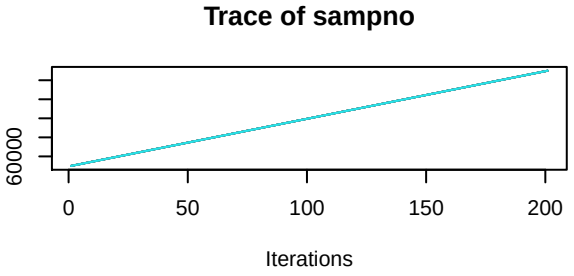
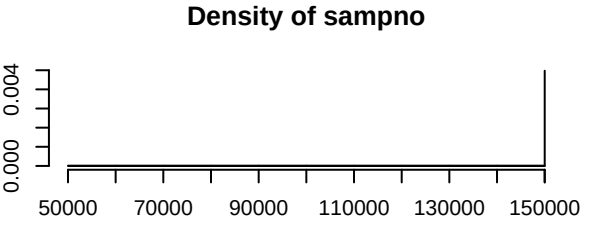
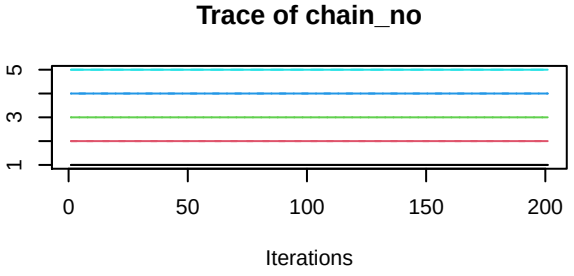
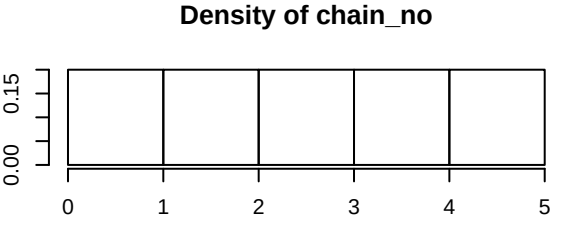
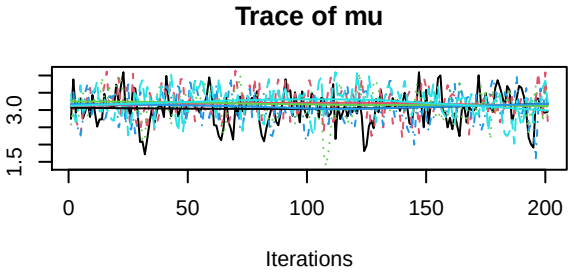
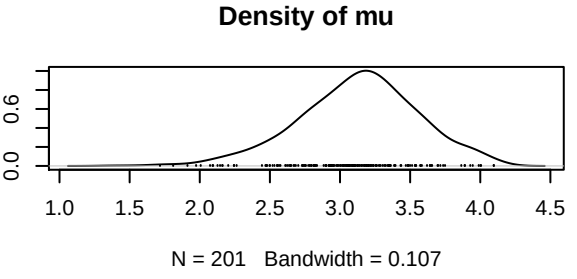

Trace of sampno
60000
0
50
100
150
200
Iterations

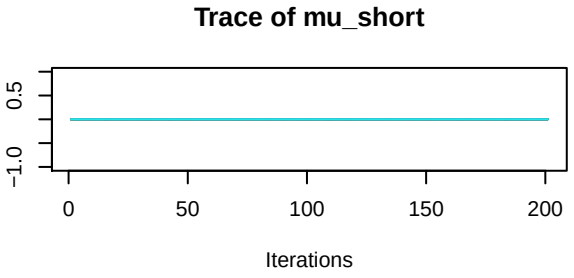

Density of sampno
0.000
0.004
50000
70000
90000
110000
130000
150000

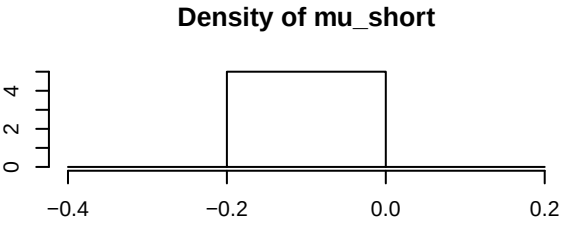

Trace of chain_no
1
3
5
0
50
100
150
200
Iterations

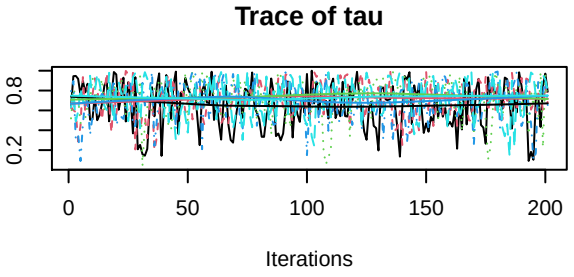

Density of chain_no
0.00
0.15
0
1
2
3
4
5

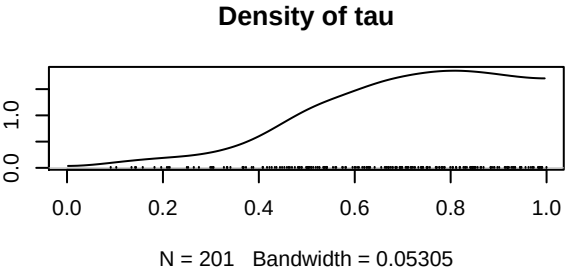

Trace of mu
1.5
3.0
0
50
100
150
200
Iterations

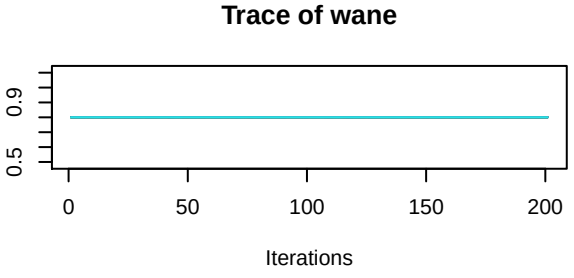

Density of mu
0.0
0.6
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
N = 201 Bandwidth = 0.107

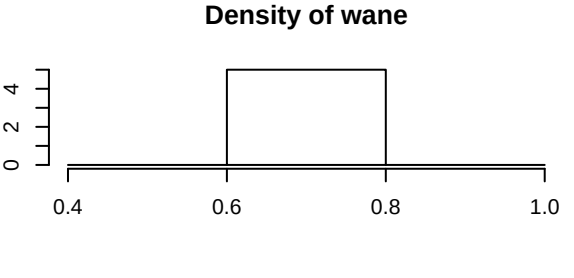

Trace of mu_short
−1.0
0.5
0
50
100
150
200
Iterations

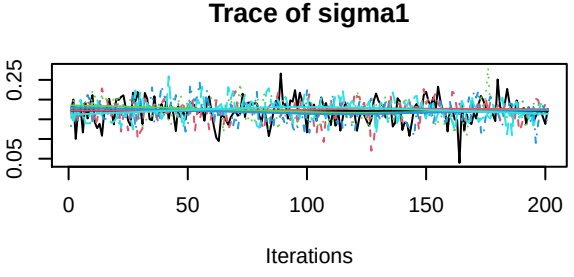

Density of mu_short
0
2
4
−0.4
−0.2
0.0
0.2

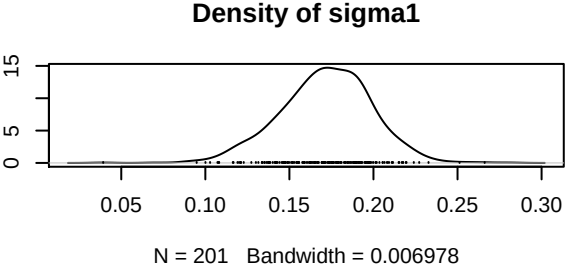

Trace of tau
0.2
0.8
0
50
100
150
200
Iterations

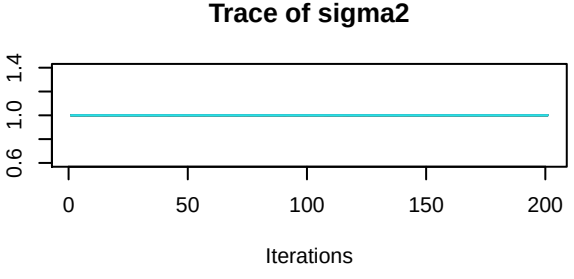

Density of tau
0.0
1.0
0.0
0.2
0.4
0.6
0.8
1.0
N = 201 Bandwidth = 0.05305

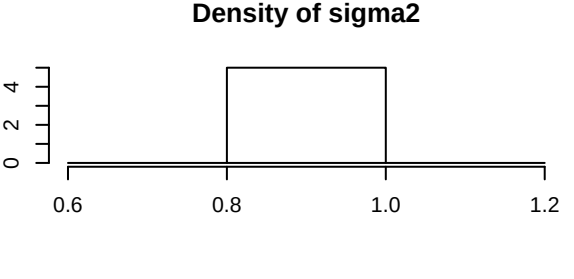

Trace of wane
0.5
0.9
0
50
100
150
200
Iterations

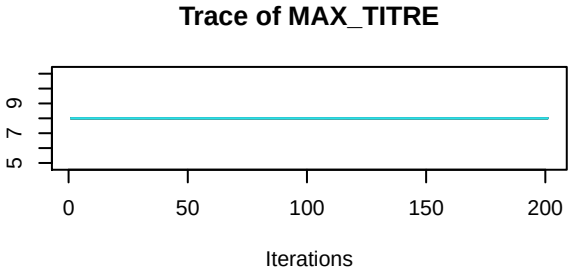

Density of wane
0
2
4
0.4
0.6
0.8
1.0

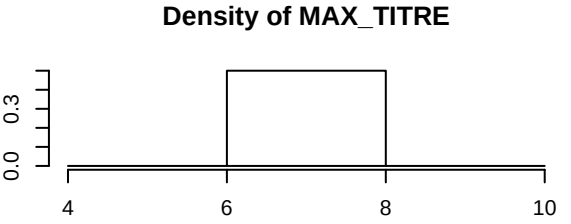

Trace of sigma1
0.05
0.25
0
50
100
150
200
Iterations

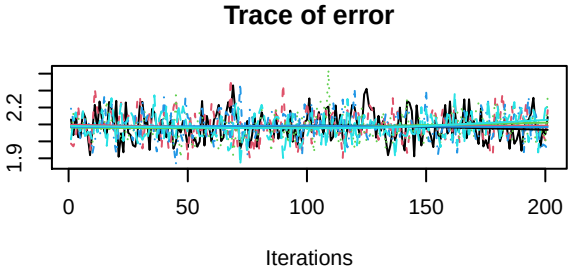

Density of sigma1
0
5
15
0.05
0.10
0.15
0.20
0.25
0.30
N = 201 Bandwidth = 0.006978

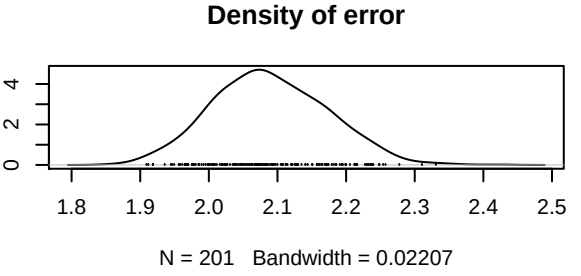

Trace of sigma2
0.6
1.0
1.4
0
50
100
150
200
Iterations

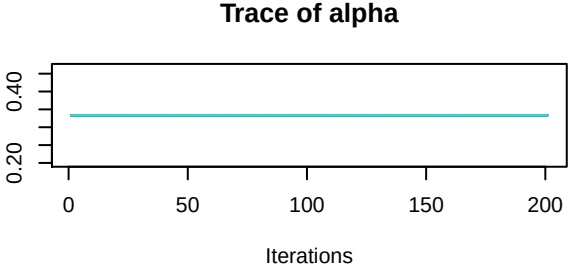

Density of sigma2
0
2
4
0.6
0.8
1.0
1.2

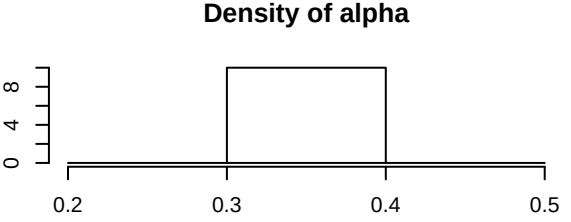

Trace of MAX_TITRE
5 7 9
0 50 100 150 200
Iterations

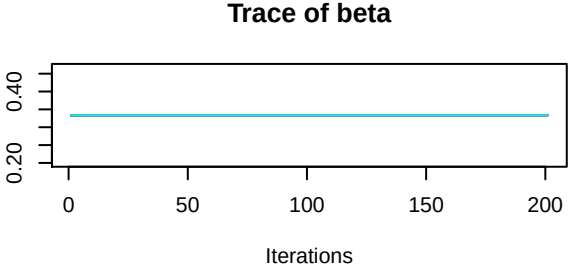

Density of MAX_TITRE
0.0 0.3
4 6 8 10

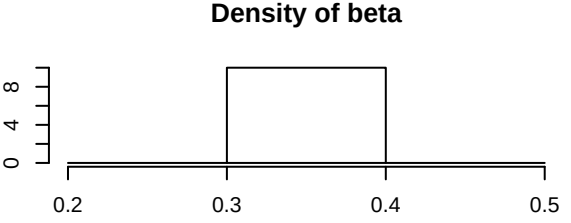

Trace of error
1.9 2.2
0 50 100 150 200
Iterations

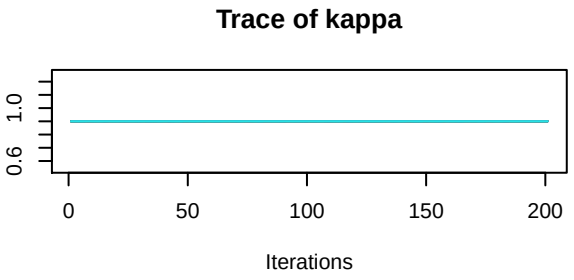

Density of error
0 2 4
1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5
N = 201 Bandwidth = 0.02207

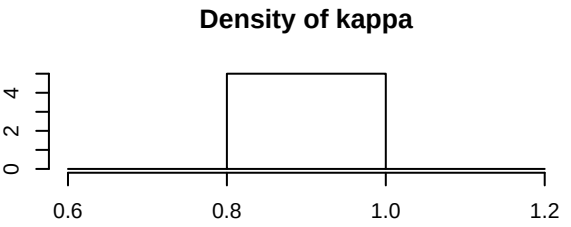

Trace of alpha
0.20 0.40
0 50 100 150 200
Iterations

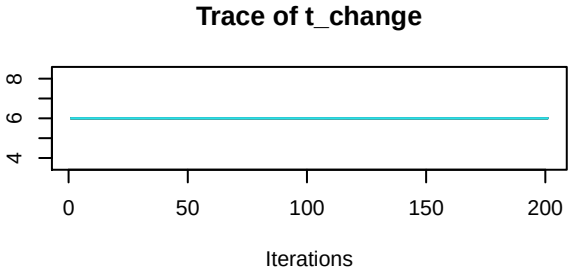

Density of alpha
0 4 8
0.2 0.3 0.4 0.5

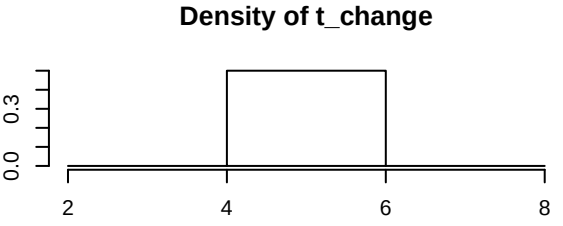

Trace of beta
0.20 0.40
0 50 100 150 200
Iterations

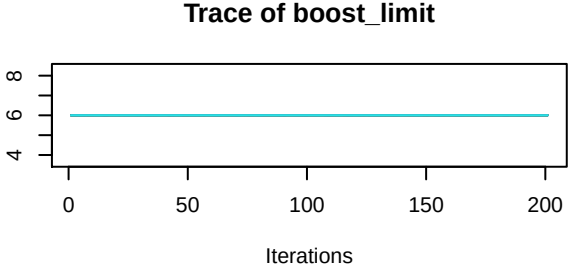

Density of beta
0 4 8
0.2 0.3 0.4 0.5

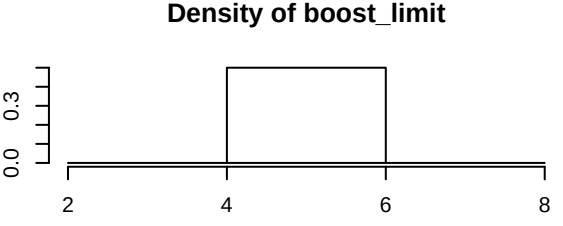

Trace of kappa
0.6
1.0
0
50
100
150
200
Iterations

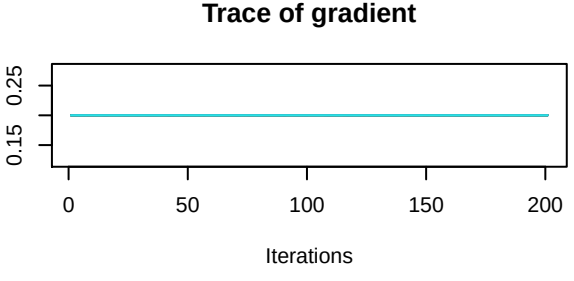

Density of kappa
0
2
4
0.6
0.8
1.0
1.2

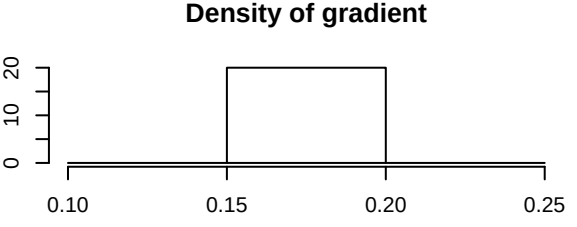

Trace of t_change
4
6
8
0
50
100
150
200
Iterations

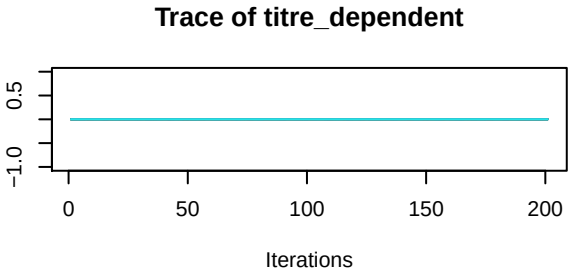

Density of t_change
0.0
0.3
2
4
6
8

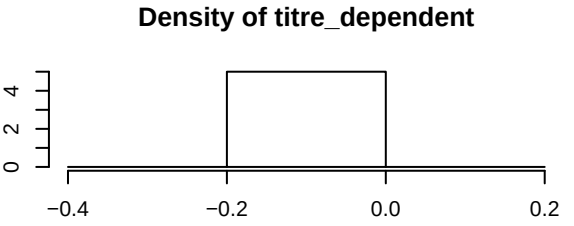

Trace of boost_limit
4
6
8
0
50
100
150
200
Iterations

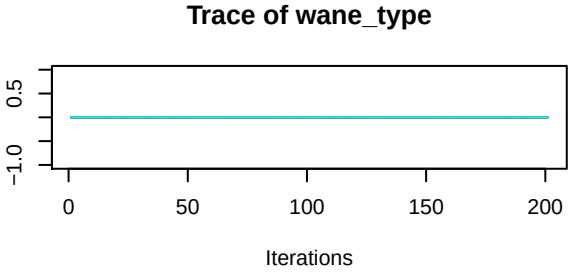

Density of boost_limit
0.0
0.3
2
4
6
8

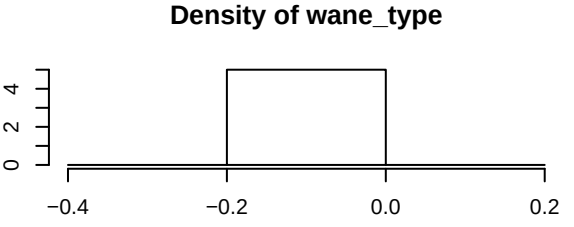

Trace of gradient
0.15
0.25
0
50
100
150
200
Iterations

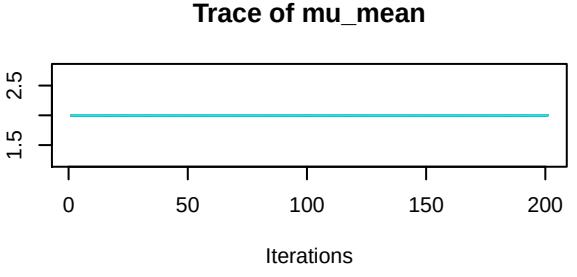

Density of gradient
0
10
20
0.10
0.15
0.20
0.25

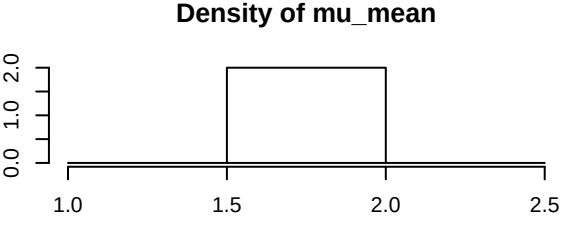

Trace of titre_dependent
−1.0
0.5
0
50
100
150
200
Iterations

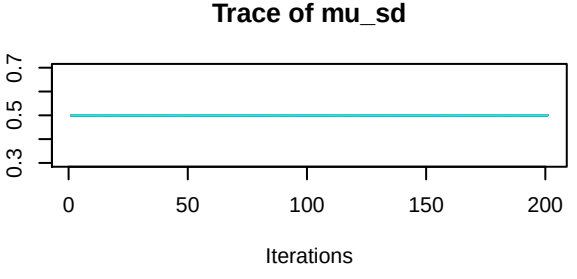

Density of titre_dependent
0
2
4
−0.4
−0.2
0.0
0.2

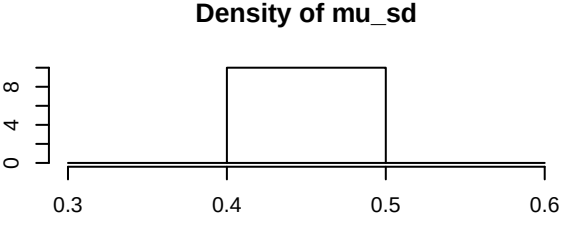

Trace of wane_type
−1.0
0.5
0
50
100
150
200
Iterations

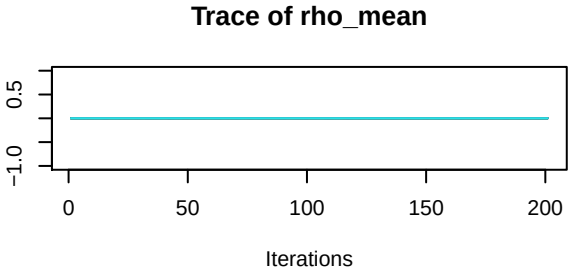

Density of wane_type
0
2
4
−0.4
−0.2
0.0
0.2

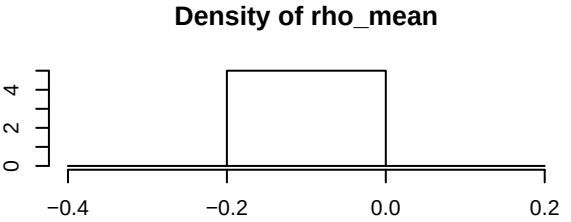

Trace of mu_mean
1.5
2.5
0
50
100
150
200
Iterations

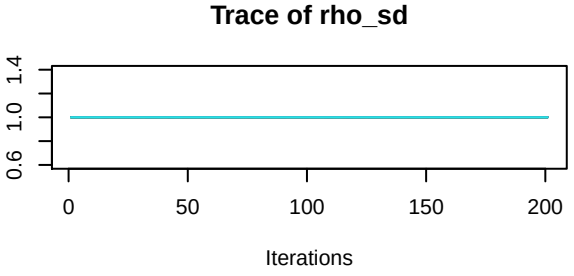

Density of mu_mean
0.0
1.0
2.0
1.0
1.5
2.0
2.5

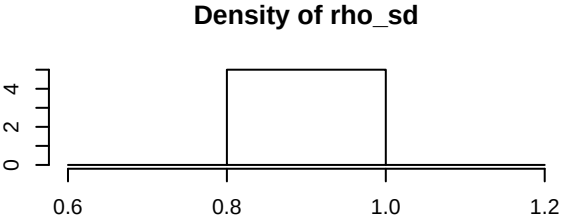

Trace of mu_sd
0.3
0.5
0.7
0
50
100
150
200
Iterations

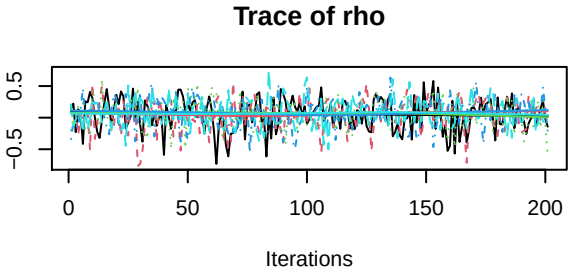

Density of mu_sd
0
4
8
0.3
0.4
0.5
0.6

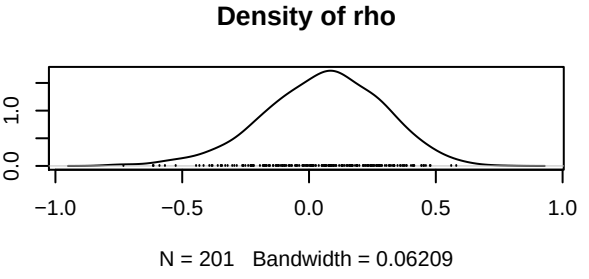

Trace of rho_mean
−1.0
0.5
0
50
100
150
200
Iterations

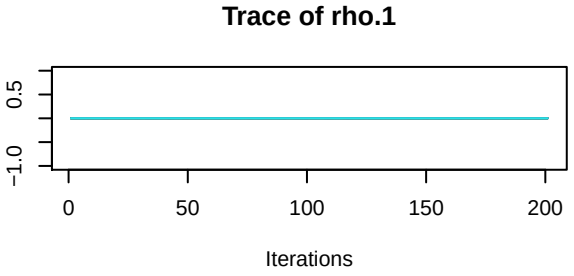

Density of rho_mean
0
2
4
−0.4
−0.2
0.0
0.2

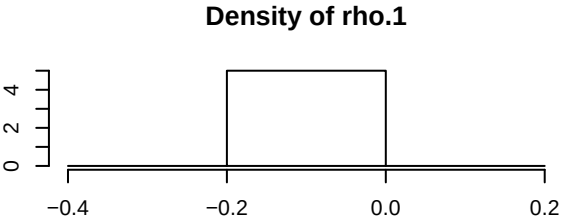

Trace of rho_sd
0.6
1.0
1.4
0
50
100
150
200
Iterations

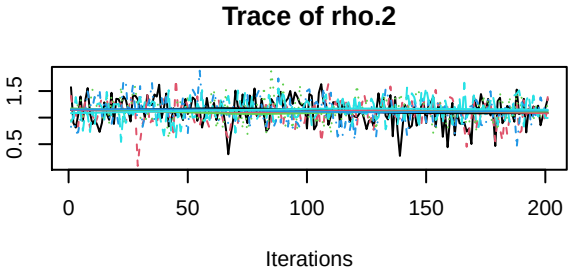

Density of rho_sd
0
2
4
0.6
0.8
1.0
1.2

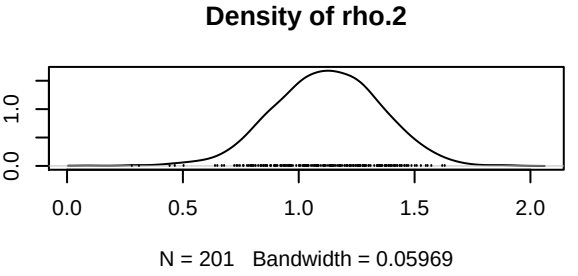

Trace of rho
−0.5
0.5
0
50
100
150
200
Iterations

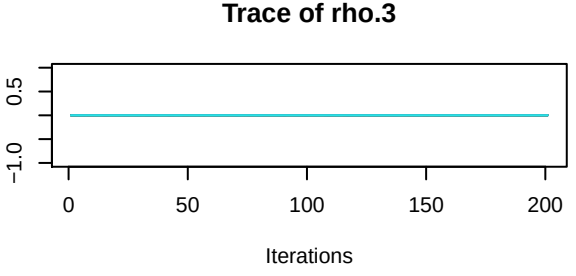

Density of rho
0.0
1.0
−1.0
−0.5
0.0
0.5
1.0
N = 201 Bandwidth = 0.06209

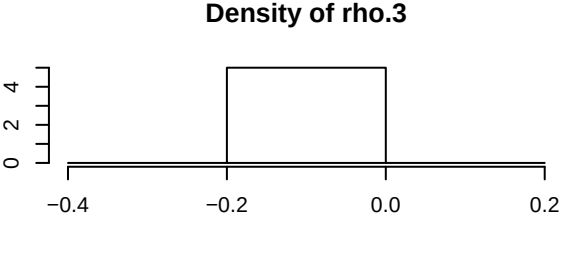

Trace of rho.1
−1.0
0.5
0
50
100
150
200
Iterations

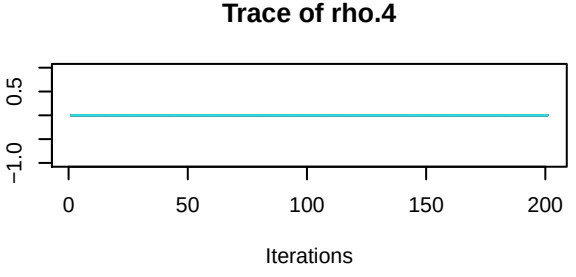

Density of rho.1
0
2
4
−0.4
−0.2
0.0
0.2

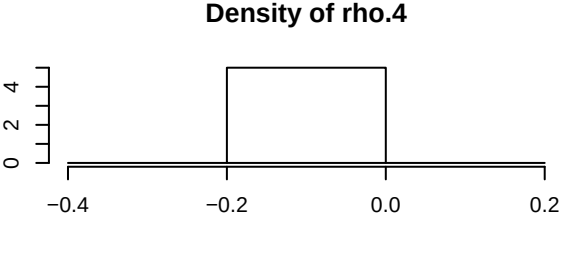

Trace of rho.2
0.5
1.5
0
50
100
150
200
Iterations

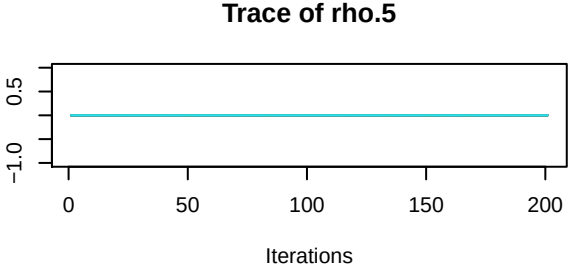

Density of rho.2
0.0
1.0
0.0
0.5
1.0
1.5
2.0
N = 201 Bandwidth = 0.05969

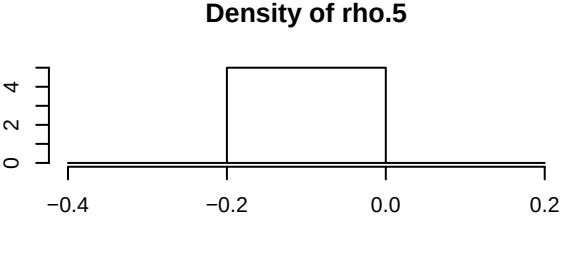

Trace of rho.3
−1.0
0.5
0
50
100
150
200
Iterations

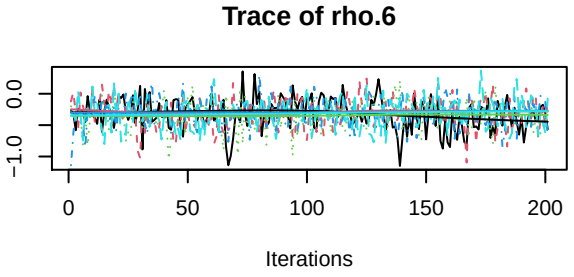

Density of rho.3
0
2
4
−0.4
−0.2
0.0
0.2

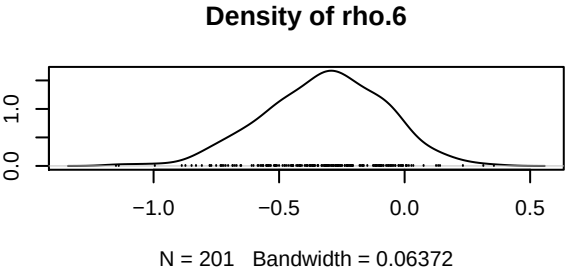

Trace of rho.4
−1.0
0.5
0
50
100
150
200
Iterations

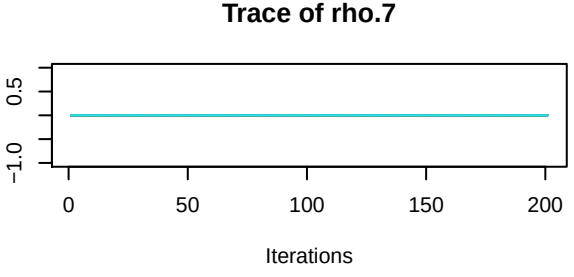

Density of rho.4
0
2
4
−0.4
−0.2
0.0
0.2

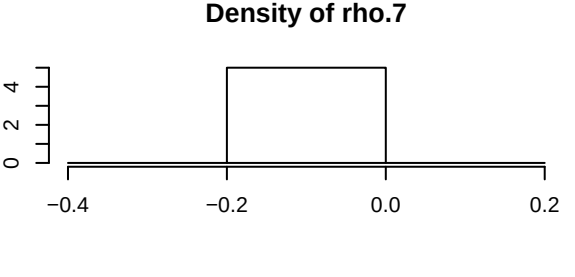

Trace of rho.5
−1.0
0.5
0
50
100
150
200
Iterations

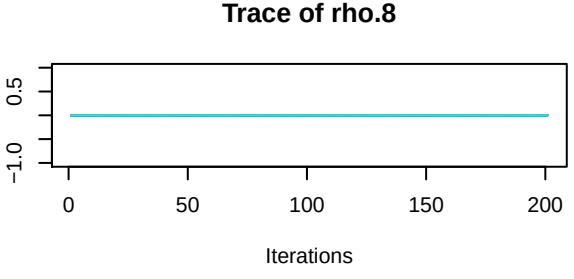

Density of rho.5
0
2
4
−0.4
−0.2
0.0
0.2

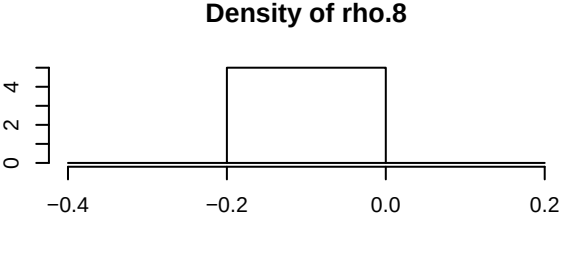

Trace of rho.6
−1.0
0.0
0
50
100
150
200
Iterations

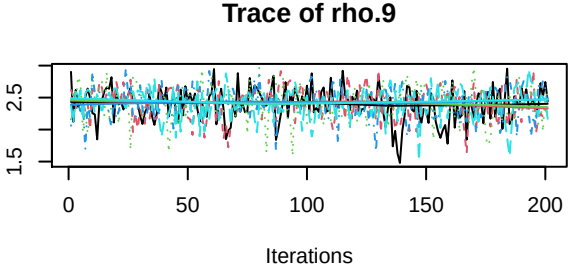

Density of rho.6
0.0
1.0
−1.0
−0.5
0.0
0.5
N = 201 Bandwidth = 0.06372

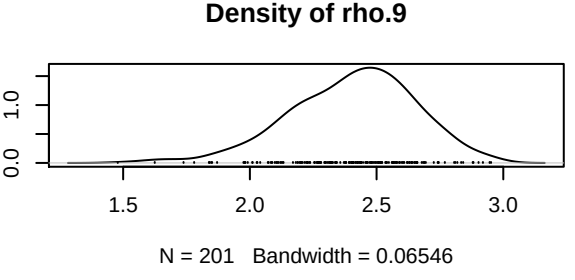

Trace of rho.7
−1.0
0.5
0
50
100
150
200
Iterations

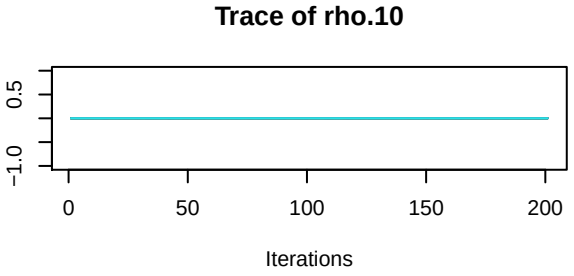

Density of rho.7
0
2
4
−0.4
−0.2
0.0
0.2

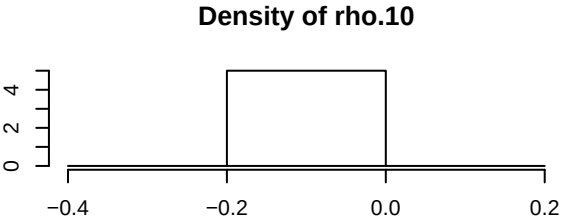

Trace of rho.8
−1.0
0.5
0
50
100
150
200
Iterations

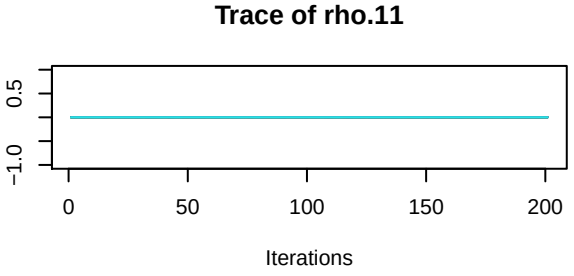

Density of rho.8
0
2
4
−0.4
−0.2
0.0
0.2

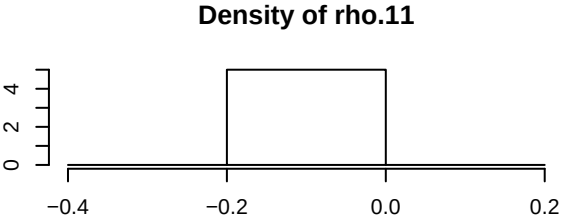

Trace of rho.9
1.5
2.5
0
50
100
150
200
Iterations

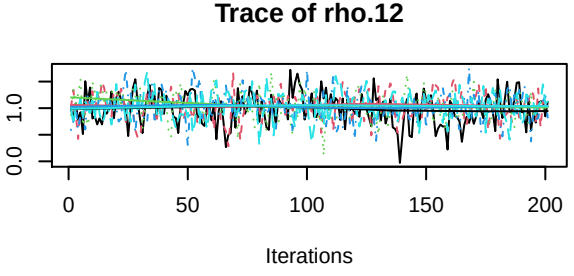

Density of rho.9
0.0
1.0
1.5
2.0
2.5
3.0
N = 201 Bandwidth = 0.06546

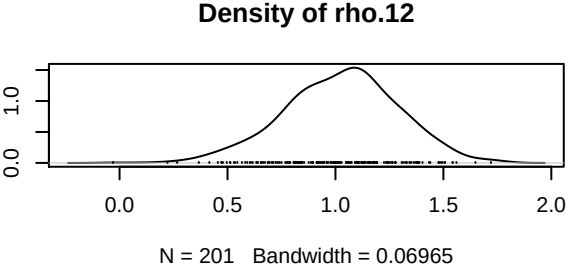

Trace of rho.10
0.5
−1.0
0
50
100
150
200
Iterations

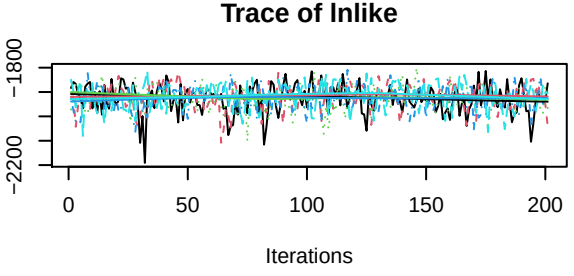

Density of rho.10
4
2
0
−0.4
−0.2
0.0
0.2

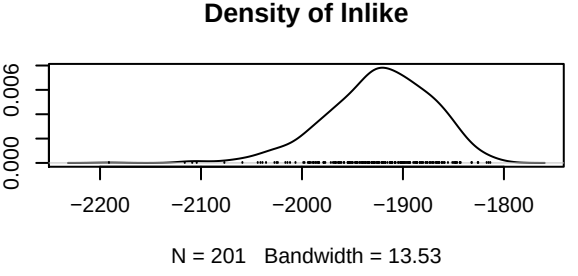

Trace of rho.11
0.5
−1.0
0
50
100
150
200
Iterations

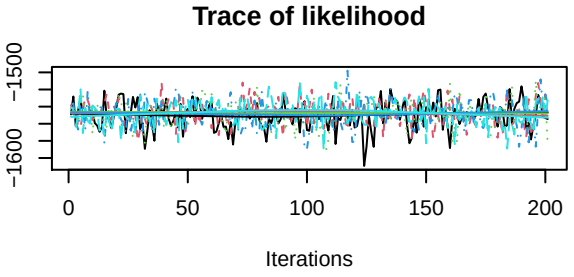

Density of rho.11
4
2
0
−0.4
−0.2
0.0
0.2

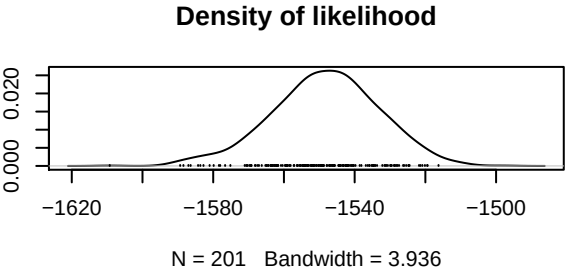

Trace of rho.12
1.0
0.0
0
50
100
150
200
Iterations

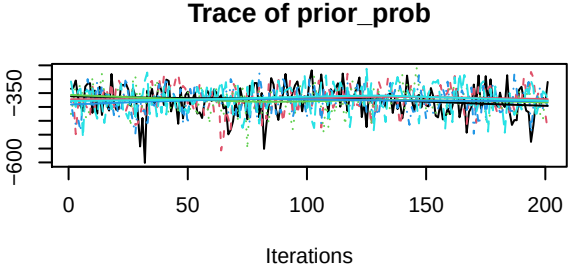

Density of rho.12
1.0
0.0
0.0
0.5
1.0
1.5
2.0
N = 201 Bandwidth = 0.06965

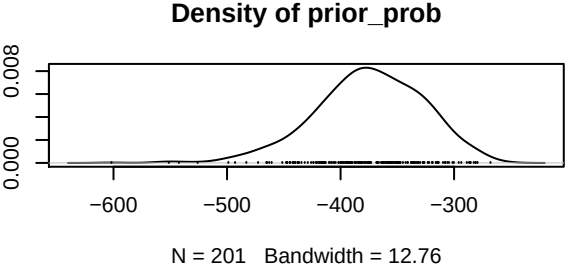

Trace of lnlike
−1800
−2200
0
50
100
150
200
Iterations

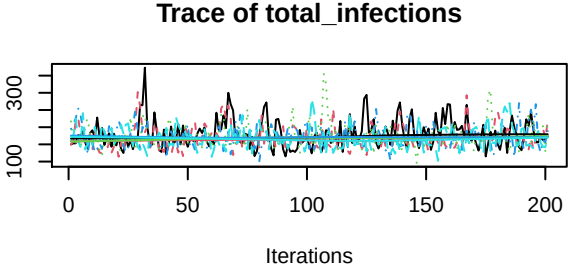

Density of lnlike
0.006
0.000
−2200
−2100
−2000
−1900
−1800
N = 201 Bandwidth = 13.53

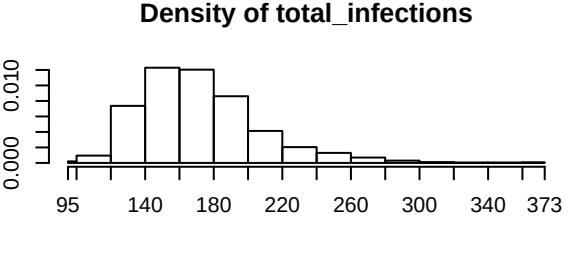

Trace of likelihood
−1500
−1600
0
50
100
150
200
Iterations


Density of likelihood
0.020
0.000
−1620
−1580
−1540
−1500
N = 201 Bandwidth = 3.936


Trace of prior_prob
−350
−600
0
50
100
150
200
Iterations


Density of prior_prob
0.008
0.000
−600
−500
−400
−300
N = 201 Bandwidth = 12.76


Trace of total_infections
300
100
0
50
100
150
200
Iterations


Density of total_infections
0.010
0.000
95
140
180
220
260
300
340
373