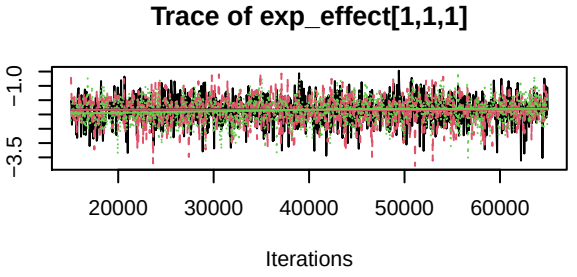
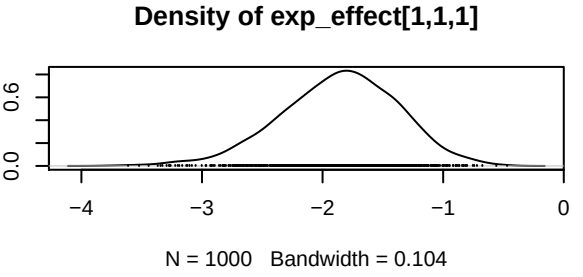
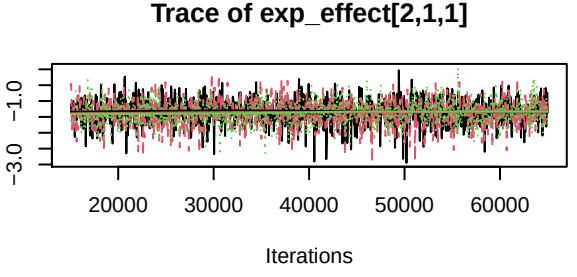
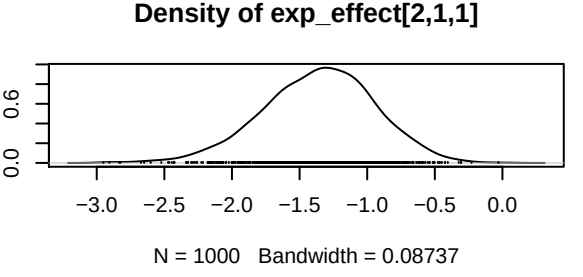
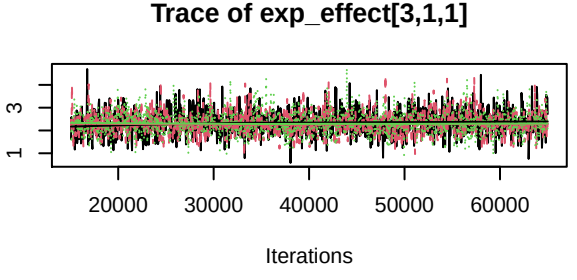
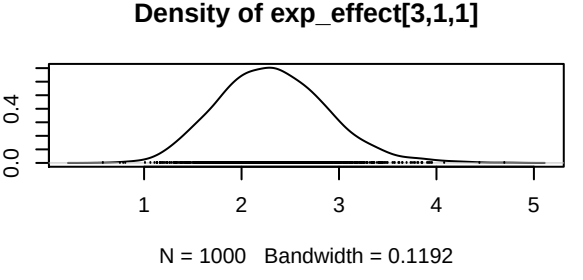

Trace of exp_effect[1,1,1]
−1.0
−3.5
20000
30000
40000
50000
60000
Iterations

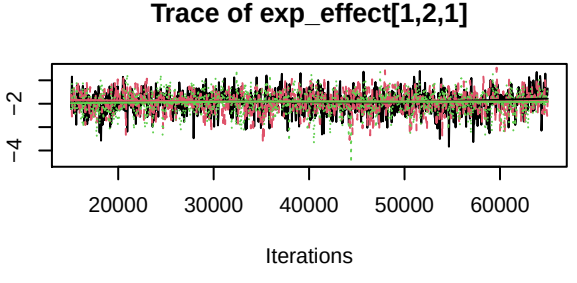

Density of exp_effect[1,1,1]
0.6
0.0
−4
−3
−2
−1
0
N = 1000 Bandwidth = 0.104

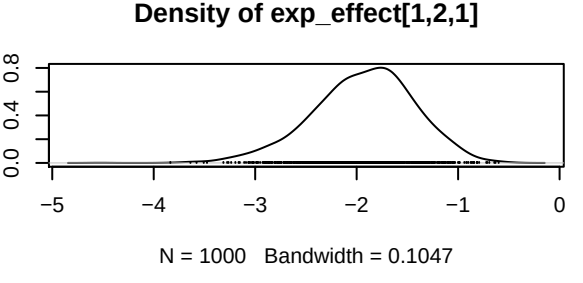

Trace of exp_effect[2,1,1]
−1.0
−3.0
20000
30000
40000
50000
60000
Iterations

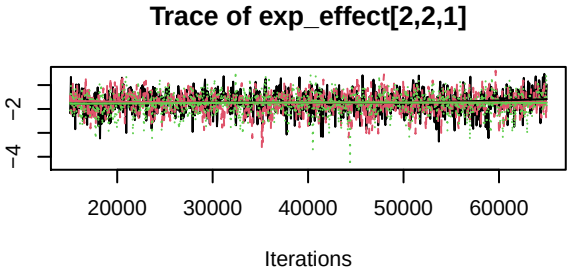

Density of exp_effect[2,1,1]
0.6
0.0
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.08737

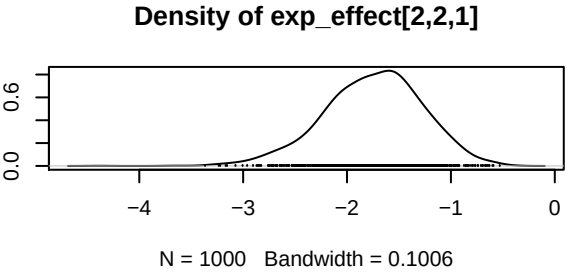

Trace of exp_effect[3,1,1]
3
1
20000
30000
40000
50000
60000
Iterations

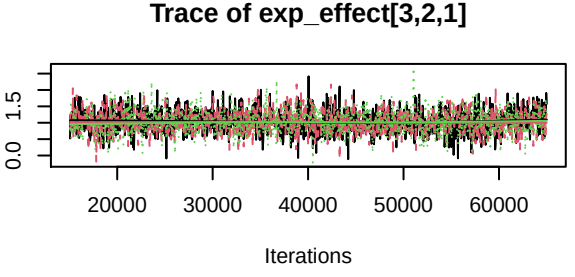

Density of exp_effect[3,1,1]
0.4
0.0
1
2
3
4
5
N = 1000 Bandwidth = 0.1192

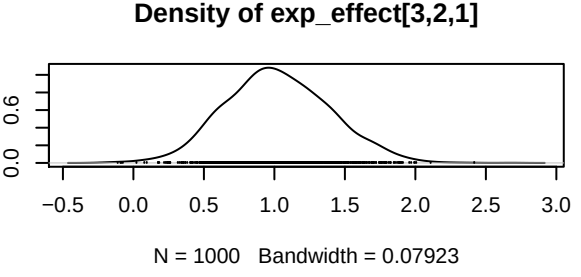

Trace of exp_effect[1,2,1]
−2
−4
20000
30000
40000
50000
60000
Iterations

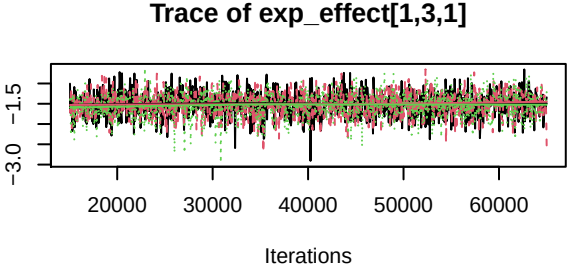

Density of exp_effect[1,2,1]
0.8
0.4
0.0
−5
−4
−3
−2
−1
0
N = 1000 Bandwidth = 0.1047

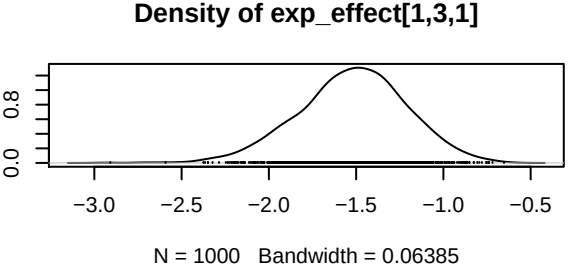

Trace of exp_effect[2,2,1]
−4
−2
20000
30000
40000
50000
60000
Iterations

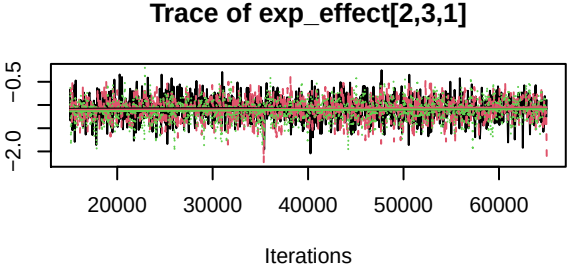

Density of exp_effect[2,2,1]
0.0
0.6
−4
−3
−2
−1
0
N = 1000 Bandwidth = 0.1006

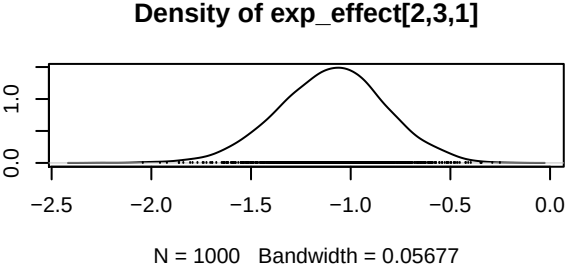

Trace of exp_effect[3,2,1]
0.0
1.5
20000
30000
40000
50000
60000
Iterations

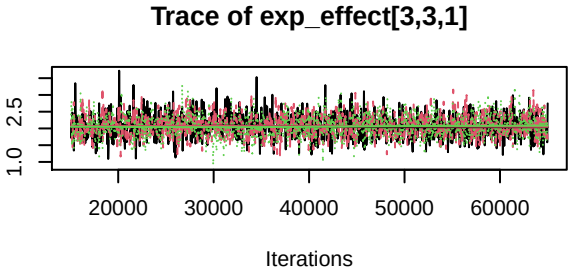

Density of exp_effect[3,2,1]
0.0
0.6
−0.5
0.0
0.5
1.0
1.5
2.0
2.5
3.0
N = 1000 Bandwidth = 0.07923

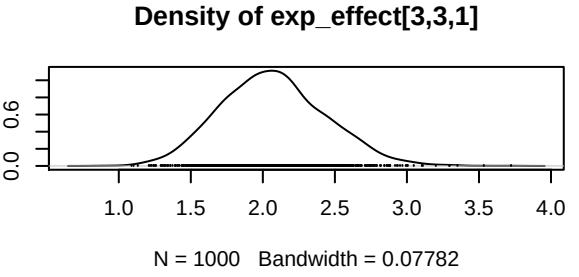

Trace of exp_effect[1,3,1]
−3.0
−1.5
20000
30000
40000
50000
60000
Iterations

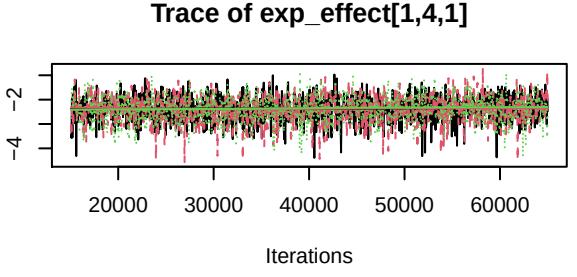

Density of exp_effect[1,3,1]
0.0
0.8
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
N = 1000 Bandwidth = 0.06385

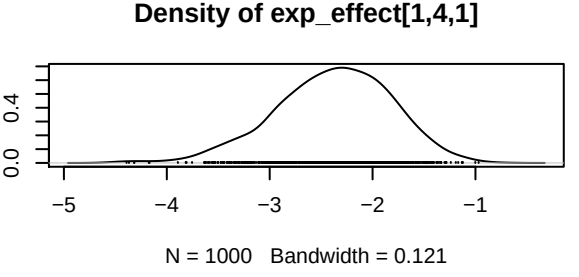

Trace of exp_effect[2,3,1]
−2.0
−0.5
20000
30000
40000
50000
60000
Iterations

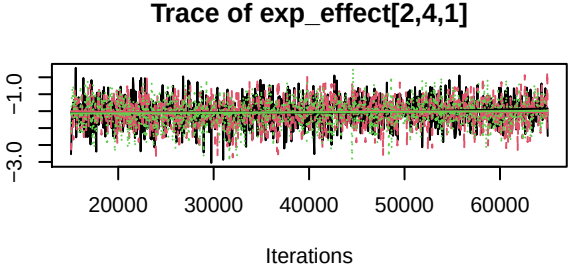

Density of exp_effect[2,3,1]
0.0
1.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.05677

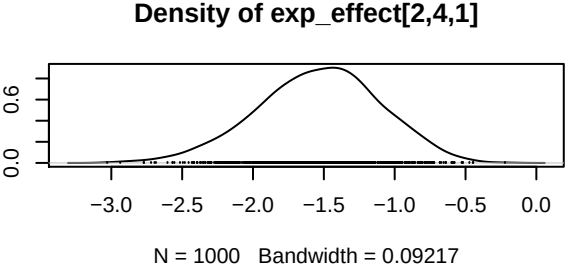

Trace of exp_effect[3,3,1]
1.0
2.5
20000
30000
40000
50000
60000
Iterations

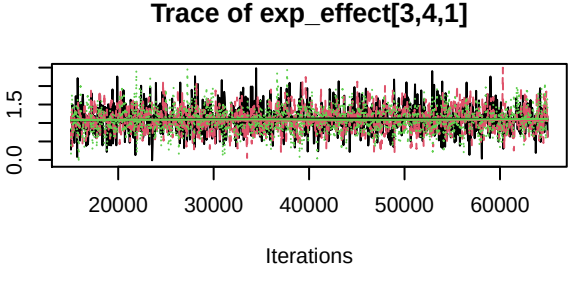

Density of exp_effect[3,3,1]
0.0
0.6
1.0
1.5
2.0
2.5
3.0
3.5
4.0
N = 1000 Bandwidth = 0.07782

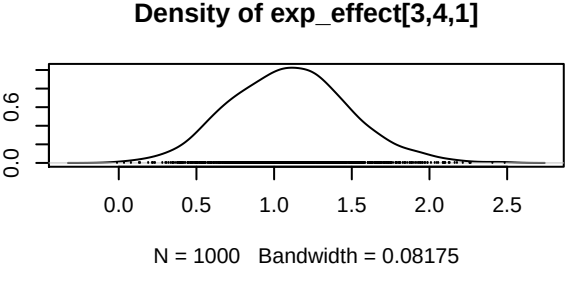

Trace of exp_effect[1,4,1]
−4
−2
20000
30000
40000
50000
60000
Iterations

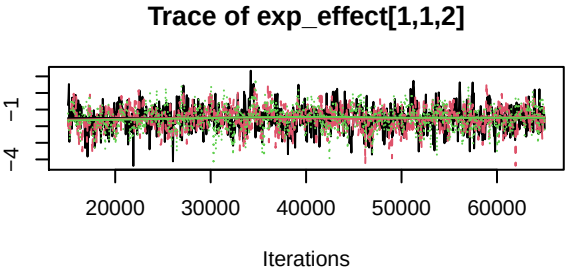

Density of exp_effect[1,4,1]
0.0
0.4
−5
−4
−3
−2
−1
N = 1000 Bandwidth = 0.121

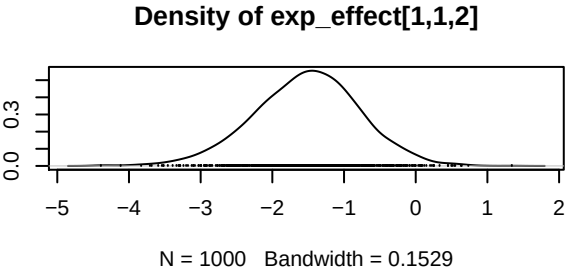

Trace of exp_effect[2,4,1]
−3.0
−1.0
20000
30000
40000
50000
60000
Iterations

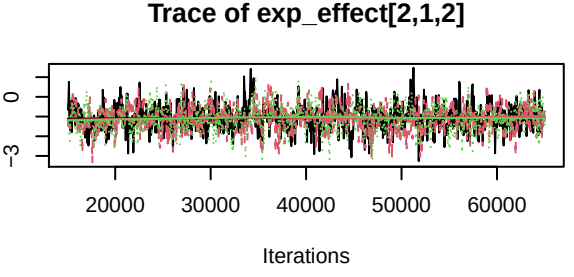

Density of exp_effect[2,4,1]
0.0
0.6
−3.0
−2.5
−2.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.09217

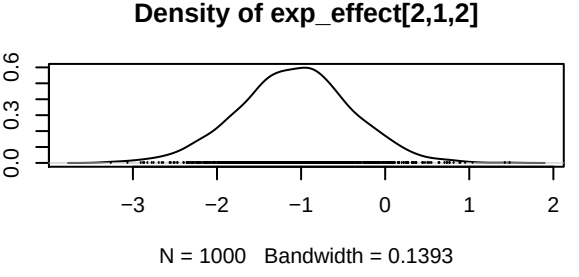

Trace of exp_effect[3,4,1]
0.0
1.5
20000
30000
40000
50000
60000
Iterations

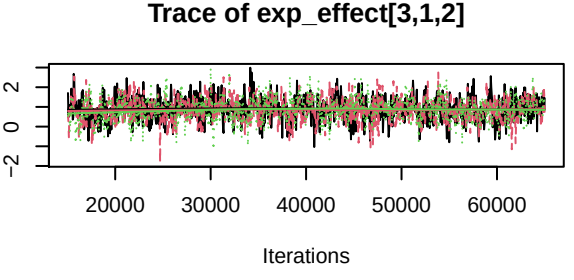

Density of exp_effect[3,4,1]
0.0
0.6
0.0
0.5
1.0
1.5
2.0
2.5
N = 1000 Bandwidth = 0.08175

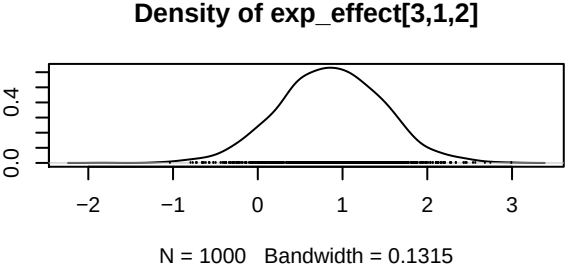

Trace of exp_effect[1,1,2]
−4
−1
20000
30000
40000
50000
60000
Iterations

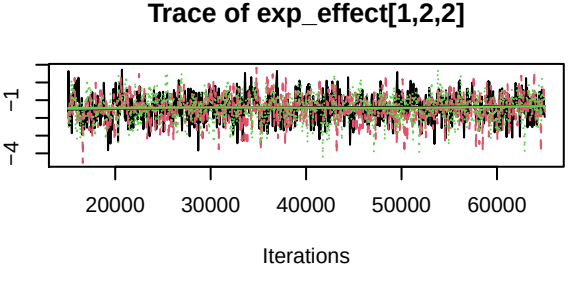

Density of exp_effect[1,1,2]
0.0
0.3
−5
−4
−3
−2
−1
0
1
2
N = 1000 Bandwidth = 0.1529

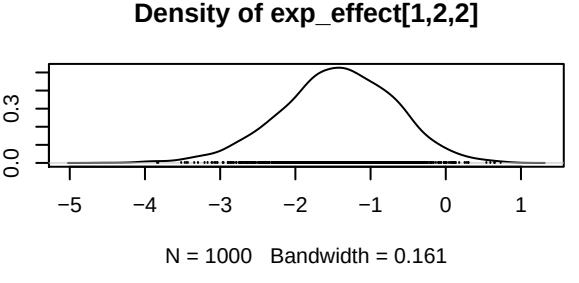

Trace of exp_effect[2,1,2]
−3
0
20000
30000
40000
50000
60000
Iterations

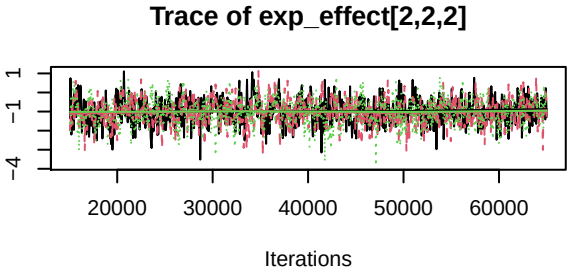

Density of exp_effect[2,1,2]
0.0
0.3
0.6
−3
−2
−1
0
1
2
N = 1000 Bandwidth = 0.1393

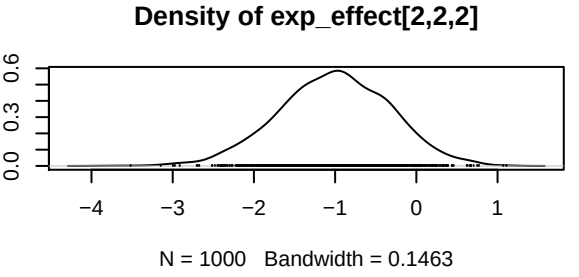

Trace of exp_effect[3,1,2]
−2
0
2
20000
30000
40000
50000
60000
Iterations

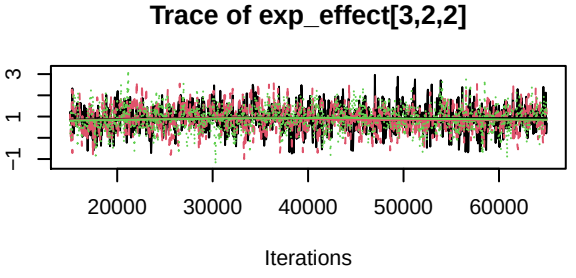

Density of exp_effect[3,1,2]
0.0
0.4
−2
−1
0
1
2
3
N = 1000 Bandwidth = 0.1315

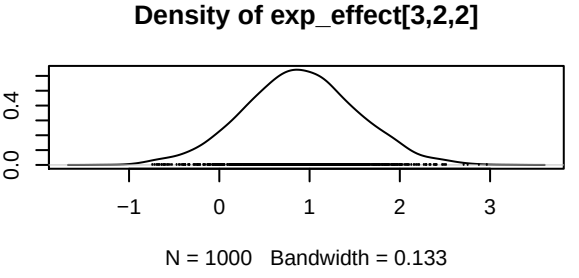

Trace of exp_effect[1,2,2]
−4
−1
20000
30000
40000
50000
60000
Iterations

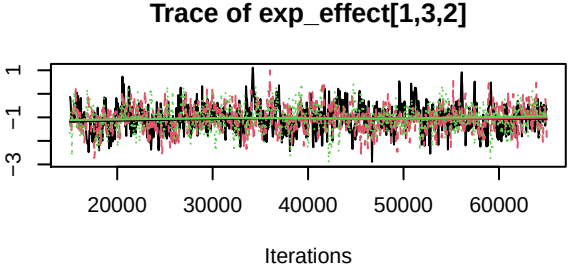

Density of exp_effect[1,2,2]
0.0
0.3
−5
−4
−3
−2
−1
0
1
N = 1000 Bandwidth = 0.161

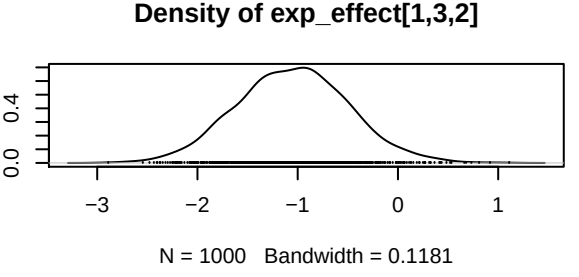

Trace of exp_effect[2,2,2]
−4
−1
1
20000
30000
40000
50000
60000
Iterations

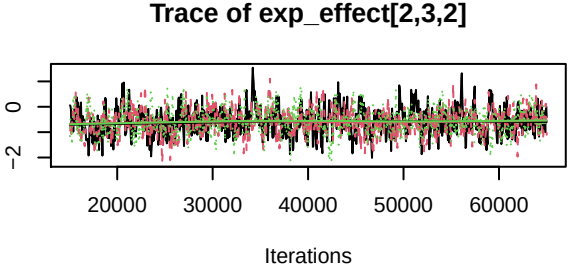

Density of exp_effect[2,2,2]
0.0
0.3
0.6
−4
−3
−2
−1
0
1
N = 1000 Bandwidth = 0.1463

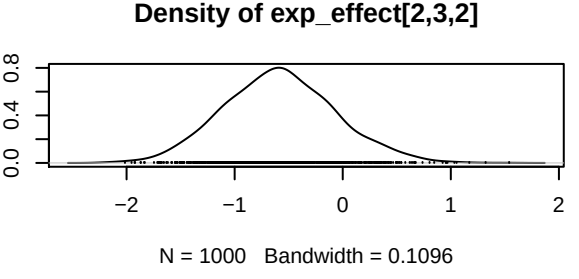

Trace of exp_effect[3,2,2]
−1
1
3
20000
30000
40000
50000
60000
Iterations

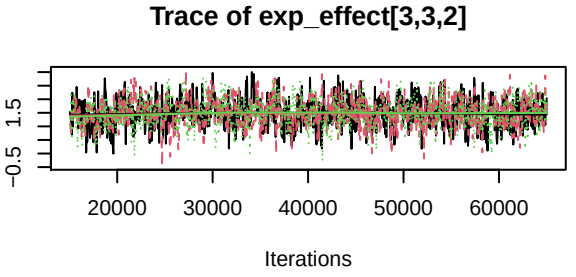

Density of exp_effect[3,2,2]
0.0
0.4
−1
0
1
2
3
N = 1000 Bandwidth = 0.133

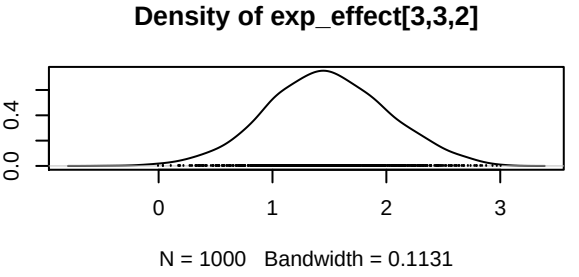

Trace of exp_effect[1,3,2]
−3
−1
1
20000
30000
40000
50000
60000
Iterations

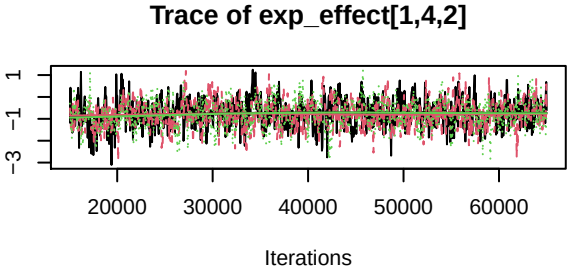

Density of exp_effect[1,3,2]
0.0
0.4
−3
−2
−1
0
1
N = 1000 Bandwidth = 0.1181

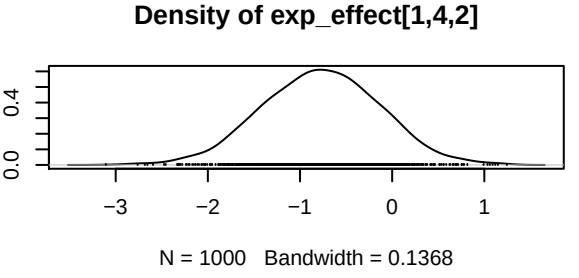

Trace of exp_effect[2,3,2]
−2
0
20000
30000
40000
50000
60000
Iterations

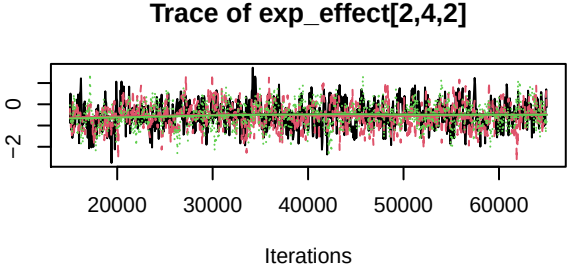

Density of exp_effect[2,3,2]
0.0
0.4
0.8
−2
−1
0
1
2
N = 1000 Bandwidth = 0.1096

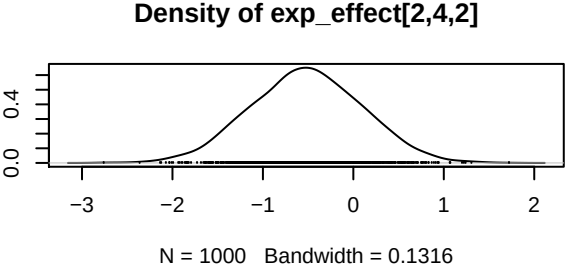

Trace of exp_effect[3,3,2]
−0.5
1.5
20000
30000
40000
50000
60000
Iterations

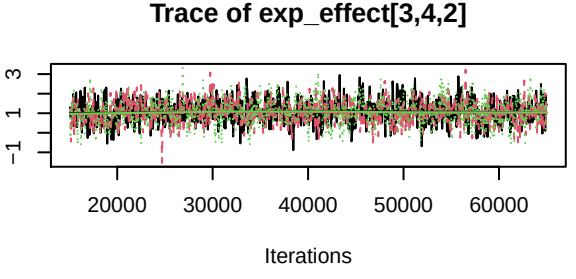

Density of exp_effect[3,3,2]
0.0
0.4
0
1
2
3
N = 1000 Bandwidth = 0.1131

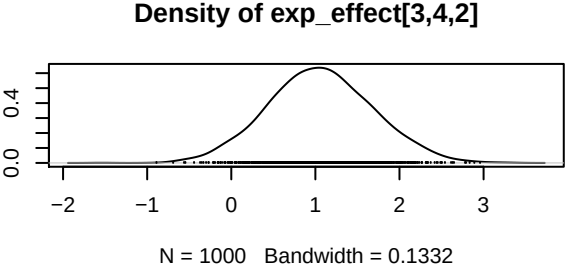

Trace of exp_effect[1,4,2]
−3
−1
1
20000
30000
40000
50000
60000
Iterations

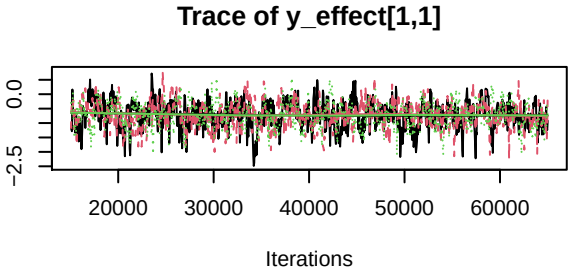

Density of exp_effect[1,4,2]
0.0
0.4
−3
−2
−1
0
1
N = 1000 Bandwidth = 0.1368

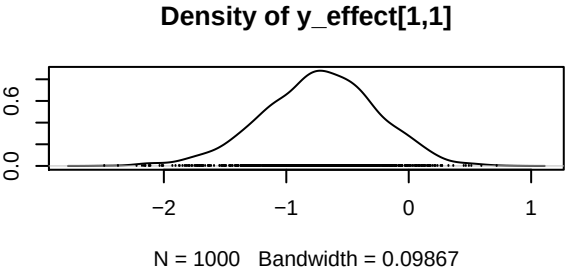

Trace of exp_effect[2,4,2]
−2
0
20000
30000
40000
50000
60000
Iterations

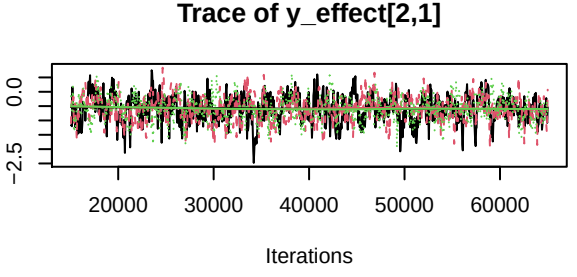

Density of exp_effect[2,4,2]
0.0
0.4
−3
−2
−1
0
1
2
N = 1000 Bandwidth = 0.1316

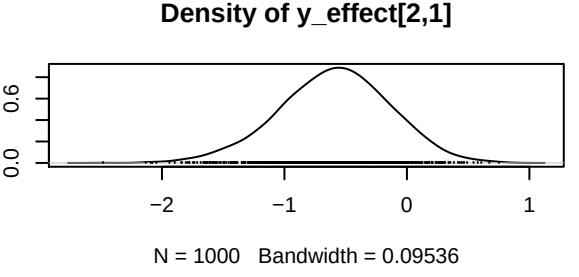

Trace of exp_effect[3,4,2]
−1
1
3
20000
30000
40000
50000
60000
Iterations

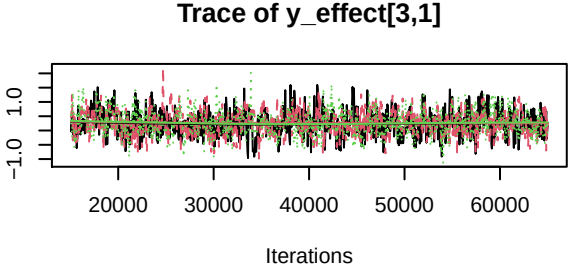

Density of exp_effect[3,4,2]
0.0
0.4
−2
−1
0
1
2
3
N = 1000 Bandwidth = 0.1332

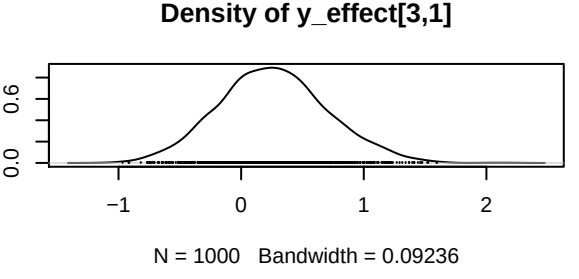

Trace of y_effect[1,1]
0.0
−2.5
20000
30000
40000
50000
60000
Iterations

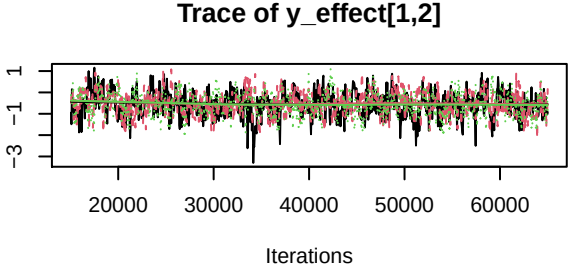

Density of y_effect[1,1]
0.6
0.0
−2
−1
0
1
N = 1000 Bandwidth = 0.09867

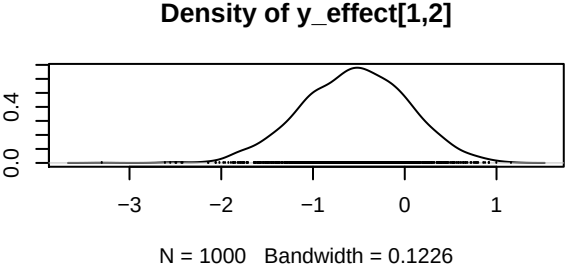

Trace of y_effect[2,1]
0.0
−2.5
20000
30000
40000
50000
60000
Iterations

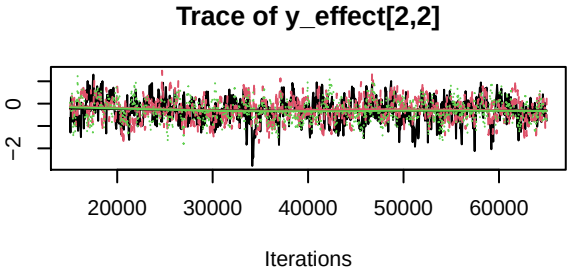

Density of y_effect[2,1]
0.6
0.0
−2
−1
0
1
N = 1000 Bandwidth = 0.09536

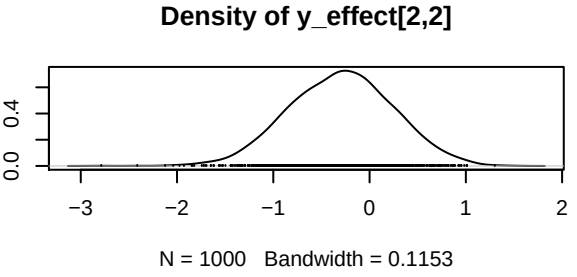

Trace of y_effect[3,1]
1.0
−1.0
20000
30000
40000
50000
60000
Iterations

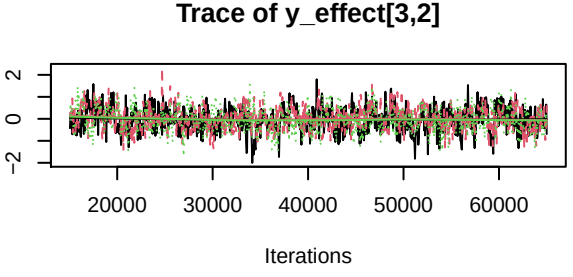

Density of y_effect[3,1]
0.6
0.0
−1
0
1
2
N = 1000 Bandwidth = 0.09236

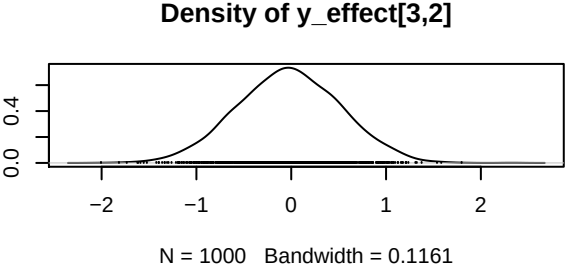

Trace of y_effect[1,2]
1
−1
−3
20000
30000
40000
50000
60000
Iterations

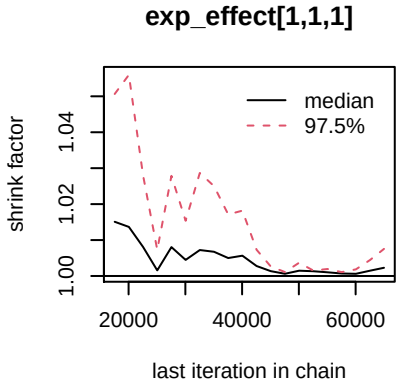

Density of y_effect[1,2]
0.4
0.0
−3
−2
−1
0
1
N = 1000 Bandwidth = 0.1226

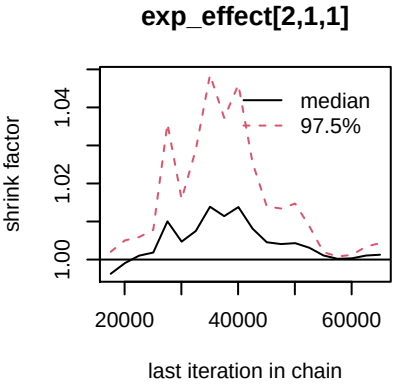

Trace of y_effect[2,2]
−2
0
20000
30000
40000
50000
60000
Iterations

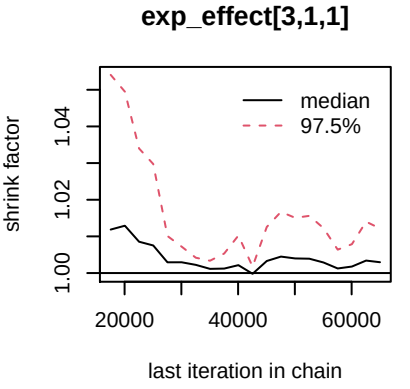

Density of y_effect[2,2]
0.0
0.4
−3
−2
−1
0
1
2
N = 1000 Bandwidth = 0.1153

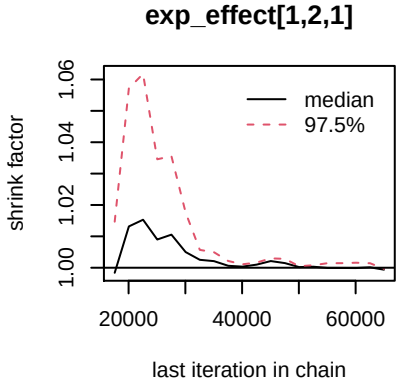

Trace of y_effect[3,2]
−2
0
2
20000
30000
40000
50000
60000
Iterations

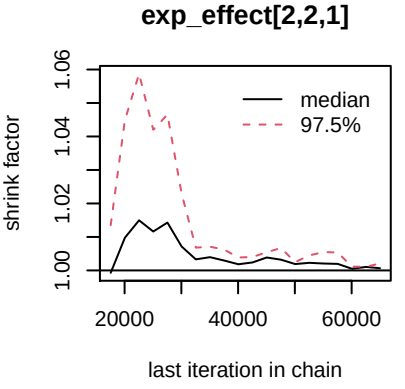

Density of y_effect[3,2]
0.0
0.4
−2
−1
0
1
2
N = 1000 Bandwidth = 0.1161

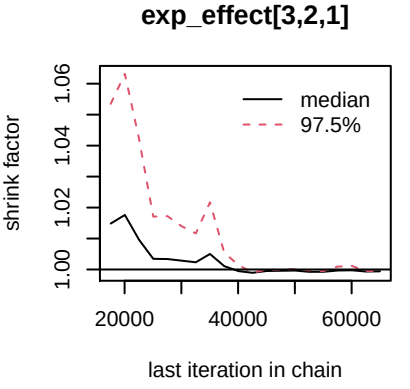

exp_effect[1,1,1]
median
97.5%
shrink factor
1.00
1.02
1.04
20000
40000
60000
last iteration in chain

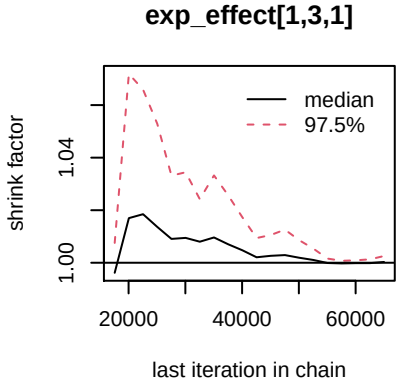

exp_effect[2,1,1]
median
97.5%
shrink factor
1.00
1.02
1.04
20000
40000
60000
last iteration in chain

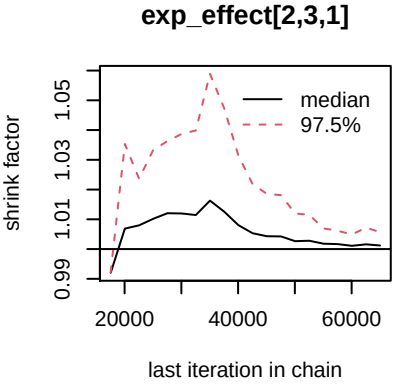

exp_effect[3,1,1]
median
97.5%
shrink factor
1.00
1.02
1.04
20000
40000
60000
last iteration in chain

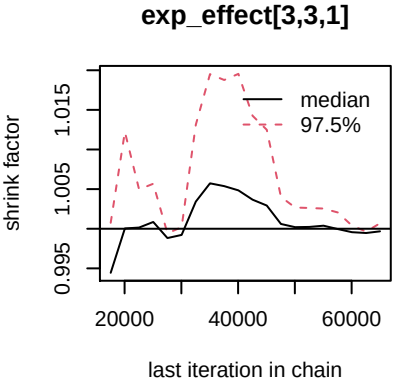

exp_effect[1,2,1]
median
97.5%
shrink factor
1.00
1.02
1.04
1.06
20000
40000
60000
last iteration in chain

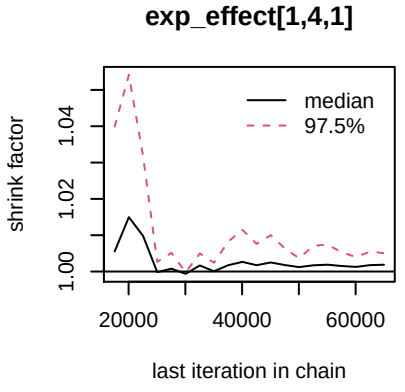

exp_effect[2,2,1]
median
97.5%
shrink factor
1.00
1.02
1.04
1.06
20000
40000
60000
last iteration in chain

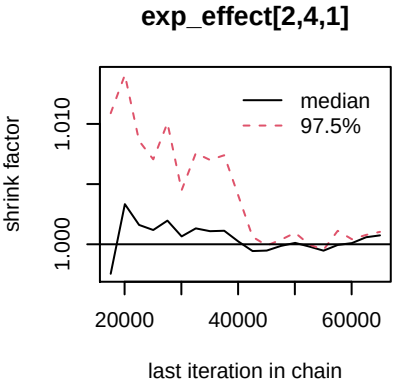

exp_effect[3,2,1]
median
97.5%
shrink factor
1.00
1.02
1.04
1.06
20000
40000
60000
last iteration in chain

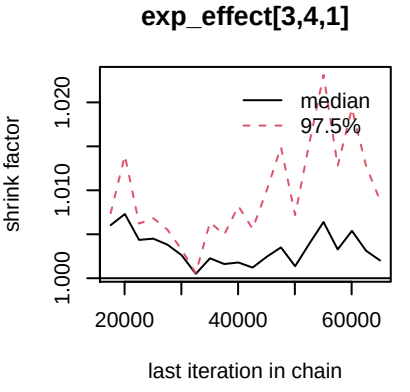

exp_effect[1,3,1]
median
97.5%
shrink factor
1.00
1.04
20000
40000
60000
last iteration in chain

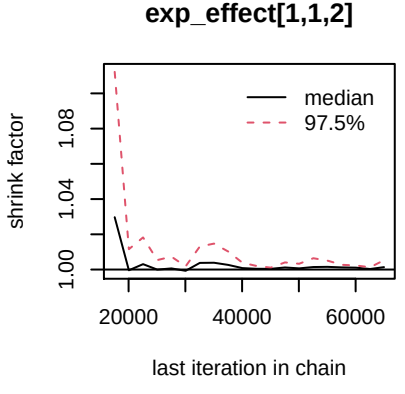

exp_effect[2,3,1]
median
97.5%
shrink factor
0.99
1.01
1.03
1.05
20000
40000
60000
last iteration in chain

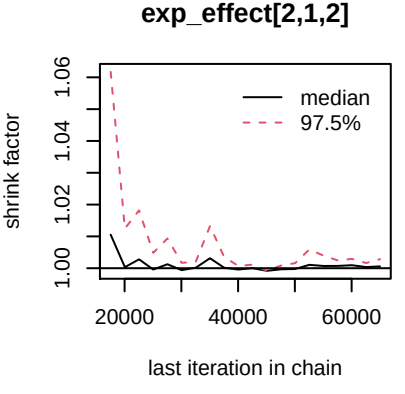

exp_effect[3,3,1]
median
97.5%
shrink factor
0.995
1.005
1.015
20000
40000
60000
last iteration in chain

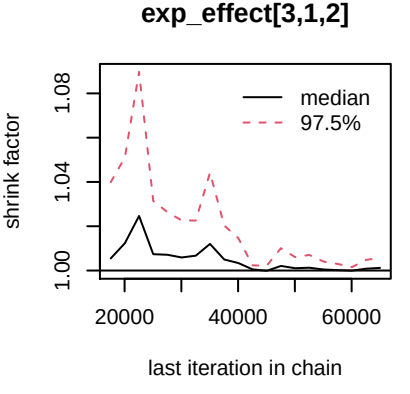

exp_effect[1,4,1]
median
97.5%
shrink factor
1.00
1.02
1.04
20000
40000
60000
last iteration in chain

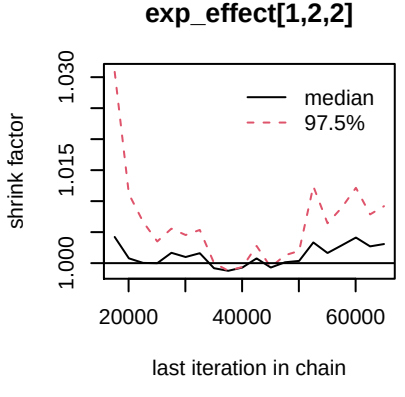

exp_effect[2,4,1]
median
97.5%
shrink factor
1.000
1.010
20000
40000
60000
last iteration in chain

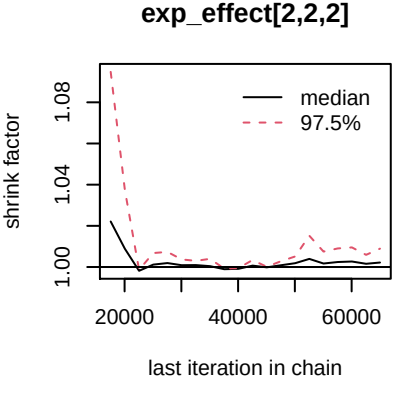

exp_effect[3,4,1]
median
97.5%
shrink factor
1.000
1.010
1.020
20000
40000
60000
last iteration in chain

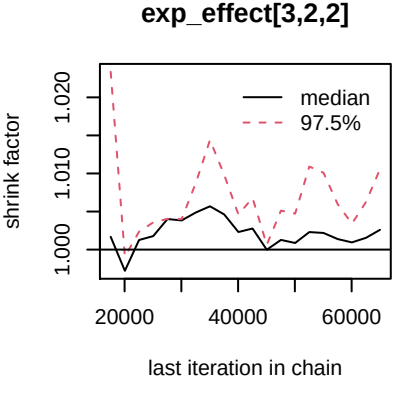

exp_effect[1,1,2]
median
97.5%
shrink factor
1.00
1.04
1.08
20000
40000
60000
last iteration in chain

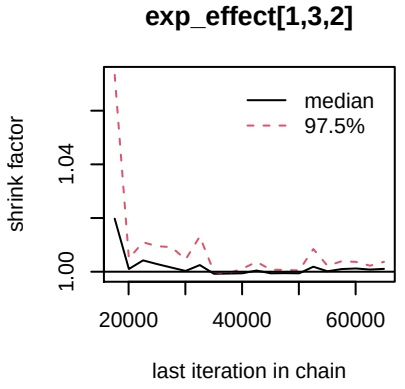

exp_effect[2,1,2]
median
97.5%
shrink factor
1.00
1.02
1.04
1.06
20000
40000
60000
last iteration in chain

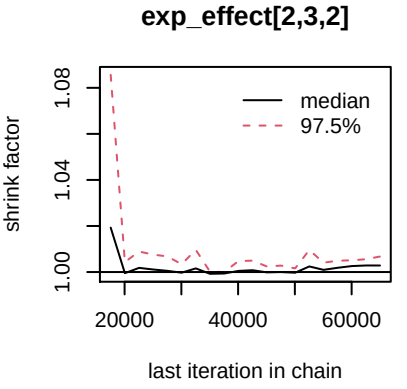

exp_effect[3,1,2]
median
97.5%
shrink factor
1.00
1.04
1.08
20000
40000
60000
last iteration in chain

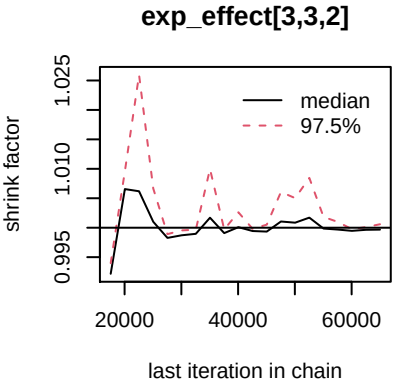

exp_effect[1,2,2]
median
97.5%
shrink factor
1.000
1.015
1.030
20000
40000
60000
last iteration in chain

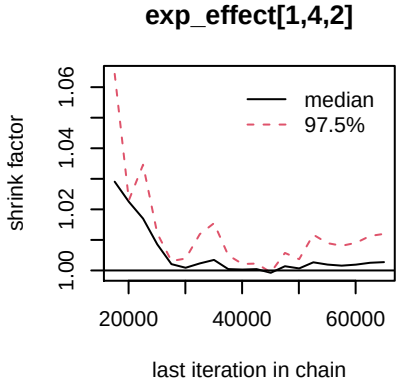

exp_effect[2,2,2]
median
97.5%
shrink factor
1.00
1.04
1.08
20000
40000
60000
last iteration in chain

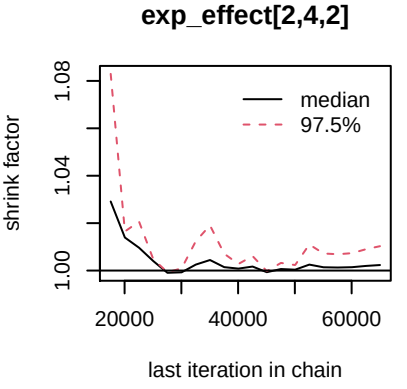

exp_effect[3,2,2]
median
97.5%
shrink factor
1.000
1.010
1.020
20000
40000
60000
last iteration in chain

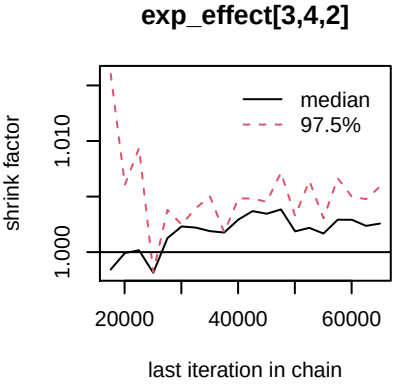

exp_effect[1,3,2]
median
97.5%
shrink factor
1.00
1.04
20000
40000
60000
last iteration in chain

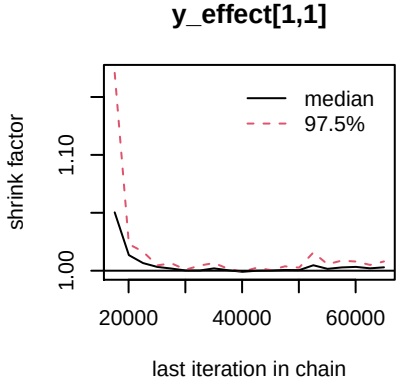

exp_effect[2,3,2]
median
97.5%
shrink factor
1.00
1.04
1.08
20000
40000
60000
last iteration in chain

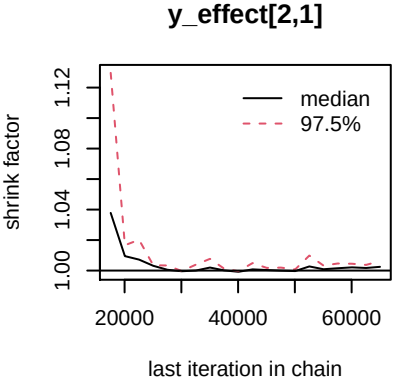

exp_effect[3,3,2]
median
97.5%
shrink factor
0.995
1.010
1.025
20000
40000
60000
last iteration in chain

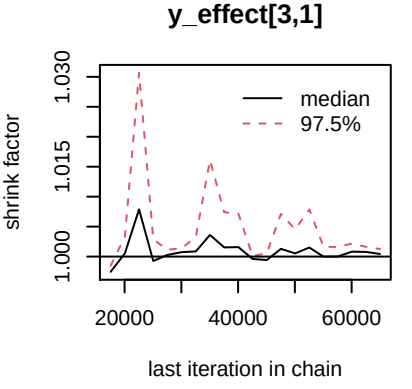

exp_effect[1,4,2]
median
97.5%
shrink factor
1.00
1.02
1.04
1.06
20000
40000
60000
last iteration in chain

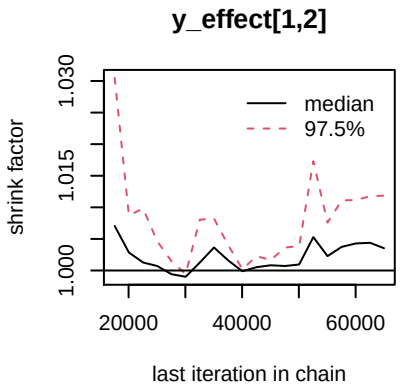

exp_effect[2,4,2]
median
97.5%
shrink factor
1.00
1.04
1.08
20000
40000
60000
last iteration in chain

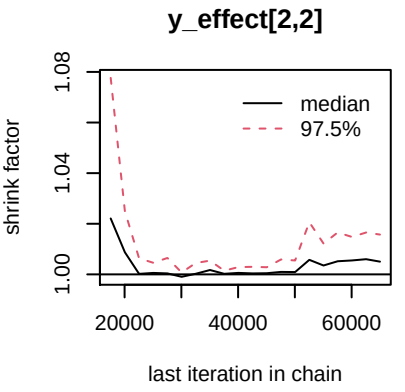

exp_effect[3,4,2]
median
97.5%
shrink factor
1.000
1.010
20000
40000
60000
last iteration in chain

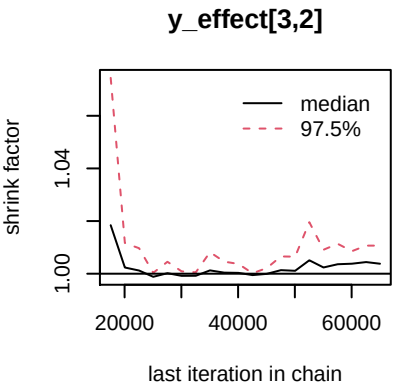

y_effect[1,1]
median
97.5%
shrink factor
1.00
1.10
20000
40000
60000
last iteration in chain


y_effect[2,1]
median
97.5%
shrink factor
1.00
1.04
1.08
1.12
20000
40000
60000
last iteration in chain


y_effect[3,1]
median
97.5%
shrink factor
1.000
1.015
1.030
20000
40000
60000
last iteration in chain


y_effect[1,2]
shrink factor
1.000
1.015
1.030
median
97.5%
20000
40000
60000
last iteration in chain


y_effect[2,2]
shrink factor
1.00
1.04
1.08
median
97.5%
20000
40000
60000
last iteration in chain


y_effect[3,2]
shrink factor
1.00
1.04
median
97.5%
20000
40000
60000
last iteration in chain