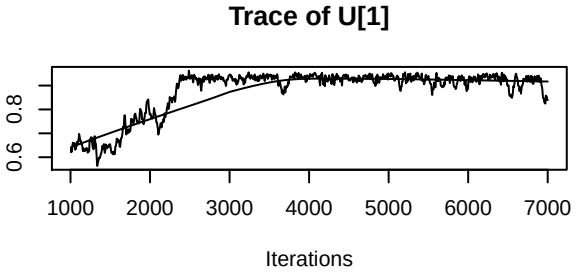
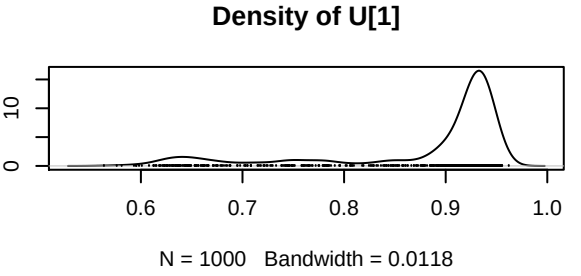
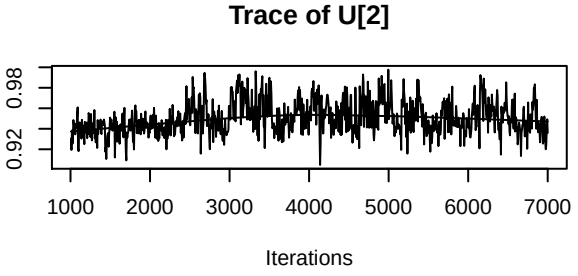
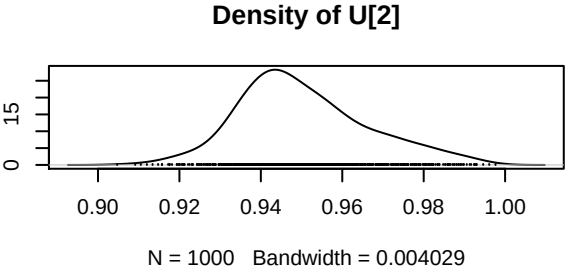
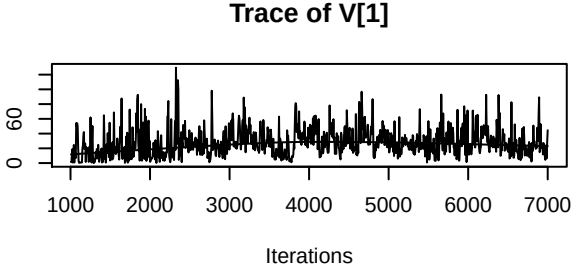
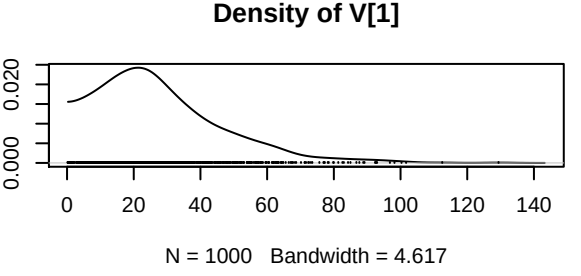

Trace of U[1]
0.6
0.8
1000
2000
3000
4000
5000
6000
7000
Iterations

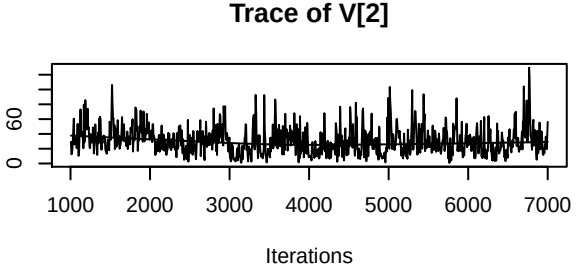

Density of U[1]
0
10
0.6
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.0118

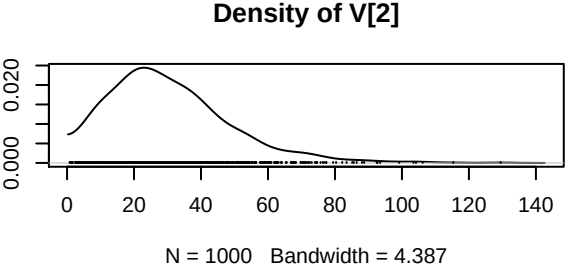

Trace of U[2]
0.92
0.98
1000
2000
3000
4000
5000
6000
7000
Iterations

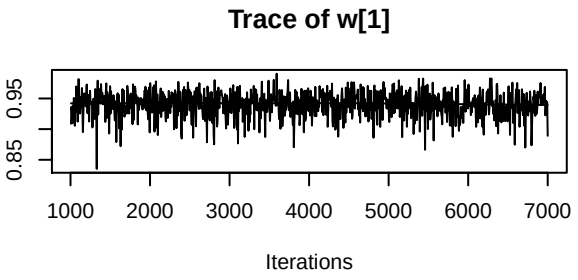

Density of U[2]
0
15
0.90
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.004029

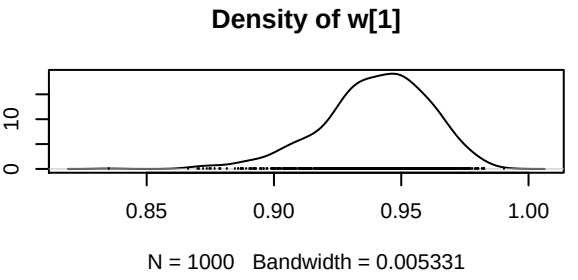

Trace of V[1]
0
60
1000
2000
3000
4000
5000
6000
7000
Iterations

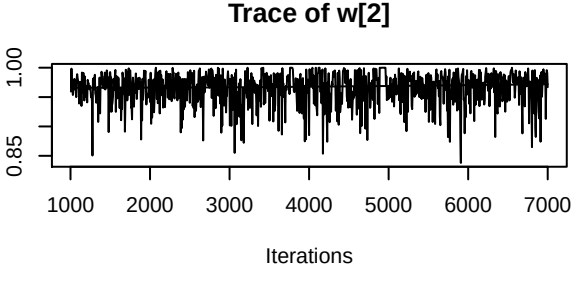

Density of V[1]
0.000
0.020
0
20
40
60
80
100
120
140
N = 1000 Bandwidth = 4.617

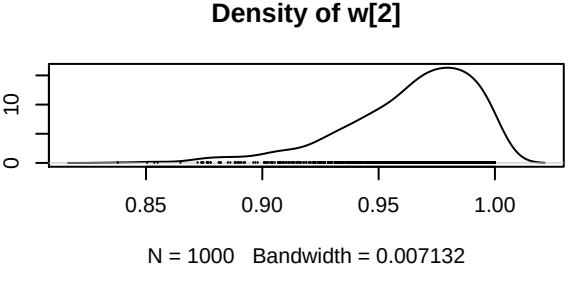

Trace of V[2]
0
60
1000
2000
3000
4000
5000
6000
7000
Iterations

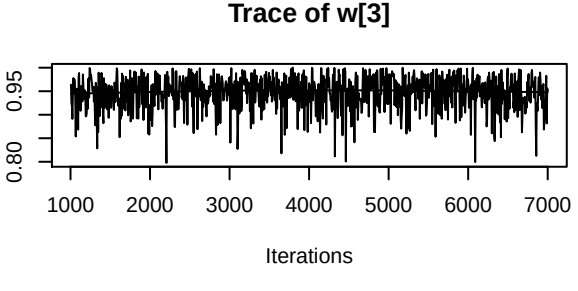

Density of V[2]
0.000
0.020
0
20
40
60
80
100
120
140
N = 1000 Bandwidth = 4.387

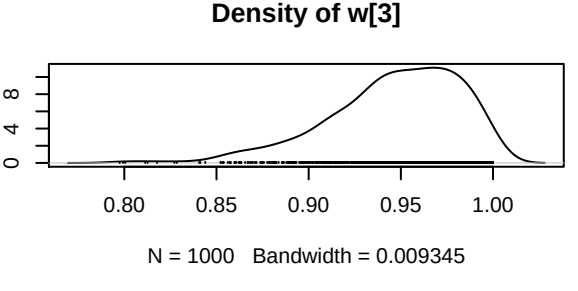

Trace of w[1]
0.85
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of w[1]
0
10
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.005331


Trace of w[2]
0.85
1.00
1000
2000
3000
4000
5000
6000
7000
Iterations

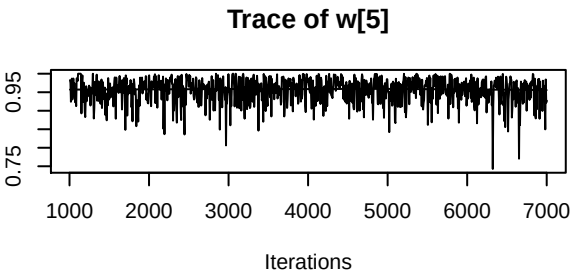

Density of w[2]
0
10
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.007132

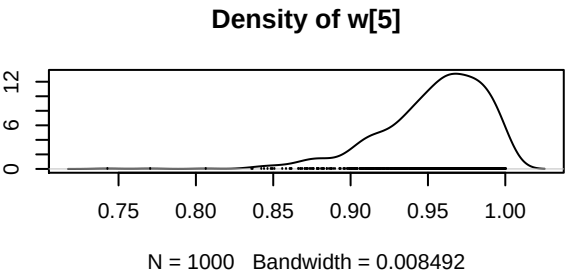

Trace of w[3]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

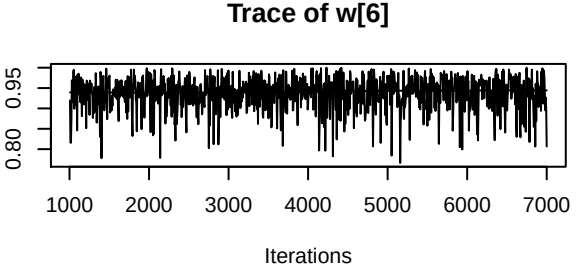

Density of w[3]
0
4
8
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.009345

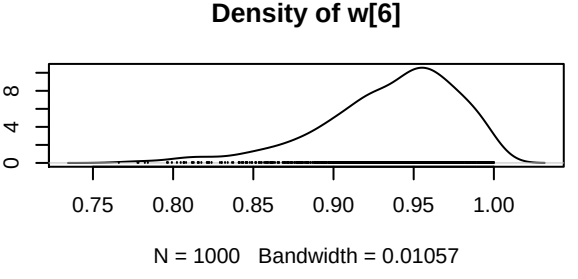
Trace of w[4]
0.90
0.96
1000
2000
3000
4000
5000
6000
7000
Iterations

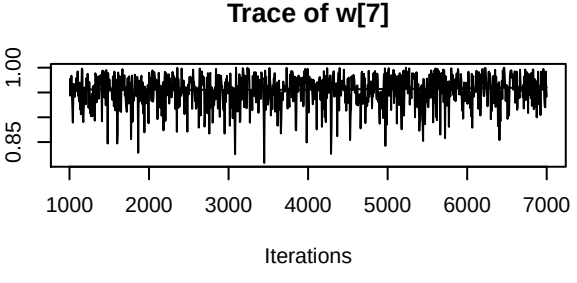
Density of w[4]
0
10
25
0.90
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.004232

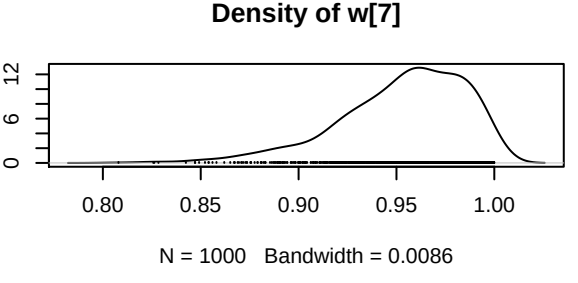

Trace of w[5]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

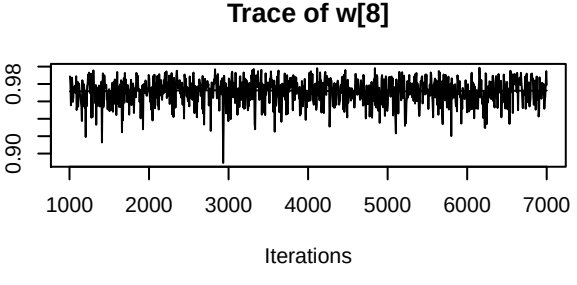

Density of w[5]
0
6
12
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.008492

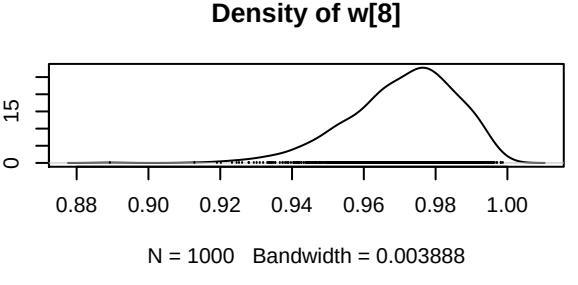

Trace of w[6]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

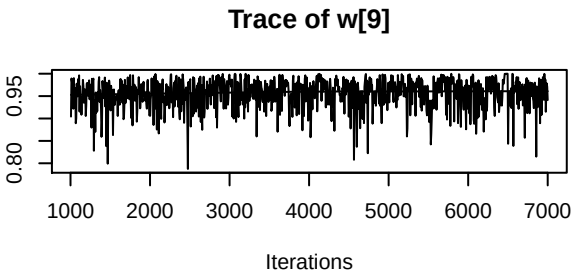

Density of w[6]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.01057

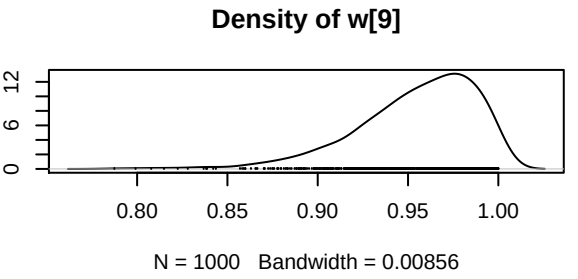

Trace of w[7]
0.85
1.00
1000
2000
3000
4000
5000
6000
7000
Iterations

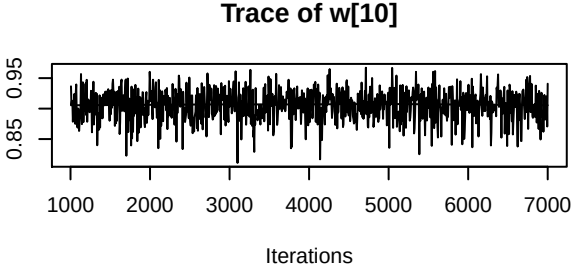

Density of w[7]
0
6
12
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.0086

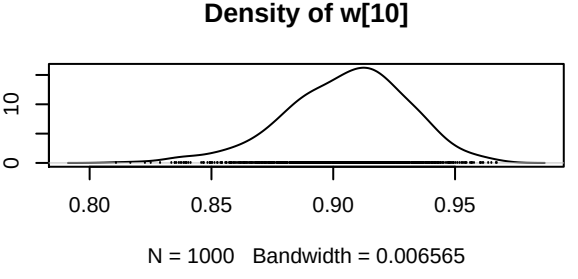

Trace of w[8]
0.90
0.98
1000
2000
3000
4000
5000
6000
7000
Iterations

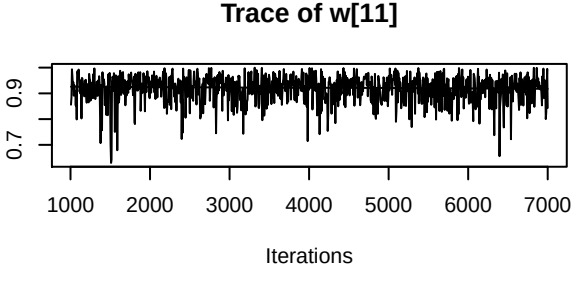

Density of w[8]
0
15
0.88
0.90
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.003888

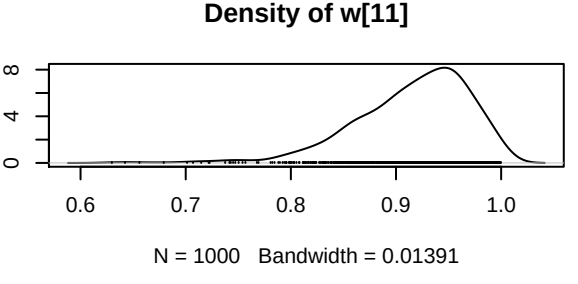

Trace of w[9]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

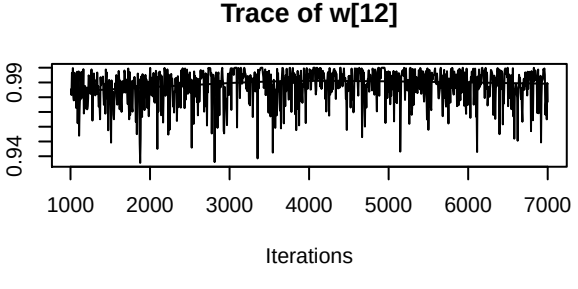

Density of w[9]
0
6
12
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.00856

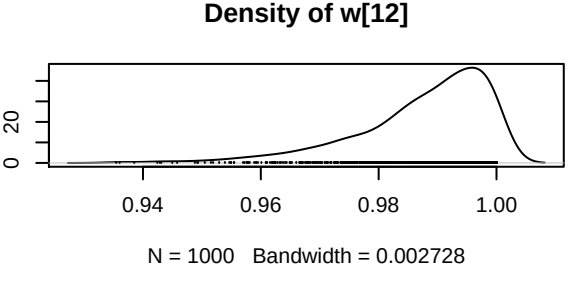

Trace of w[10]
0.85
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

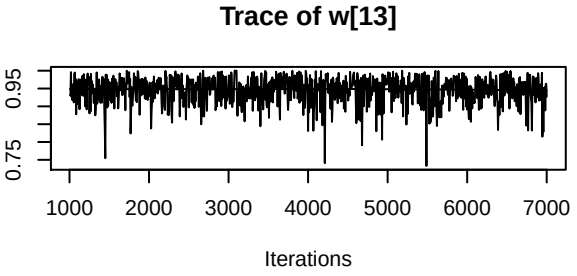

Density of w[10]
0
10
0.80
0.85
0.90
0.95
N = 1000 Bandwidth = 0.006565

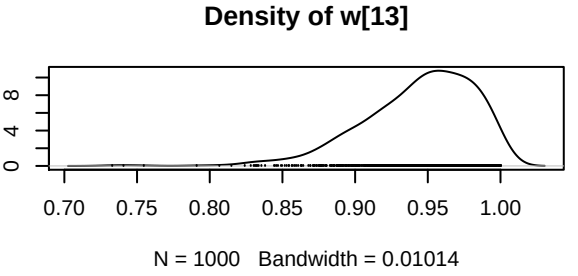

Trace of w[11]
0.7
0.9
1000
2000
3000
4000
5000
6000
7000
Iterations

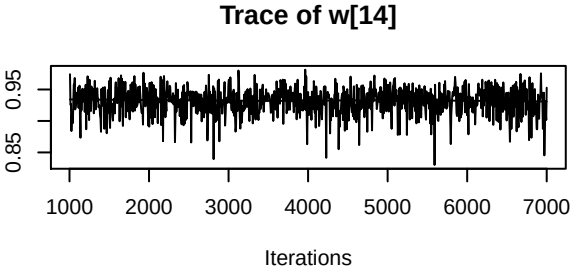

Density of w[11]
0
4
8
0.6
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.01391

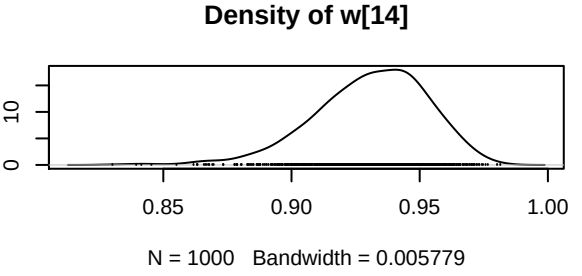

Trace of w[12]
0.94
0.99
1000
2000
3000
4000
5000
6000
7000
Iterations

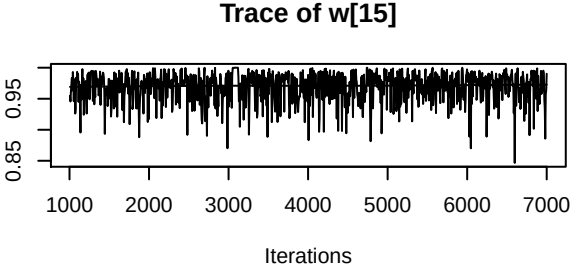

Density of w[12]
0
20
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.002728

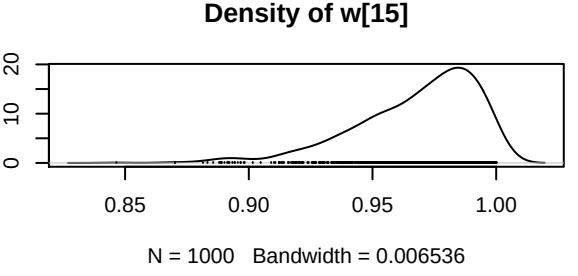

Trace of w[13]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

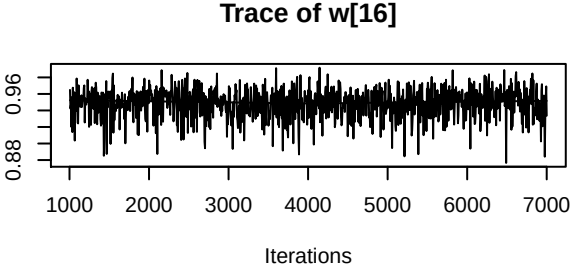

Density of w[13]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.01014

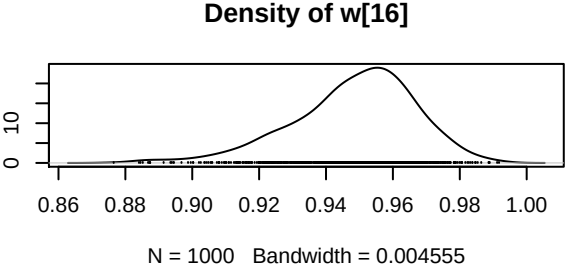

Trace of w[14]
0.85
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

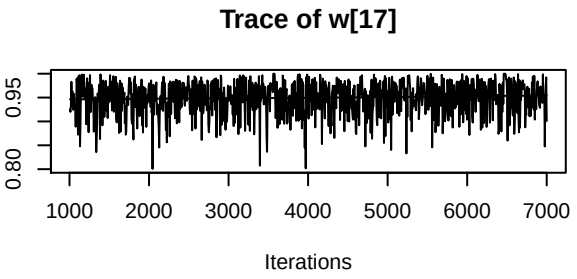

Density of w[14]
0
10
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.005779

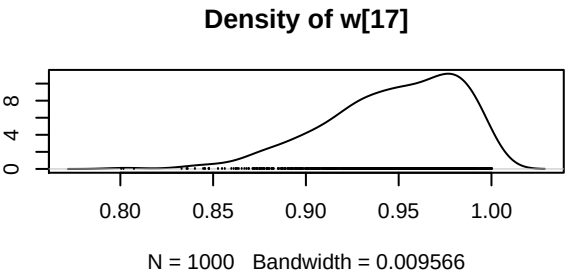

Trace of w[15]
0.85
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

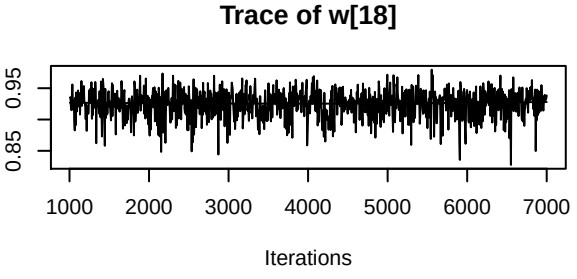

Density of w[15]
0
10
20
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.006536

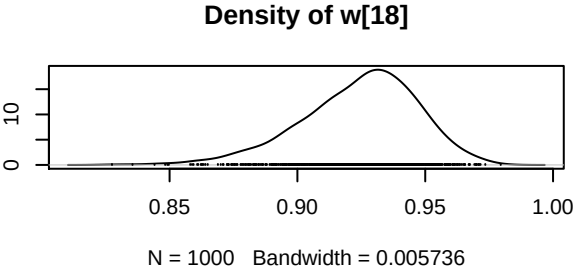

Trace of w[16]
0.88
0.96
1000
2000
3000
4000
5000
6000
7000
Iterations

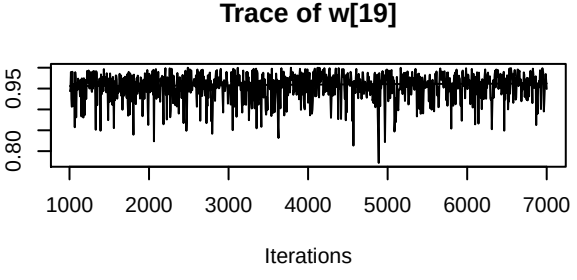

Density of w[16]
0
10
0.86
0.88
0.90
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.004555

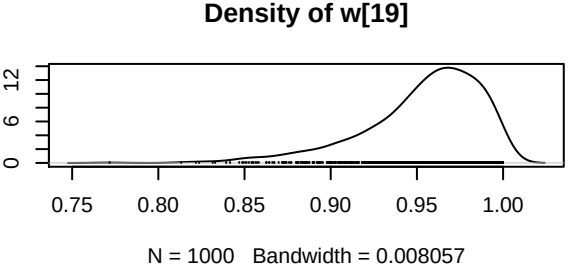

Trace of w[17]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

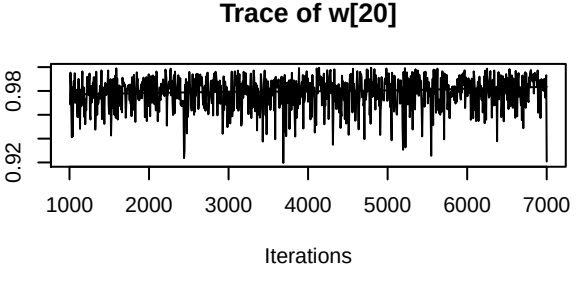

Density of w[17]
0
4
8
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.009566

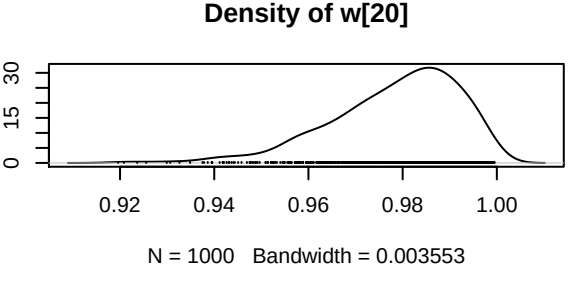

Trace of w[18]
0.85
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

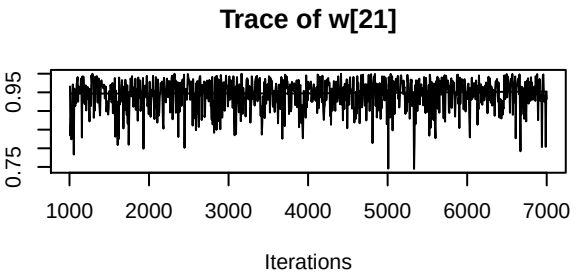

Density of w[18]
0
10
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.005736

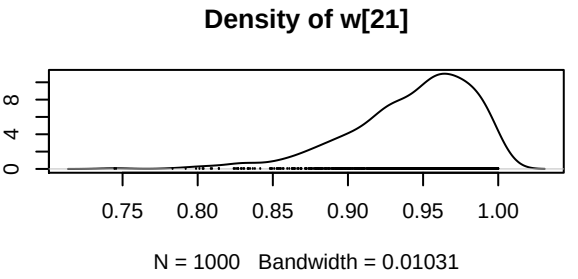

Trace of w[19]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

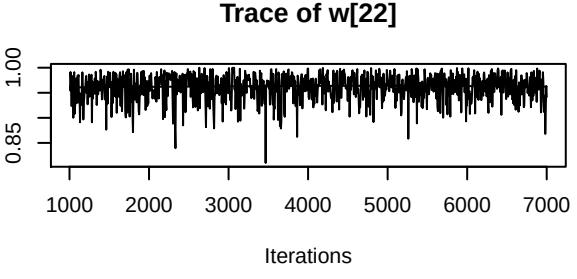

Density of w[19]
0
6
12
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.008057

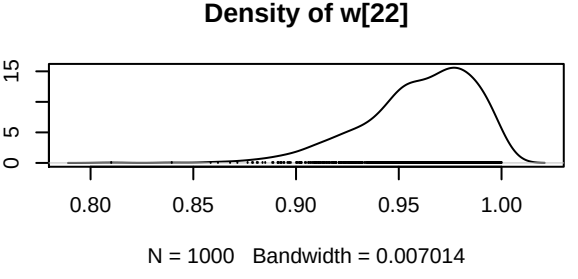

Trace of w[20]
0.92
0.98
1000
2000
3000
4000
5000
6000
7000
Iterations

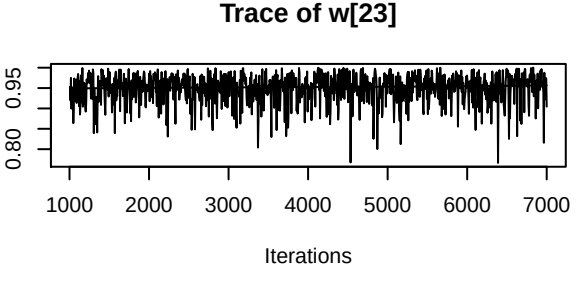

Density of w[20]
0
15
30
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.003553

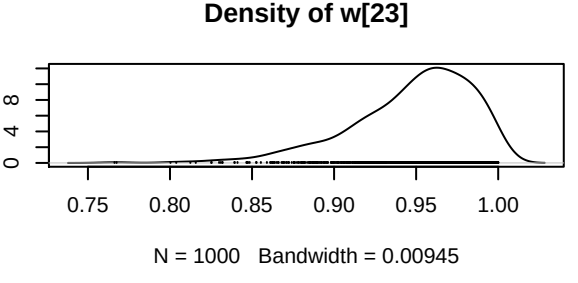

Trace of w[21]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

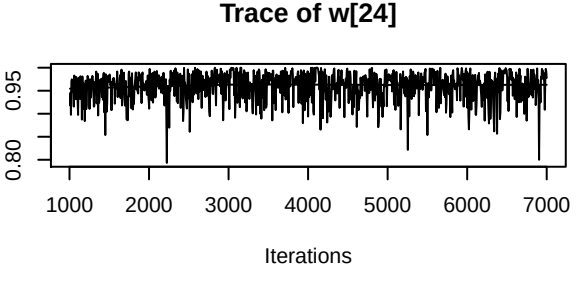

Density of w[21]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.01031

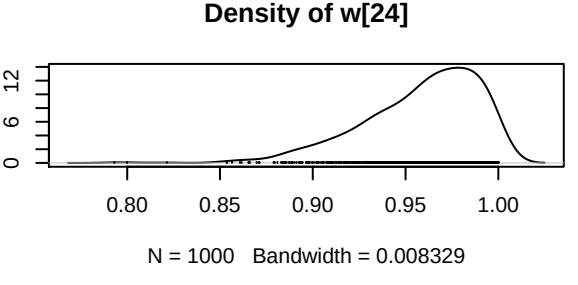

Trace of w[22]
0.85
1.00
1000
2000
3000
4000
5000
6000
7000
Iterations

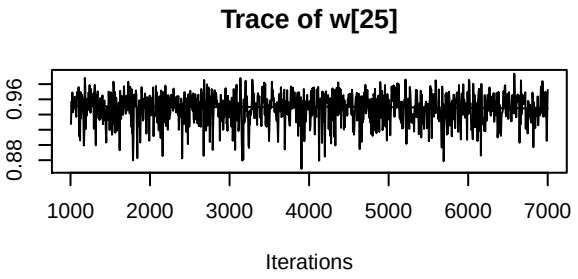

Density of w[22]
0
5
15
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.007014

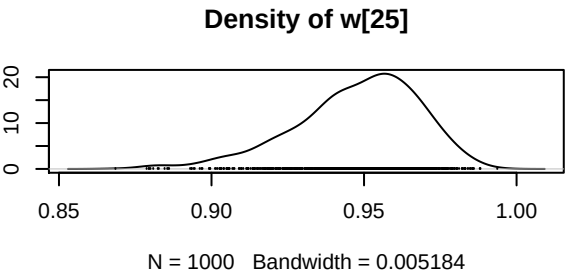

Trace of w[23]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

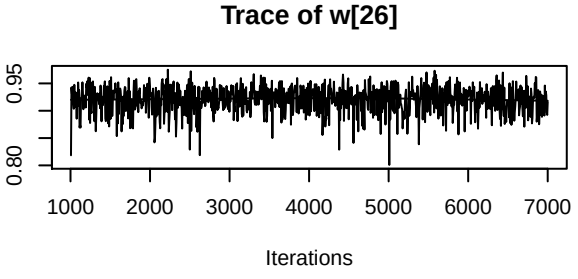

Density of w[23]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.00945

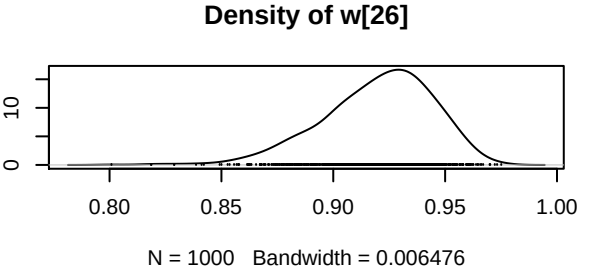

Trace of w[24]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

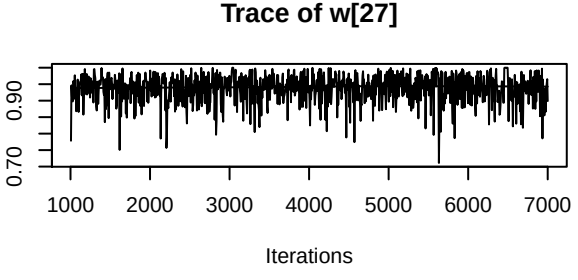

Density of w[24]
0
6
12
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.008329

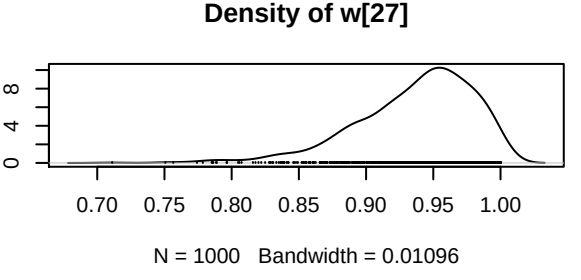

Trace of w[25]
0.88
0.96
1000
2000
3000
4000
5000
6000
7000
Iterations

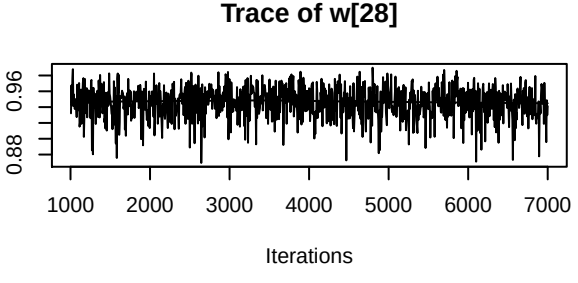

Density of w[25]
0
10
20
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.005184

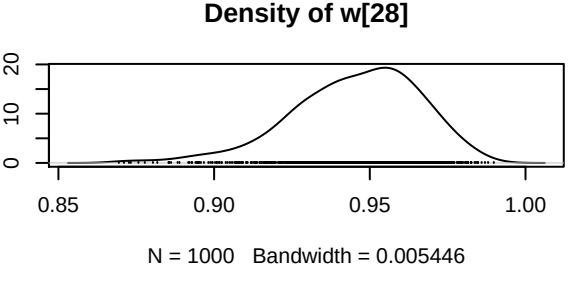

Trace of w[26]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

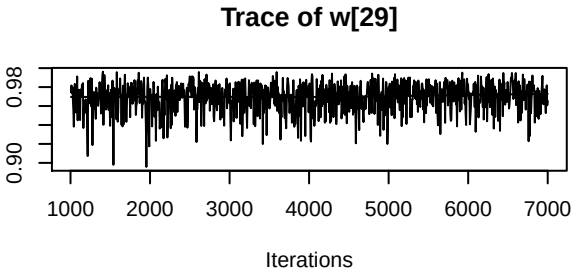

Density of w[26]
0
10
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.006476

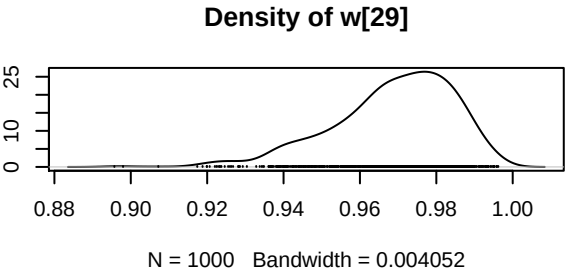

Trace of w[27]
0.70
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

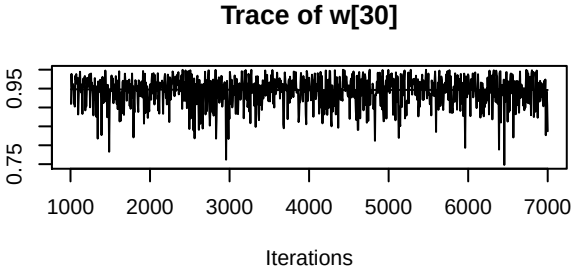

Density of w[27]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.01096

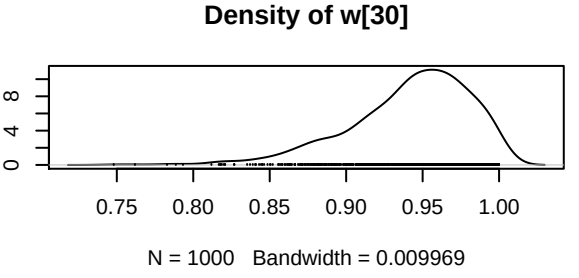

Trace of w[28]
0.88
0.96
1000
2000
3000
4000
5000
6000
7000
Iterations

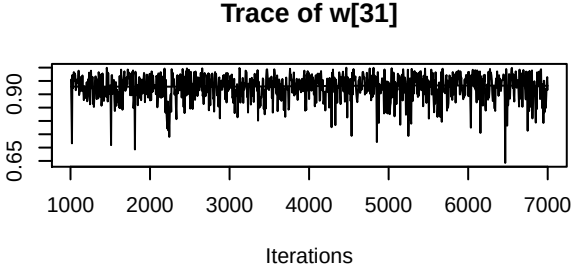

Density of w[28]
0
10
20
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.005446

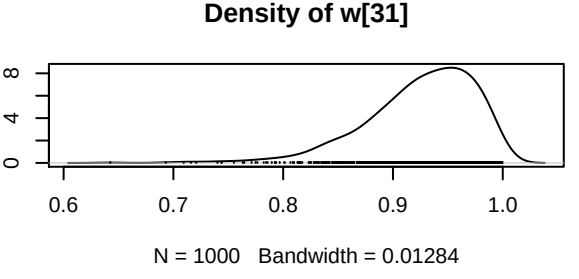

Trace of w[29]
0.90
0.98
1000
2000
3000
4000
5000
6000
7000
Iterations

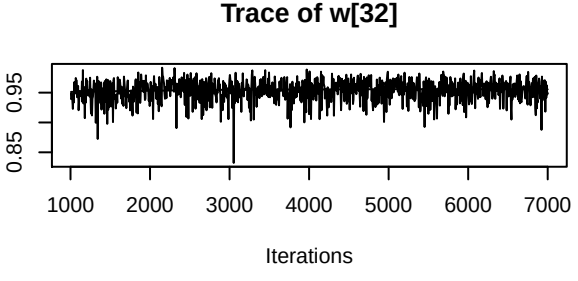

Density of w[29]
0
10
25
0.88
0.90
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.004052

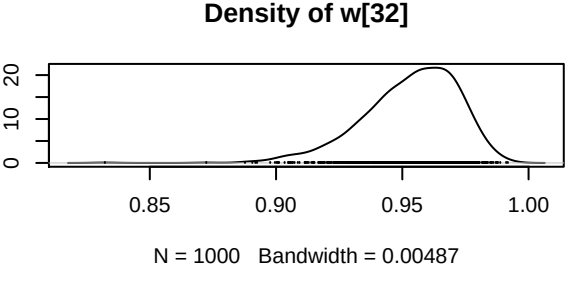

Trace of w[30]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

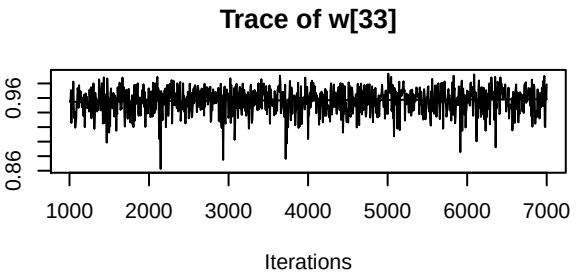

Density of w[30]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.009969

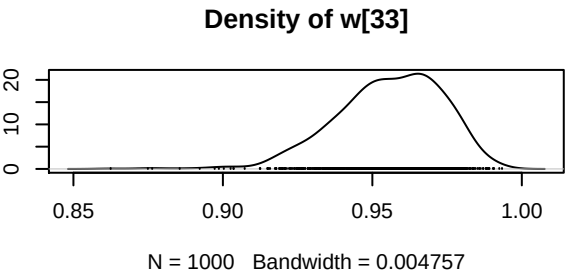

Trace of w[31]
0.65
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

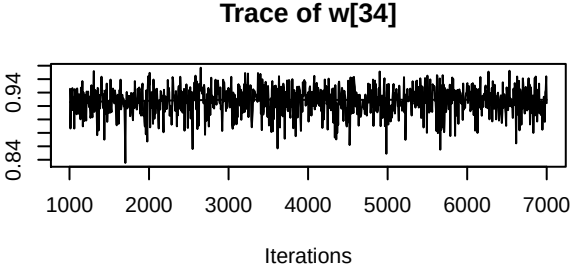

Density of w[31]
0
4
8
0.6
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.01284

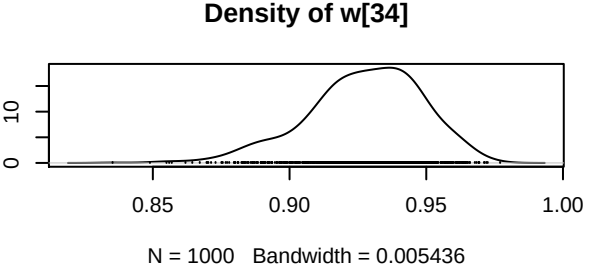

Trace of w[32]
0.85
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

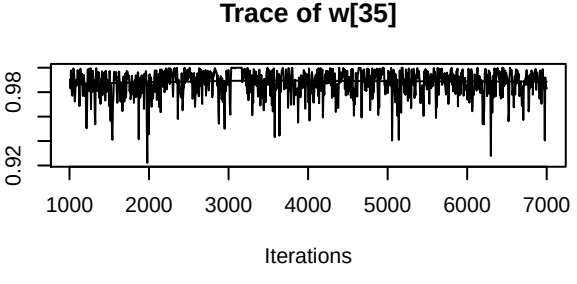

Density of w[32]
0
10
20
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.00487

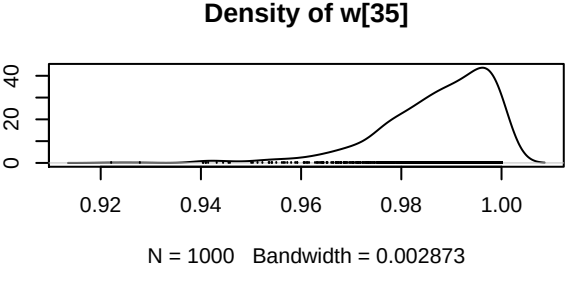

Trace of w[33]
0.86
0.96
1000
2000
3000
4000
5000
6000
7000
Iterations

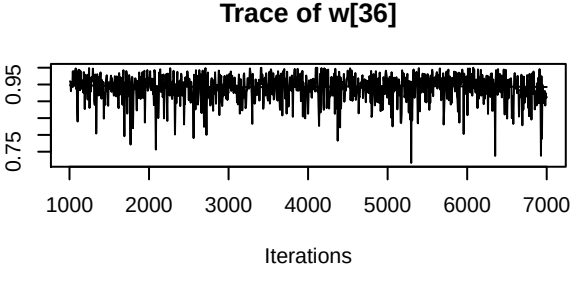

Density of w[33]
0
10
20
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.004757

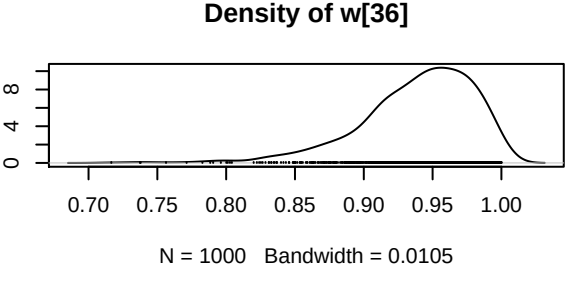

Trace of w[34]
0.84
0.94
1000
2000
3000
4000
5000
6000
7000
Iterations

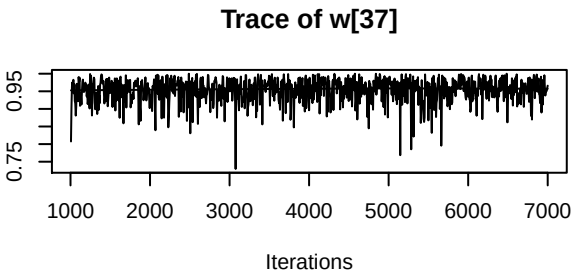

Density of w[34]
0
10
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.005436

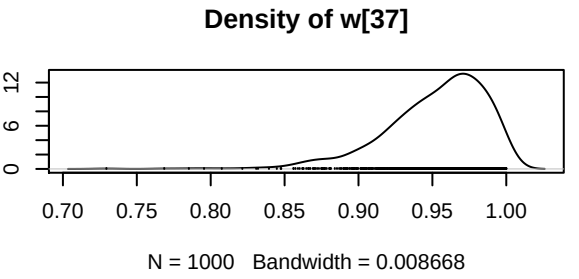

Trace of w[35]
0.92
0.98
1000
2000
3000
4000
5000
6000
7000
Iterations

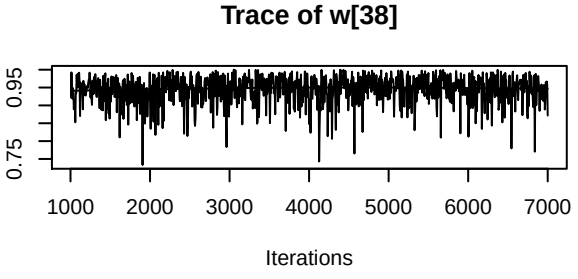

Density of w[35]
0
20
40
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.002873

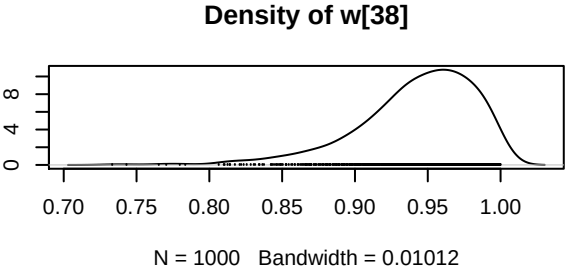

Trace of w[36]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

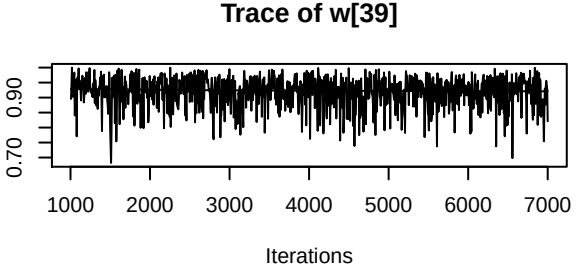

Density of w[36]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.0105

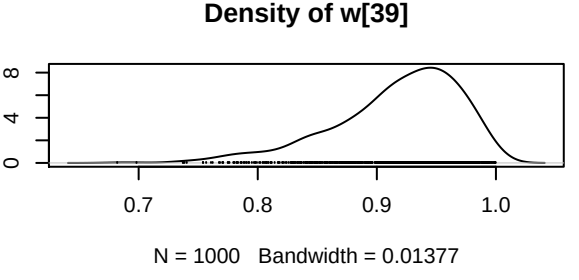

Trace of w[37]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

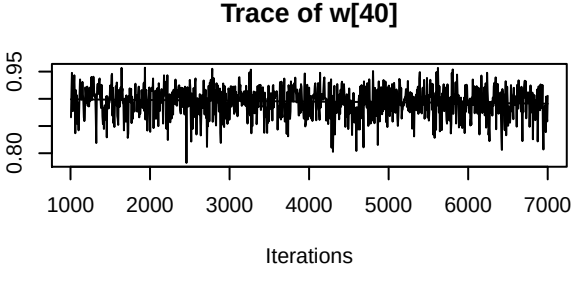

Density of w[37]
0
6
12
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.008668

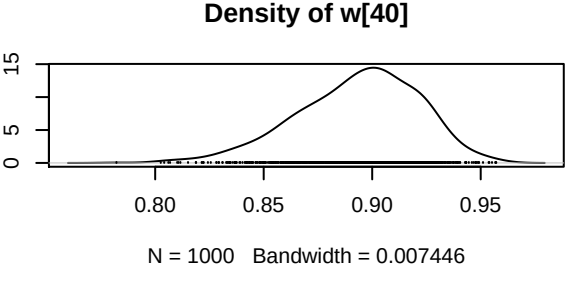

Trace of w[38]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

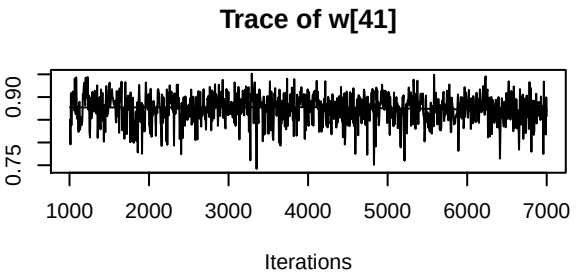

Density of w[38]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.01012

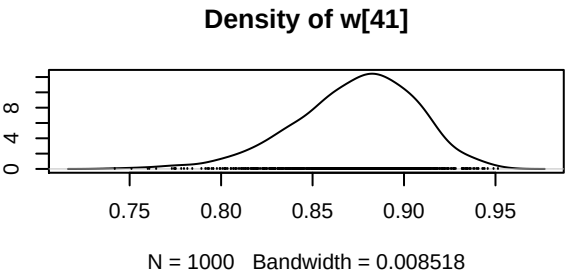

Trace of w[39]
0.70
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

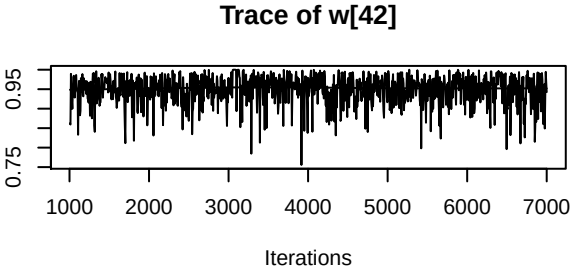

Density of w[39]
0
4
8
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.01377

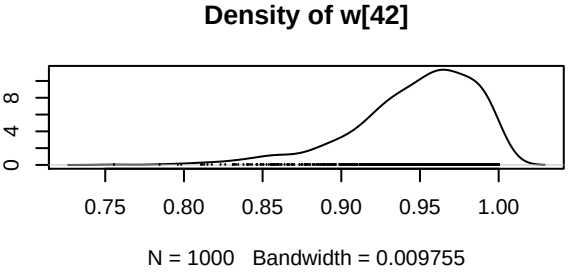

Trace of w[40]
0.80
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

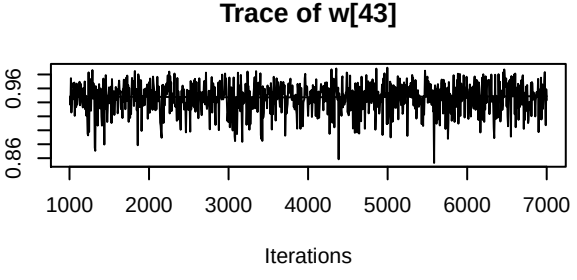

Density of w[40]
0
5
15
0.80
0.85
0.90
0.95
N = 1000 Bandwidth = 0.007446

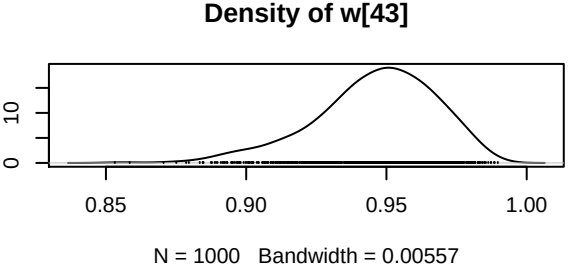

Trace of w[41]
0.75
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

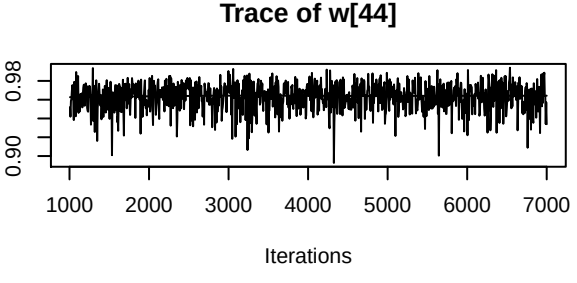

Density of w[41]
0
4
8
0.75
0.80
0.85
0.90
0.95
N = 1000 Bandwidth = 0.008518

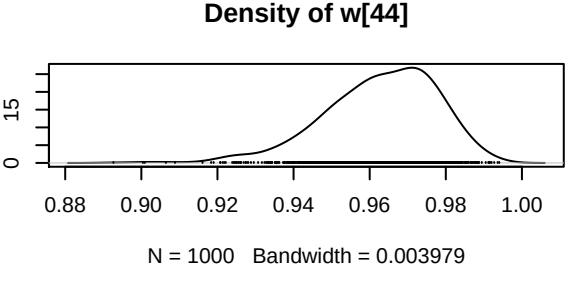

Trace of w[42]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

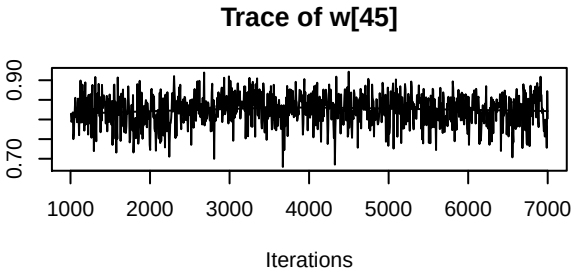

Density of w[42]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.009755

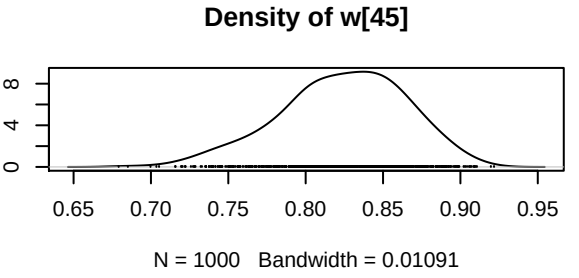

Trace of w[43]
0.86
0.96
1000
2000
3000
4000
5000
6000
7000
Iterations

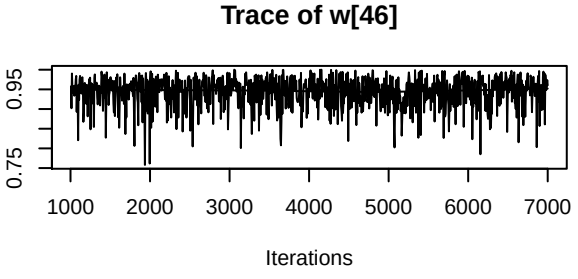

Density of w[43]
0
10
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.00557

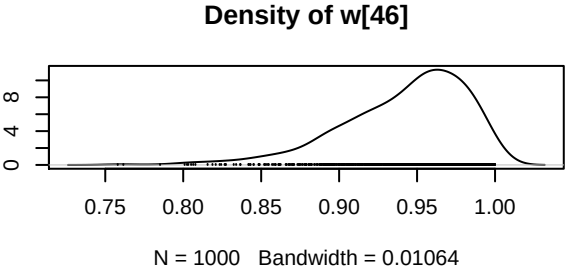

Trace of w[44]
0.90
0.98
1000
2000
3000
4000
5000
6000
7000
Iterations

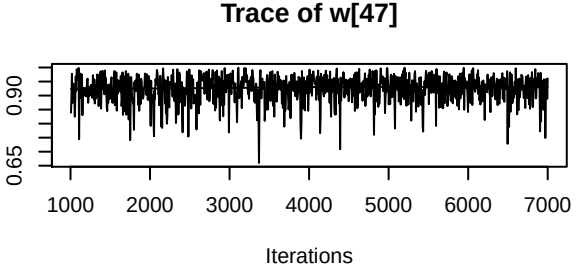

Density of w[44]
0
15
0.88
0.90
0.92
0.94
0.96
0.98
1.00
N = 1000 Bandwidth = 0.003979

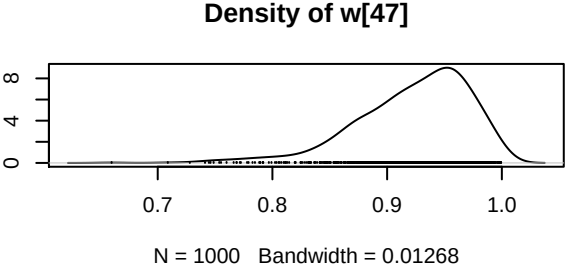

Trace of w[45]
0.70
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

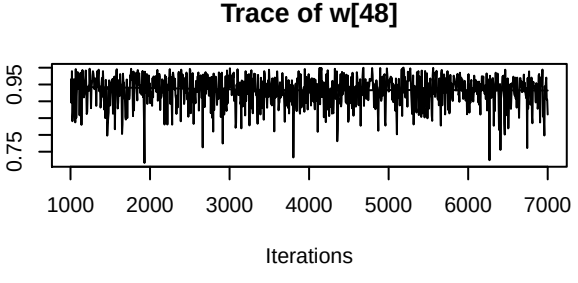

Density of w[45]
0
4
8
0.65
0.70
0.75
0.80
0.85
0.90
0.95
N = 1000 Bandwidth = 0.01091

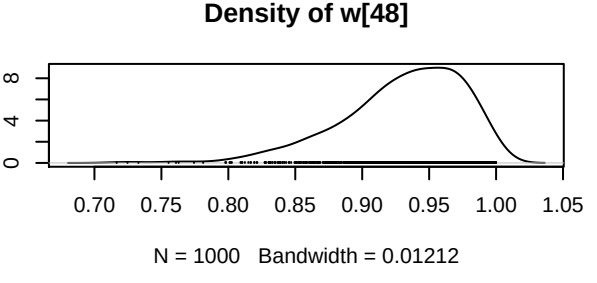

Trace of w[46]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

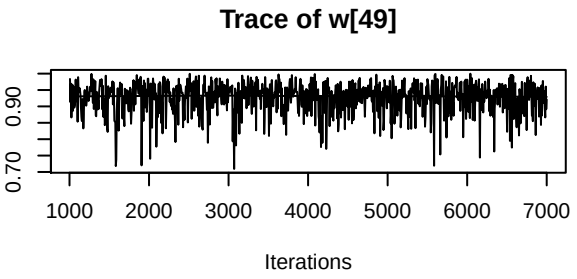

Density of w[46]
0
4
8
0.75
0.80
0.85
0.90
0.95
1.00
N = 1000 Bandwidth = 0.01064

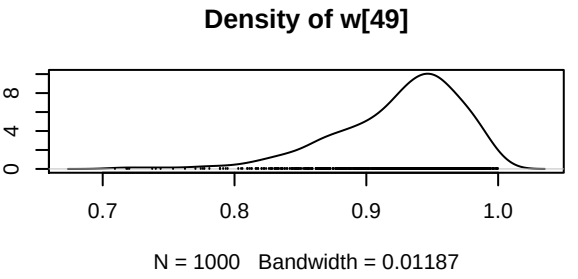

Trace of w[47]
0.65
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

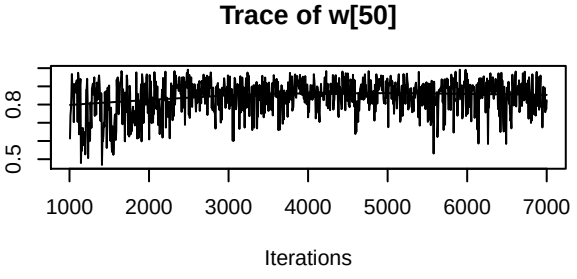

Density of w[47]
0
4
8
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.01268

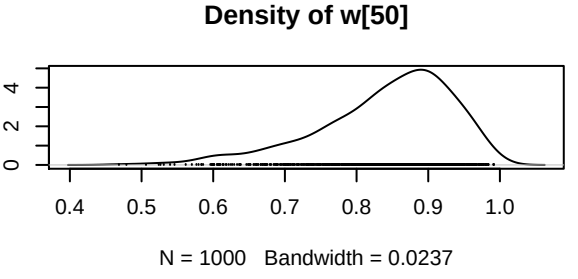

Trace of w[48]
0.75
0.95
1000
2000
3000
4000
5000
6000
7000
Iterations

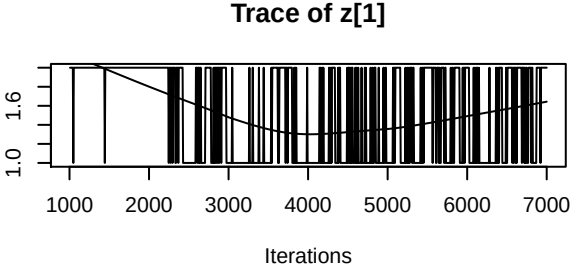

Density of w[48]
0
4
8
0.70
0.75
0.80
0.85
0.90
0.95
1.00
1.05
N = 1000 Bandwidth = 0.01212

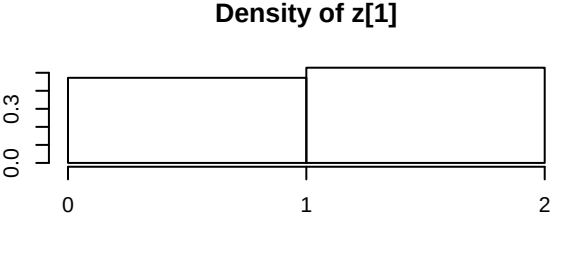

Trace of w[49]
0.70
0.90
1000
2000
3000
4000
5000
6000
7000
Iterations

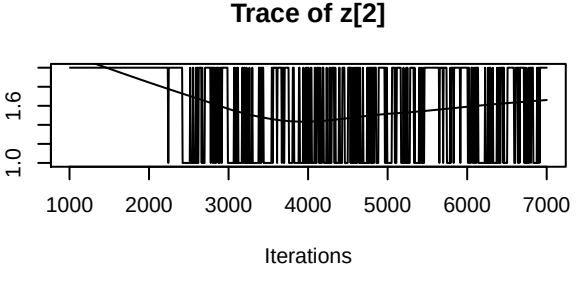

Density of w[49]
0
4
8
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.01187

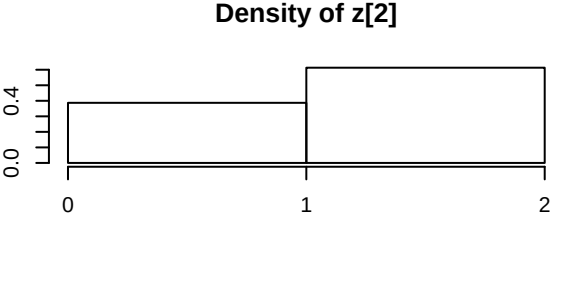

Trace of w[50]
0.5
0.8
1000
2000
3000
4000
5000
6000
7000
Iterations

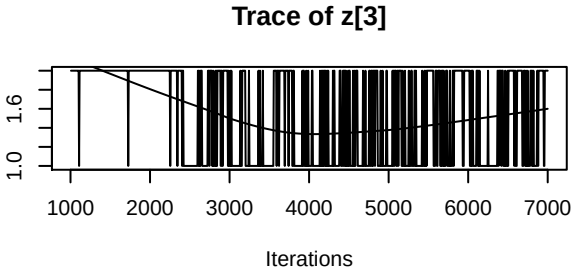

Density of w[50]
0
2
4
0.4
0.5
0.6
0.7
0.8
0.9
1.0
N = 1000 Bandwidth = 0.0237

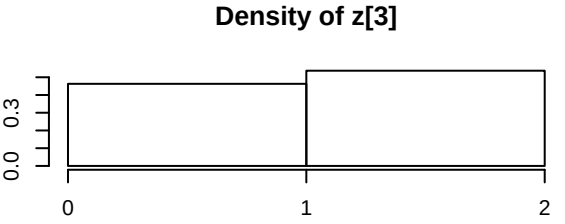

Trace of z[1]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

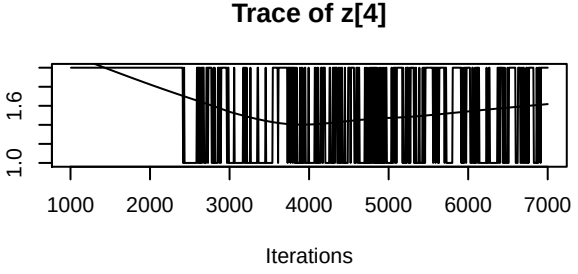

Density of z[1]
0.0
0.3
0
1
2

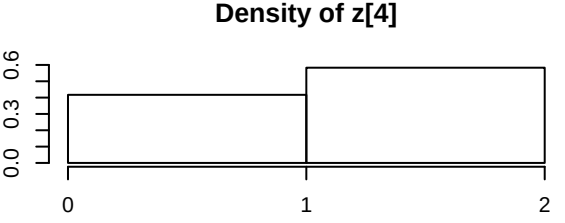

Trace of z[2]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

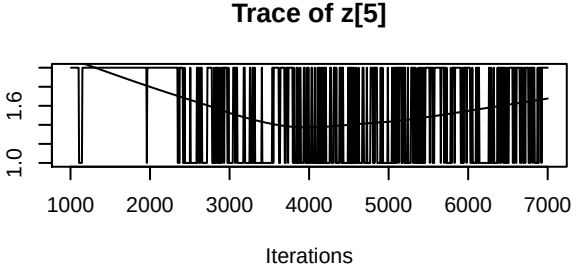

Density of z[2]
0.0
0.4
0
1
2

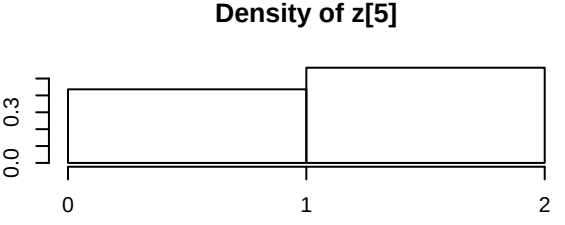

Trace of z[3]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

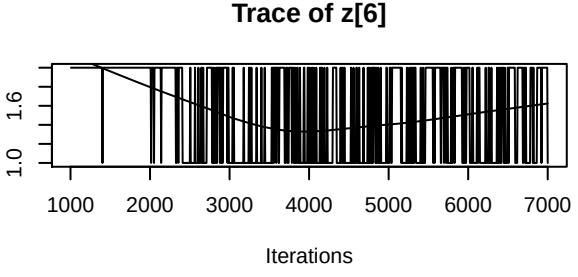

Density of z[3]
0.0
0.3
0
1
2

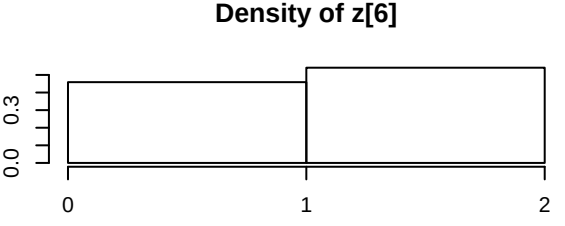

Trace of z[4]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

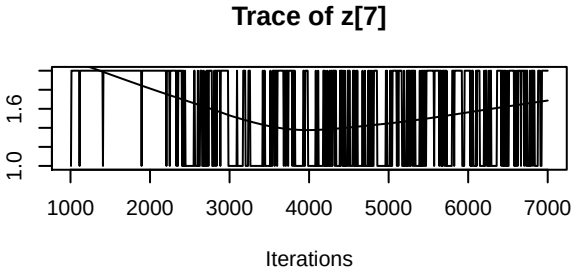

Density of z[4]
0.0
0.3
0.6
0
1
2

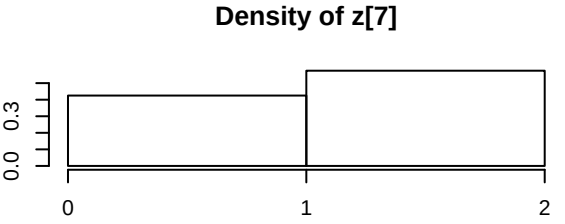

Trace of z[5]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

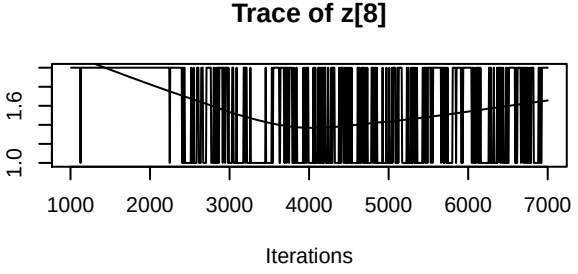

Density of z[5]
0.0
0.3
0
1
2

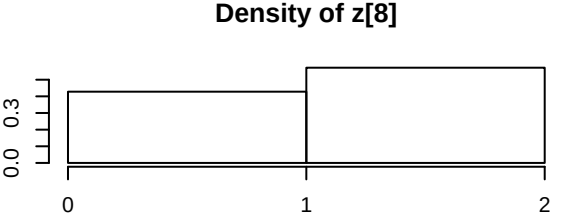

Trace of z[6]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

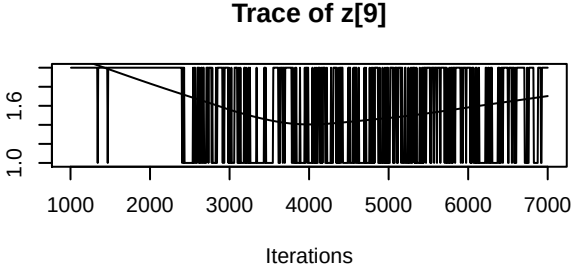

Density of z[6]
0.0
0.3
0
1
2

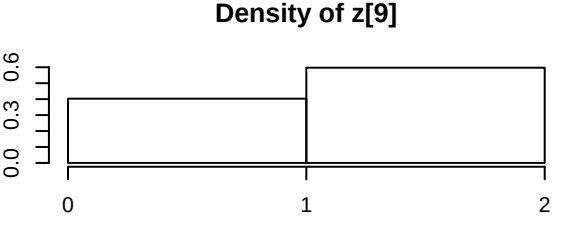

Trace of z[7]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

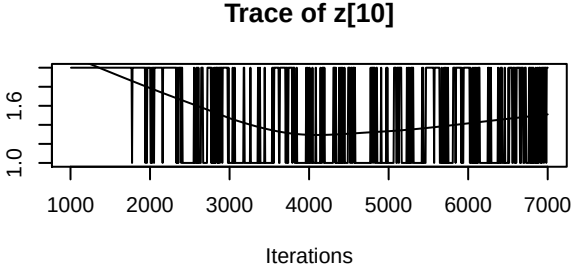

Density of z[7]
0.0
0.3
0
1
2

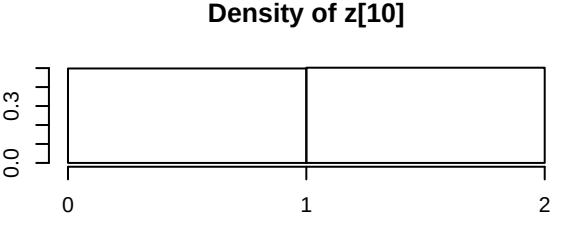

Trace of z[8]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

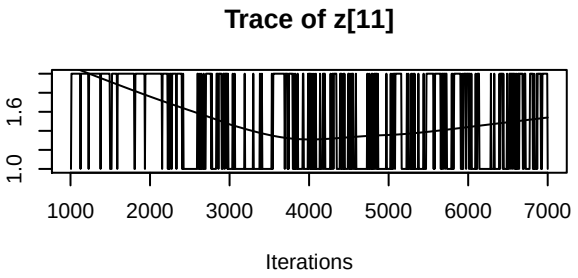

Density of z[8]
0.0
0.3
0
1
2

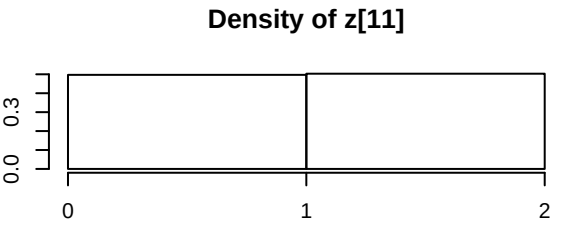

Trace of z[9]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

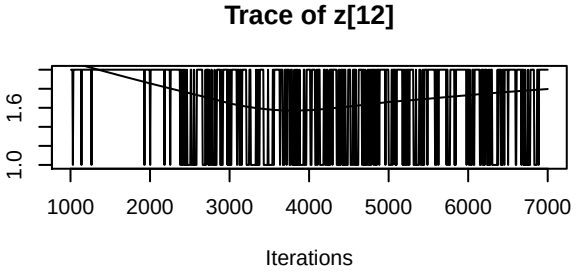

Density of z[9]
0.0
0.3
0.6
0
1
2


Trace of z[10]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[10]
0.0
0.3
0
1
2


Trace of z[11]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[11]
0.0
0.3
0
1
2


Trace of z[12]
1.0
1.6
1000
2000
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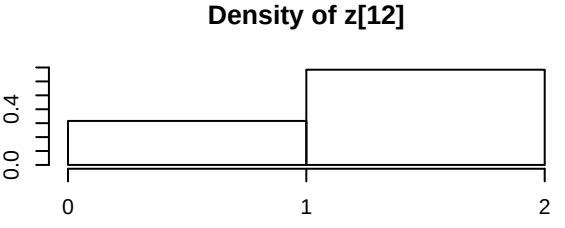
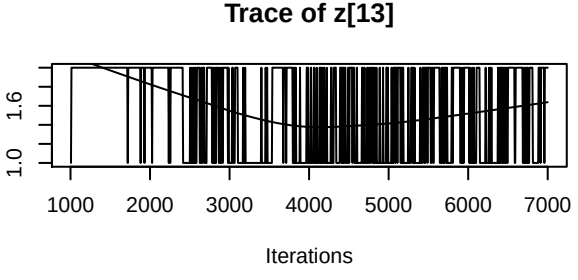
4000
5000
6000
7000
Iterations


Density of z[12]
0.0
0.4
0
1
2


Trace of z[13]
1.0
1.6
1000
2000
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4000
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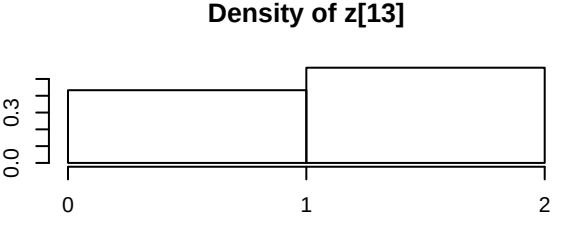
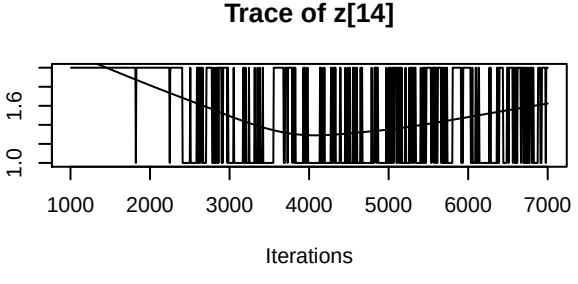
6000
7000
Iterations


Density of z[13]
0.0
0.3
0
1
2


Trace of z[14]
1.0
1.6
1000
2000
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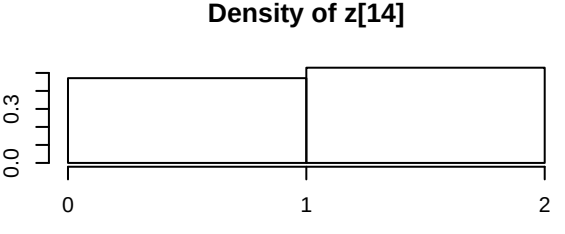
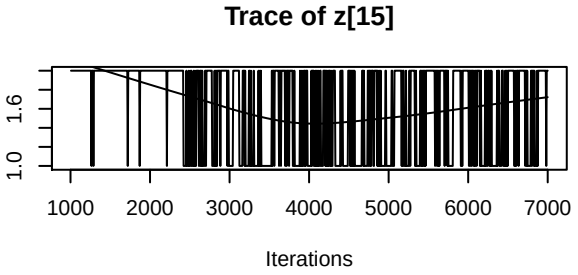
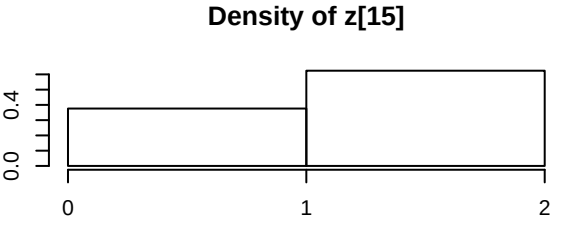
6000
7000
Iterations


Density of z[14]
0.0
0.3
0
1
2


Trace of z[15]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[15]
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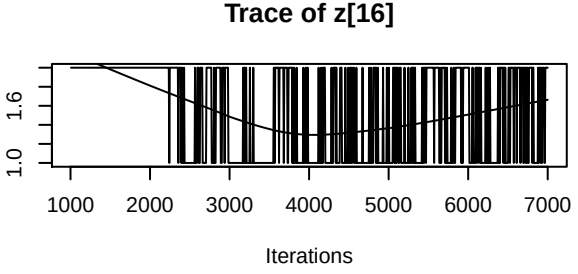
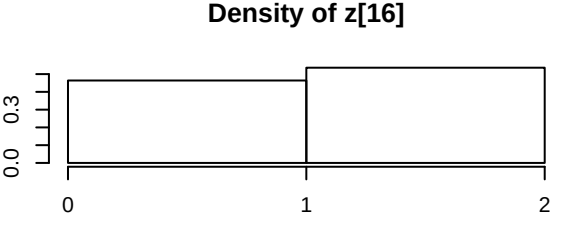
0.4
0
1
2


Trace of z[16]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[16]
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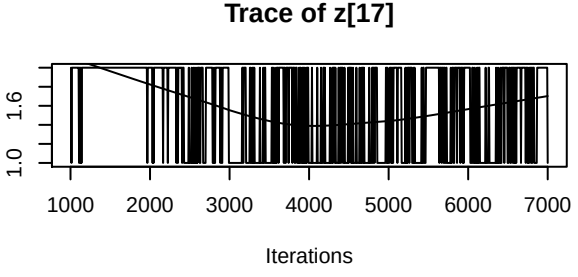
0.3
0
1
2


Trace of z[17]
1.0
1.6
1000
2000
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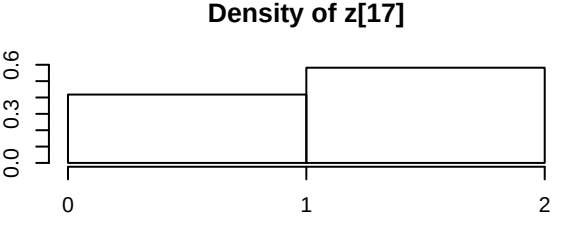
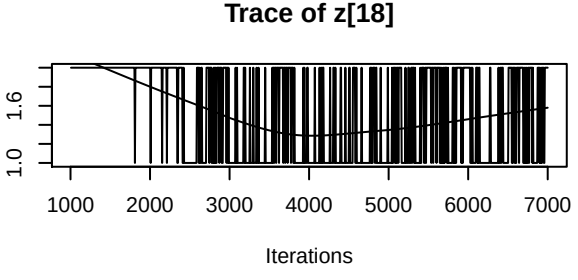
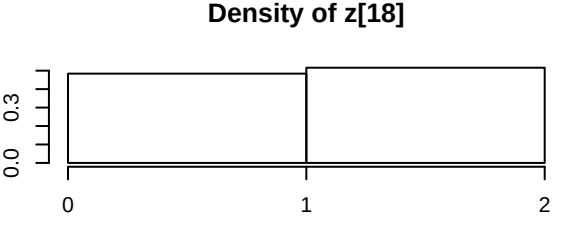
6000
7000
Iterations


Density of z[17]
0.0
0.3
0.6
0
1
2


Trace of z[18]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[18]
0.0
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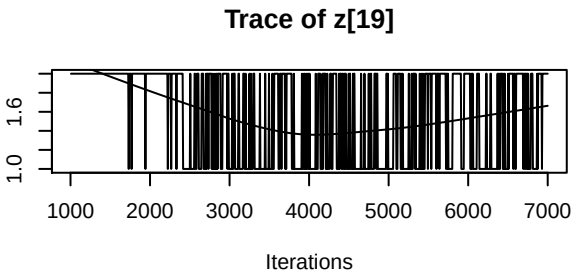
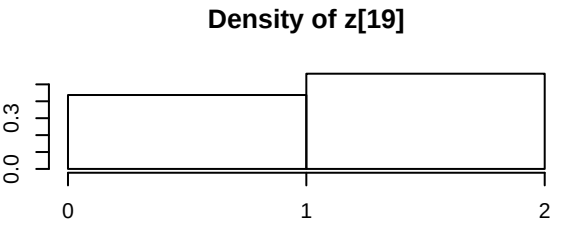
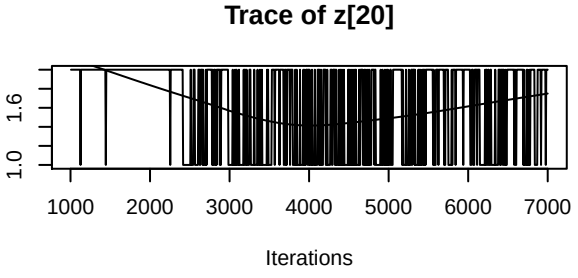
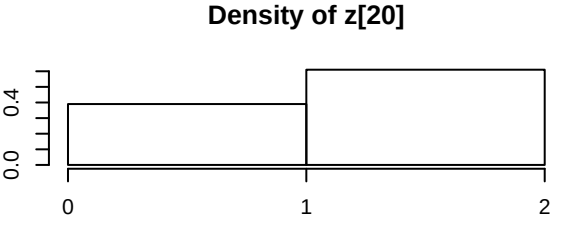
0
1
2


Trace of z[19]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[19]
0.0
0.3
0
1
2


Trace of z[20]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[20]
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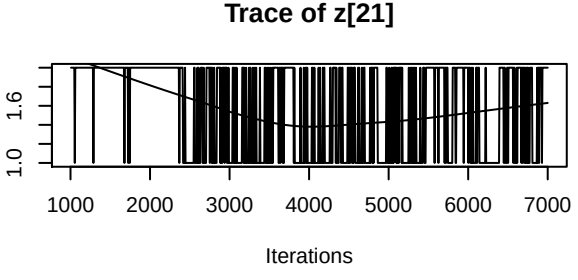
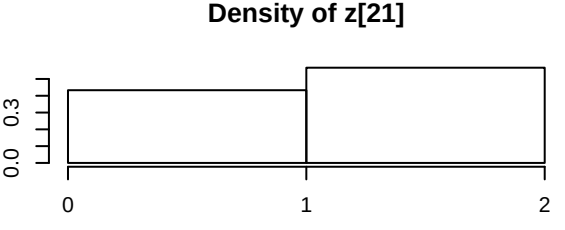
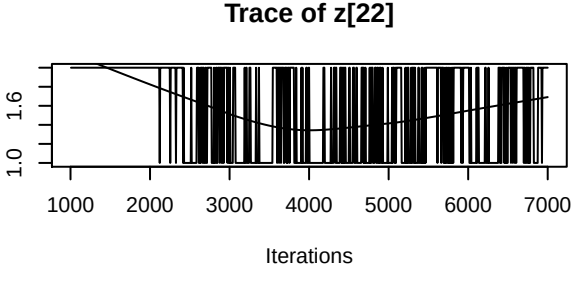
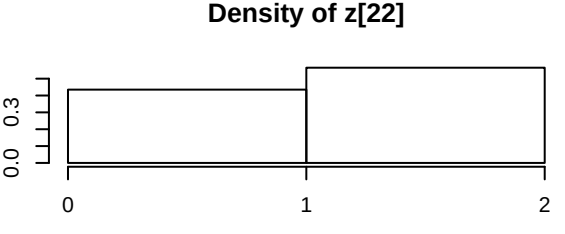
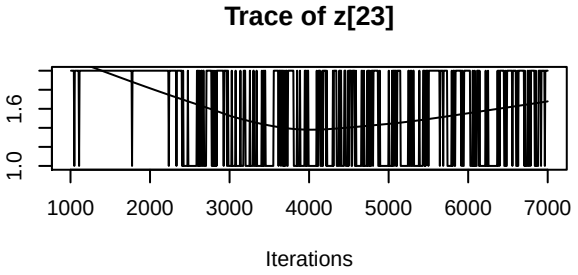
0
1
2


Trace of z[21]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[21]
0.0
0.3
0
1
2


Trace of z[22]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[22]
0.0
0.3
0
1
2


Trace of z[23]
1.0
1.6
1000
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3000
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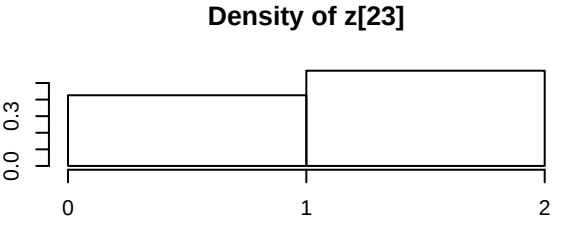
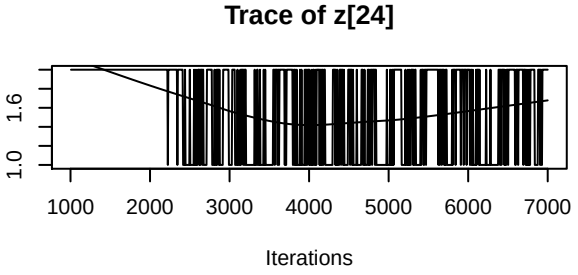
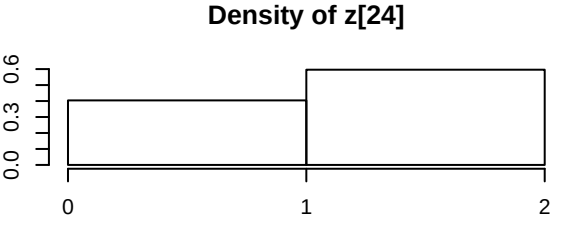
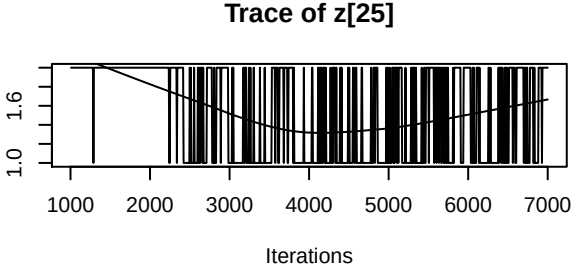
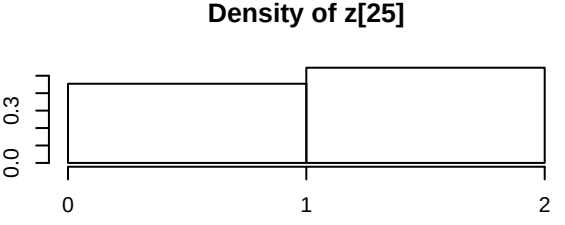
5000
6000
7000
Iterations

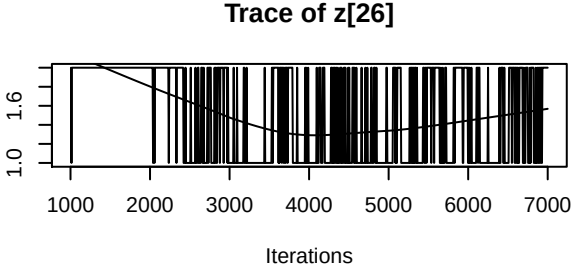

Density of z[23]
0.0
0.3
0
1
2

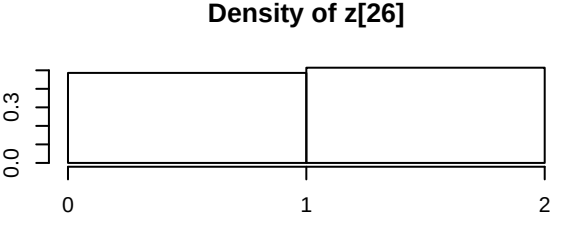

Trace of z[24]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

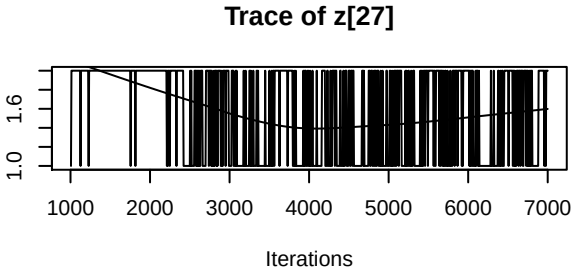

Density of z[24]
0.0
0.3
0.6
0
1
2

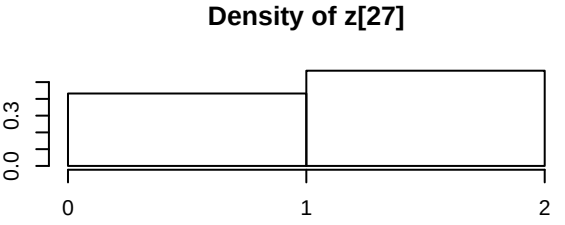

Trace of z[25]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[25]
0.0
0.3
0
1
2


Trace of z[26]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[26]
0.0
0.3
0
1
2


Trace of z[27]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[27]
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0.3
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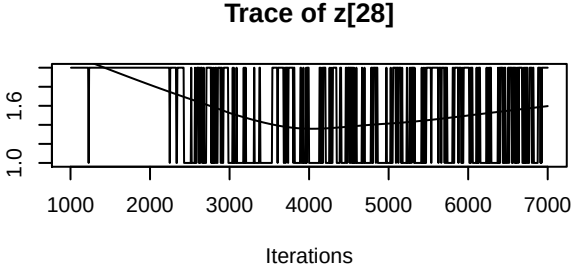
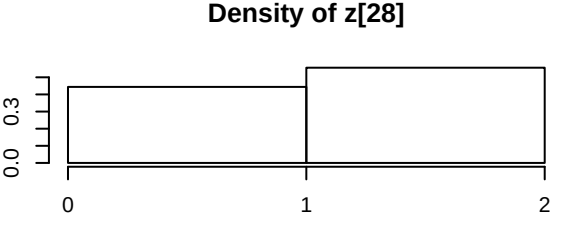
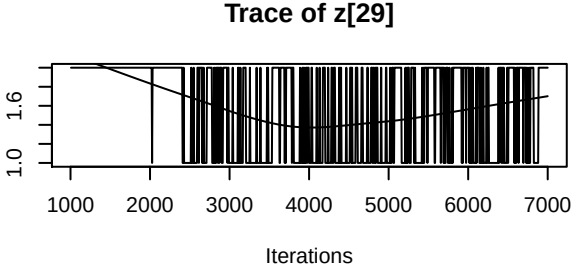
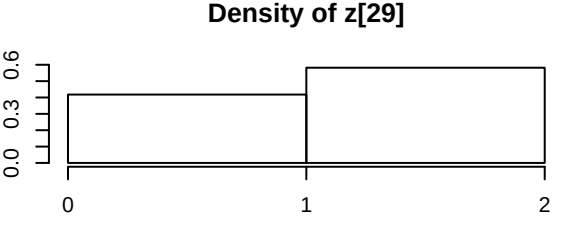
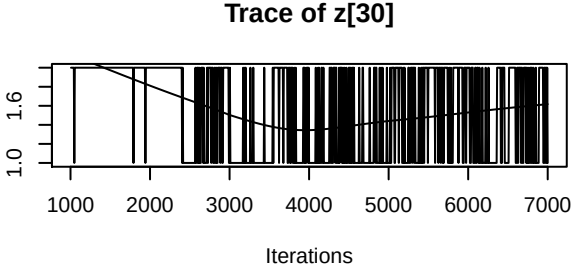
1
2

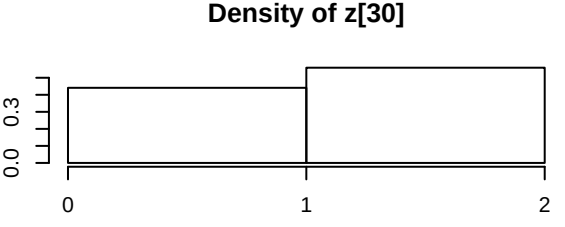

Trace of z[28]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[28]
0.0
0.3
0
1
2


Trace of z[29]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[29]
0.0
0.3
0.6
0
1
2


Trace of z[30]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[30]
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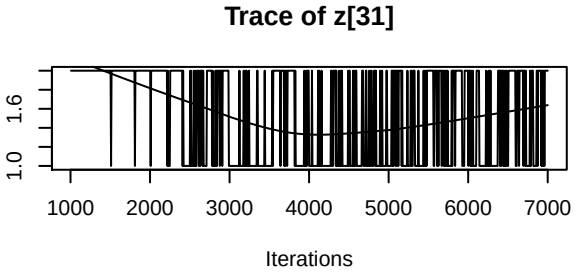
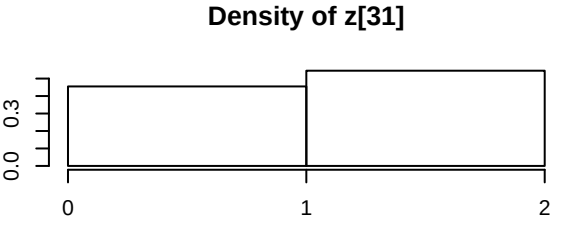
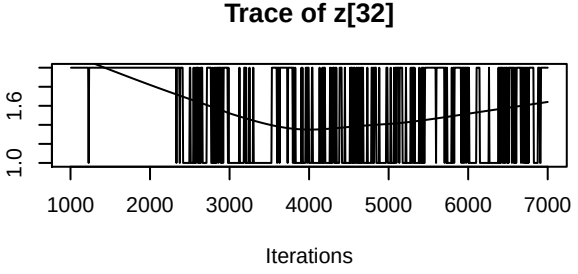
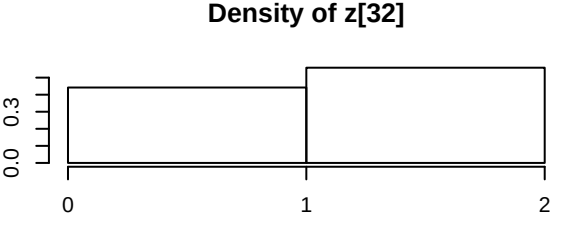
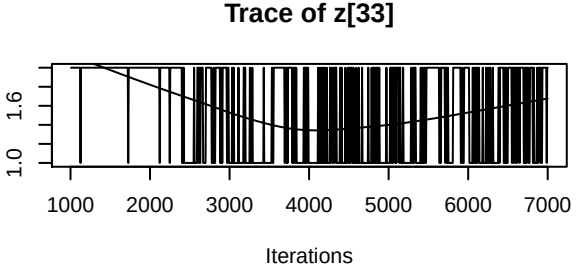
0.3
0
1
2

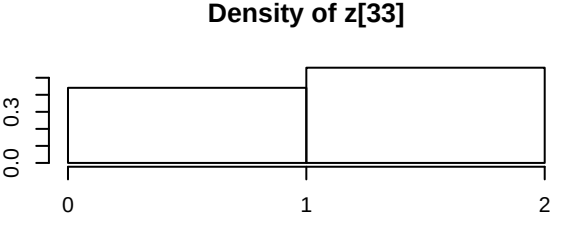

Trace of z[31]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[31]
0.0
0.3
0
1
2


Trace of z[32]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[32]
0.0
0.3
0
1
2


Trace of z[33]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[33]
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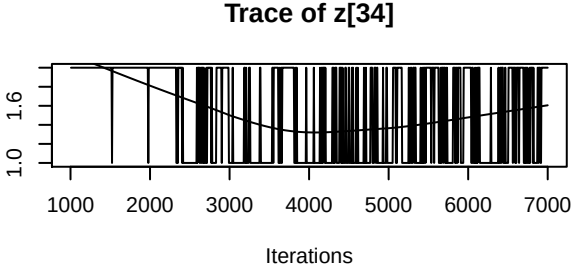
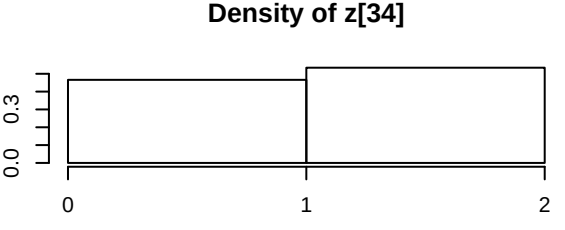
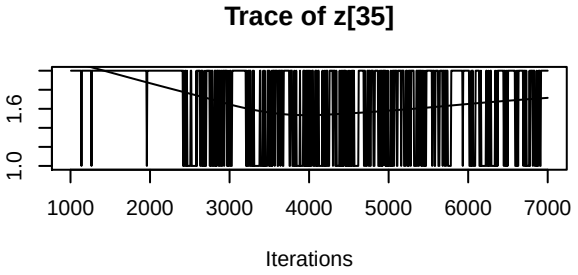
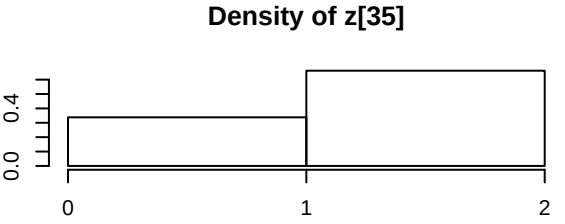
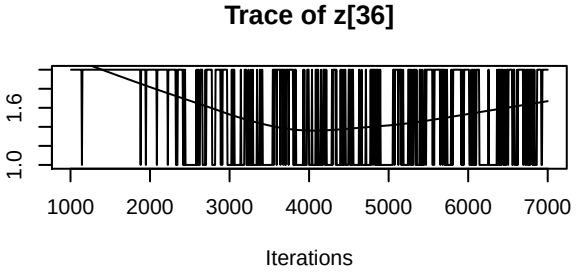
0.3
0
1
2

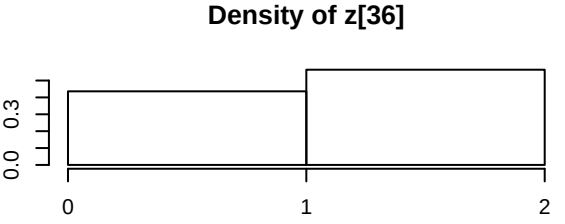

Trace of z[34]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

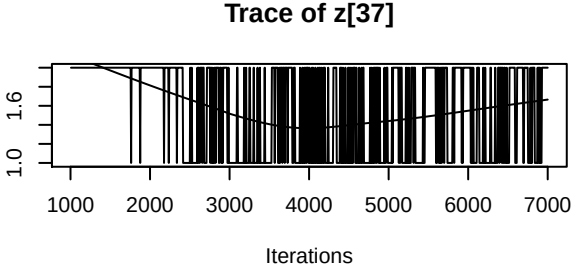

Density of z[34]
0.0
0.3
0
1
2

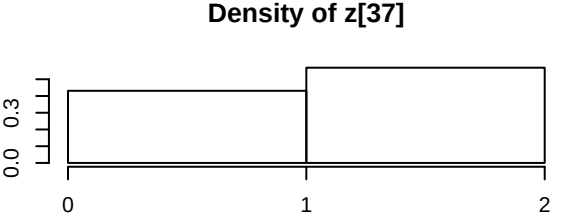

Trace of z[35]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

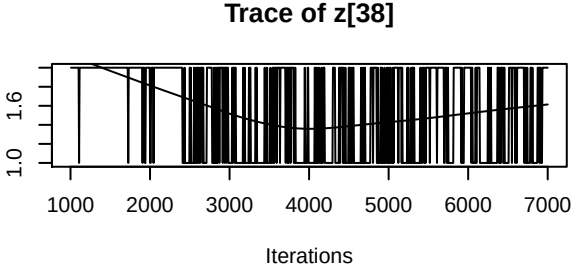

Density of z[35]
0.0
0.4
0
1
2

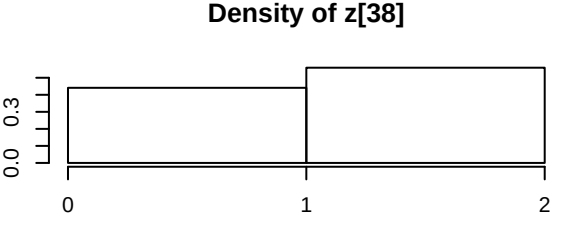

Trace of z[36]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

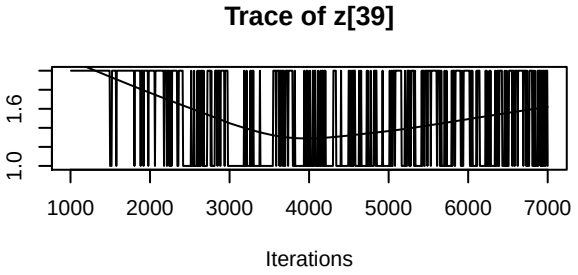

Density of z[36]
0.0
0.3
0
1
2

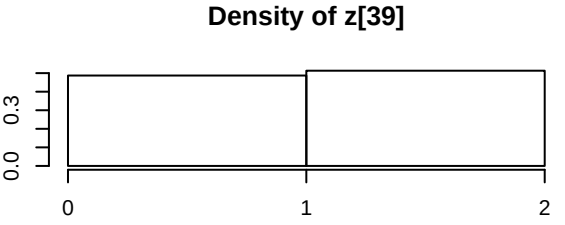

Trace of z[37]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

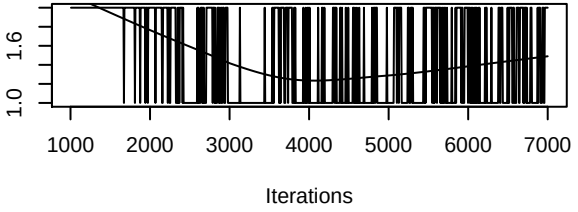

Density of z[37]
0.0
0.3
0
1
2

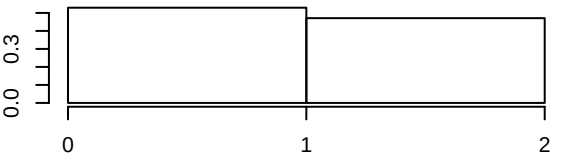

Trace of z[38]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

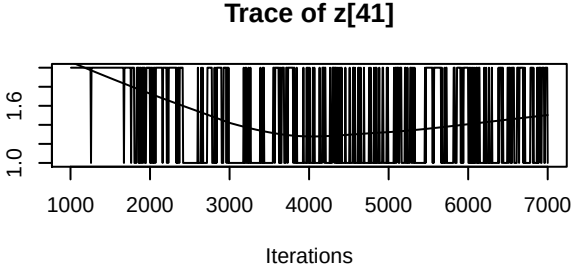

Density of z[38]
0.0
0.3
0
1
2

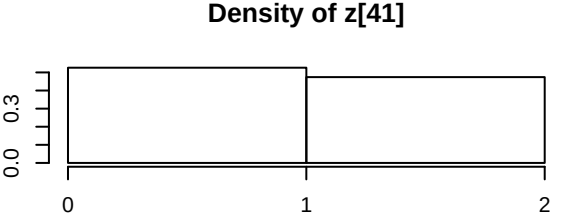

Trace of z[39]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

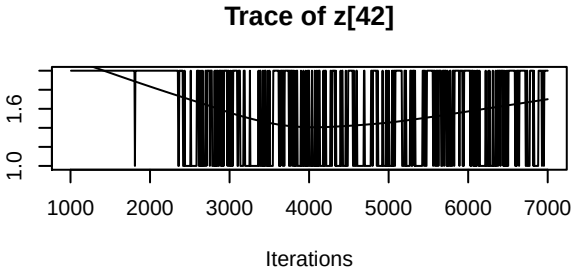

Density of z[39]
0.0
0.3
0
1
2

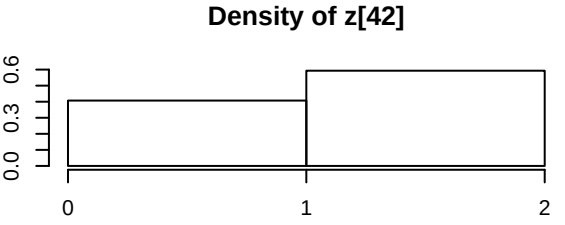

Trace of z[40]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

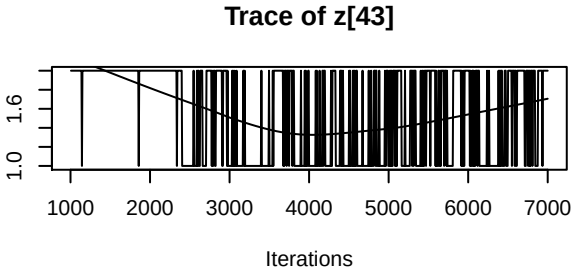

Density of z[40]
0.0
0.3
0
1
2

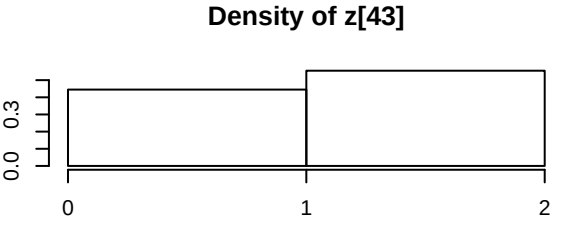

Trace of z[41]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

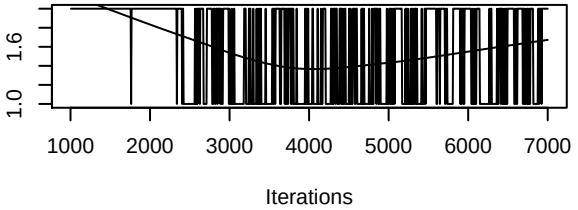

Density of z[41]
0.0
0.3
0
1
2

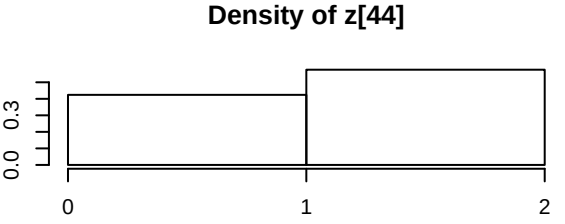

Trace of z[42]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

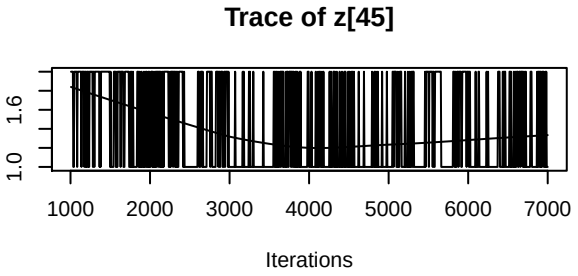

Density of z[42]
0.0
0.3
0.6
0
1
2

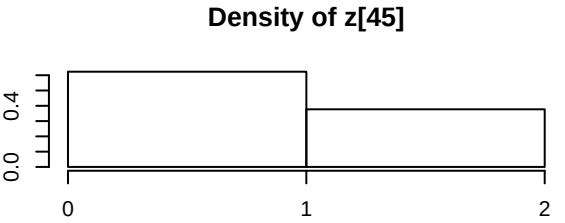

Trace of z[43]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

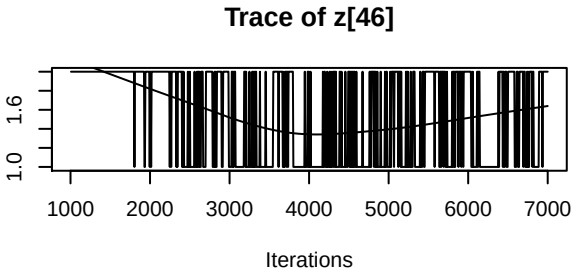

Density of z[43]
0.0
0.3
0
1
2

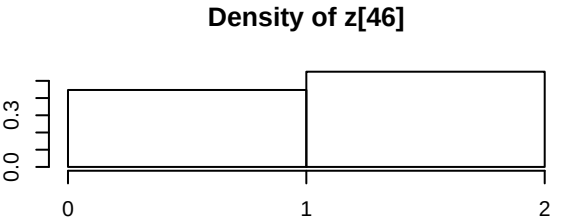

Trace of z[44]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

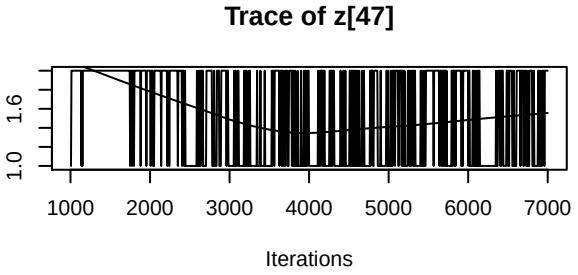

Density of z[44]
0.0
0.3
0
1
2

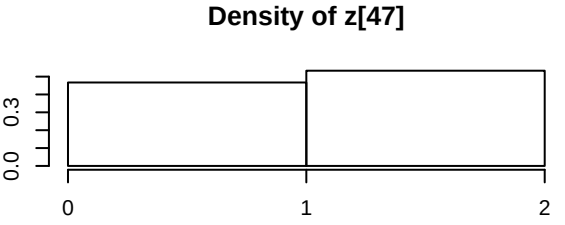

Trace of z[45]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

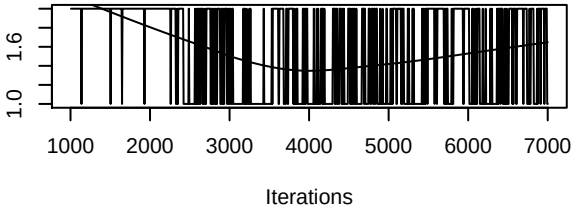

Density of z[45]
0.0
0.4
0
1
2

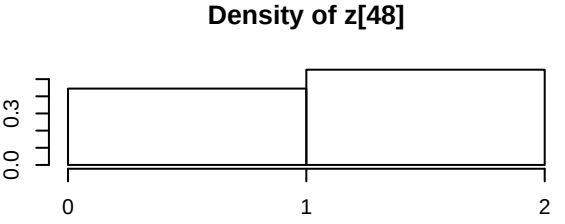

Trace of z[46]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

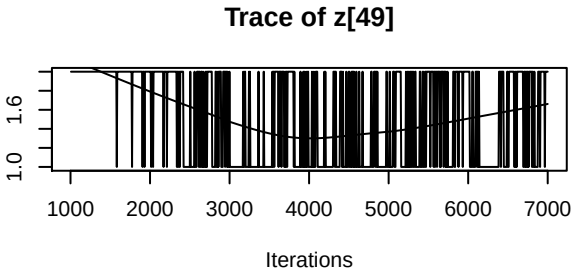

Density of z[46]
0.0
0.3
0
1
2

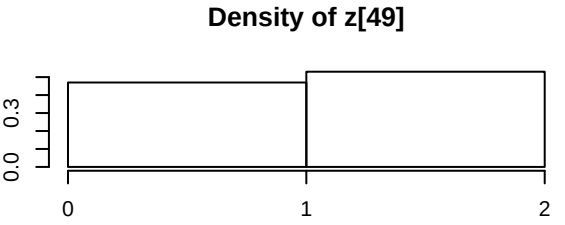

Trace of z[47]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations

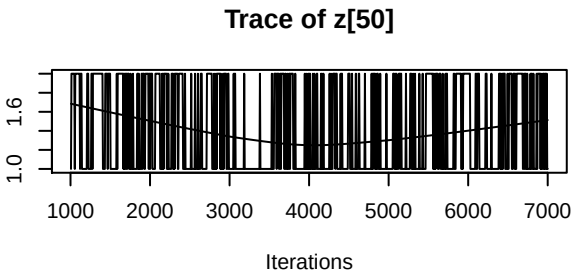

Density of z[47]
0.0
0.3
0
1
2

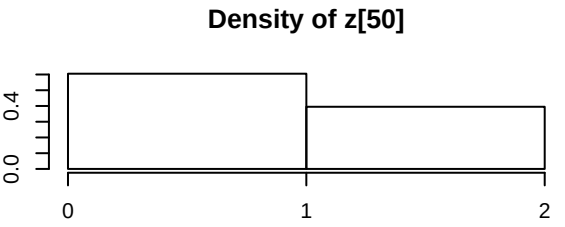

Trace of z[48]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[48]
0.0
0.3
0
1
2


Trace of z[49]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[49]
0.0
0.3
0
1
2


Trace of z[50]
1.0
1.6
1000
2000
3000
4000
5000
6000
7000
Iterations


Density of z[50]
0.0
0.4
0
1
2