent
−1.0
0.5
0
500
1000
1500
2000
Iterations

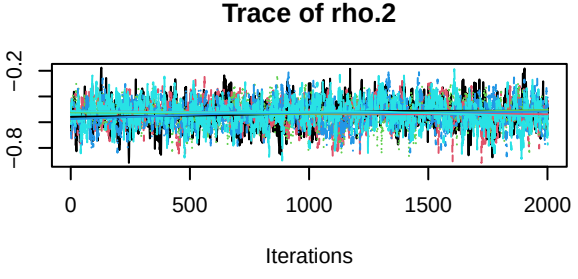

Density of titre_dependent
0
2
4
−0.6
−0.4
−0.2
0.0
0.2
0.4

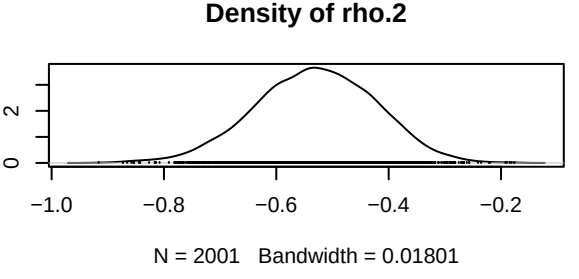

Trace of rho
0.0
−0.6
0
500
1000
1500
2000
Iterations

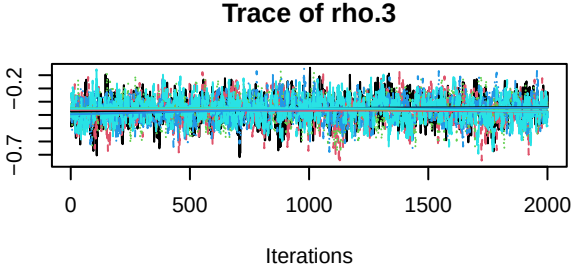

Density of rho
4
2
0
−0.8
−0.6
−0.4
−0.2
0.0
N = 2001 Bandwidth = 0.01671

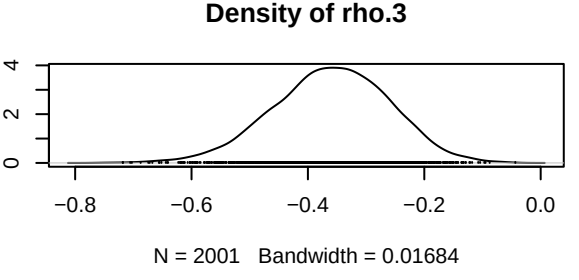

Trace of rho.1
−0.4
−1.0
0
500
1000
1500
2000
Iterations

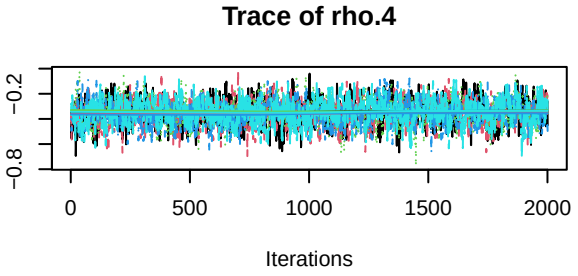

Density of rho.1
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
N = 2001 Bandwidth = 0.01757

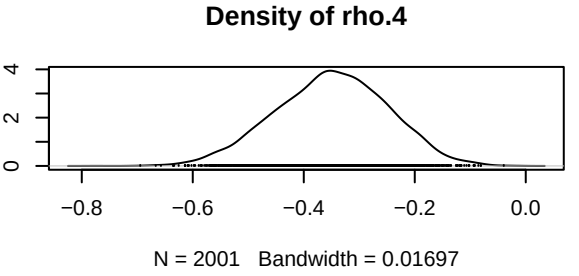

Trace of rho.2
−0.2
−0.8
0
500
1000
1500
2000
Iterations

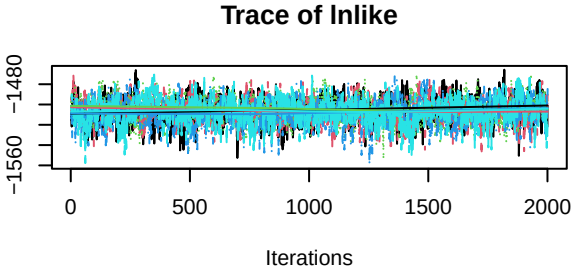

Density of rho.2
2
0
−1.0
−0.8
−0.6
−0.4
−0.2
N = 2001 Bandwidth = 0.01801

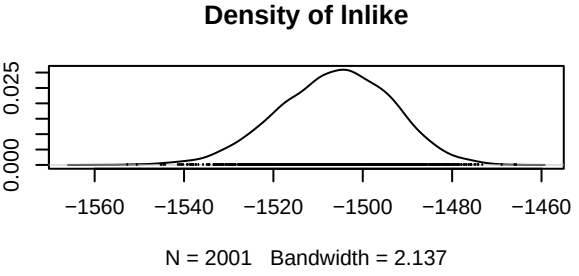

Trace of rho.3
−0.2
−0.7
0
500
1000
1500
2000
Iterations

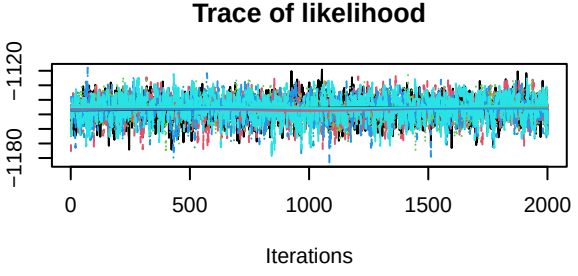

Density of rho.3
4
2
0
−0.8
−0.6
−0.4
−0.2
0.0
N = 2001 Bandwidth = 0.01684

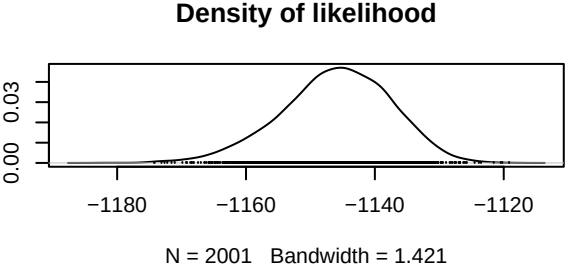

Trace of rho.4
−0.8
−0.2
0
500
1000
1500
2000
Iterations

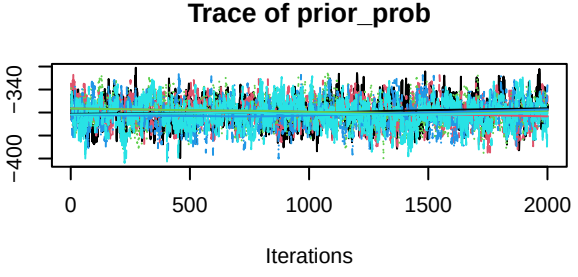

Density of rho.4
0
2
4
−0.8
−0.6
−0.4
−0.2
0.0
N = 2001 Bandwidth = 0.01697

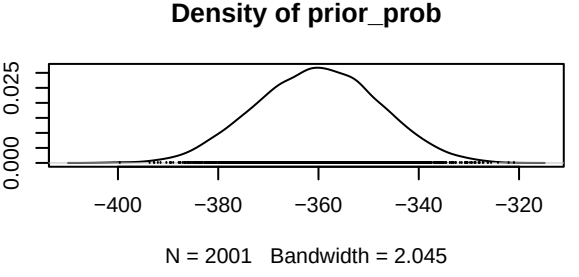

Trace of lnlike
−1560
−1480
0
500
1000
1500
2000
Iterations

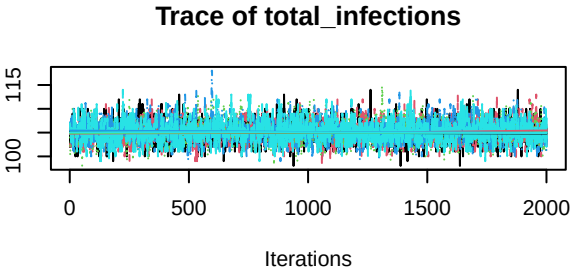

Density of lnlike
0.000
0.025
−1560
−1540
−1520
−1500
−1480
−1460
N = 2001 Bandwidth = 2.137

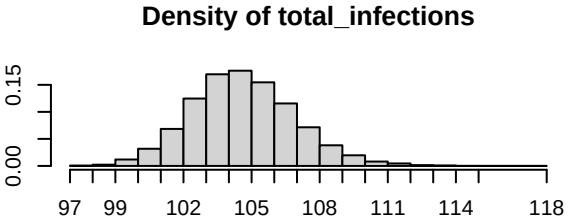

Trace of likelihood
−1180
−1120
0
500
1000
1500
2000
Iterations


Density of likelihood
0.00
0.03
−1180
−1160
−1140
−1120
N = 2001 Bandwidth = 1.421


Trace of prior_prob
−400
−340
0
500
1000
1500
2000
Iterations


Density of prior_prob
0.000
0.025
−400
−380
−360
−340
−320
N = 2001 Bandwidth = 2.045


Trace of total_infections
115
100
0
500
1000
1500
2000
Iterations


Density of total_infections
0.15
0.00
97
99
102
105
108
111
114
118