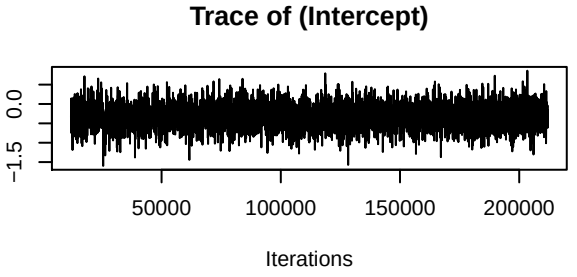
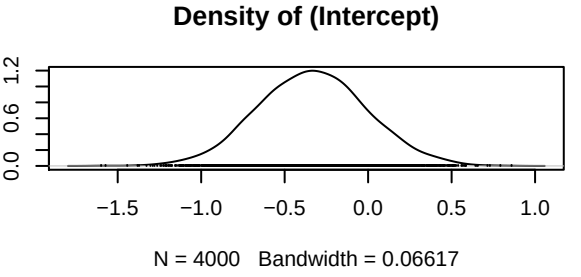
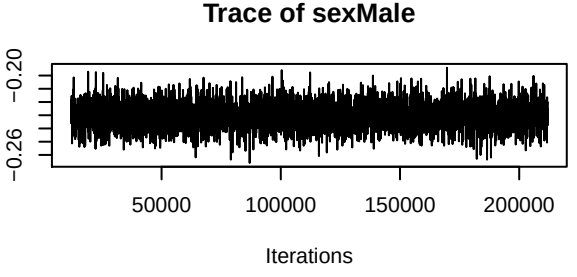
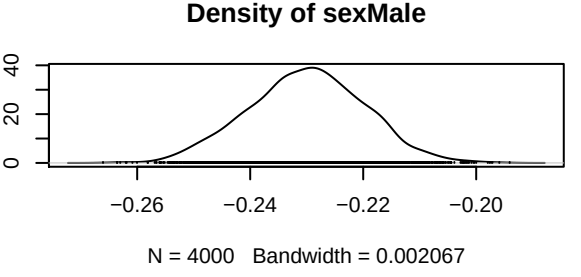
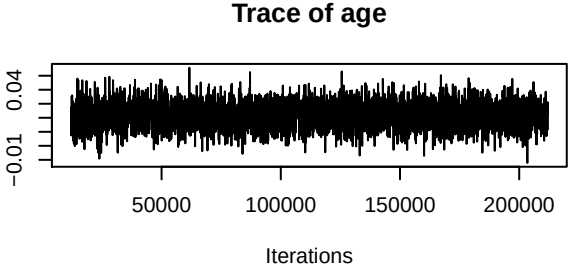
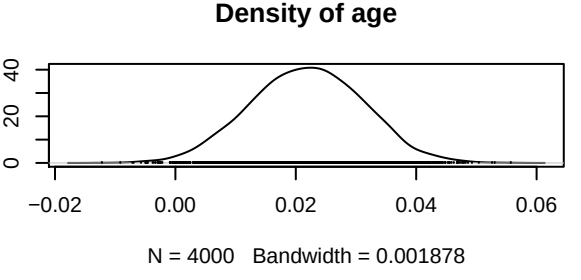

Trace of (Intercept)
−1.5
0.0
50000
100000
150000
200000
Iterations

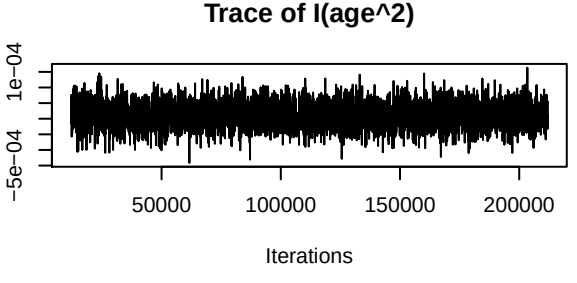

Density of (Intercept)
0.0
0.6
1.2
−1.5
−1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.06617

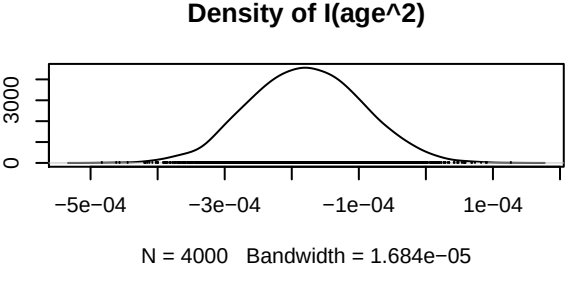

Trace of sexMale
−0.26
−0.20
50000
100000
150000
200000
Iterations

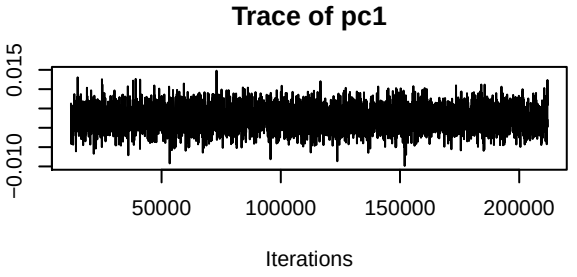

Density of sexMale
0
20
40
−0.26
−0.24
−0.22
−0.20
N = 4000 Bandwidth = 0.002067

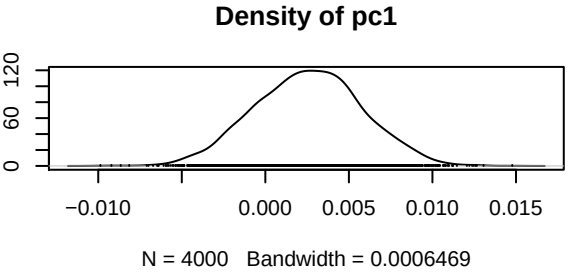

Trace of age
−0.01
0.04
50000
100000
150000
200000
Iterations

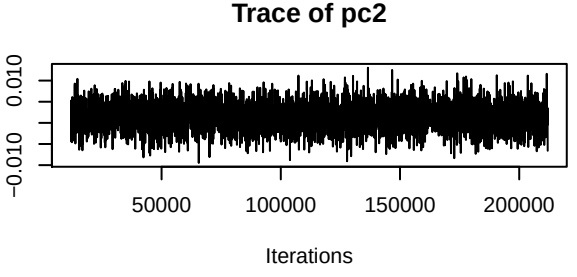

Density of age
0
20
40
−0.02
0.00
0.02
0.04
0.06
N = 4000 Bandwidth = 0.001878

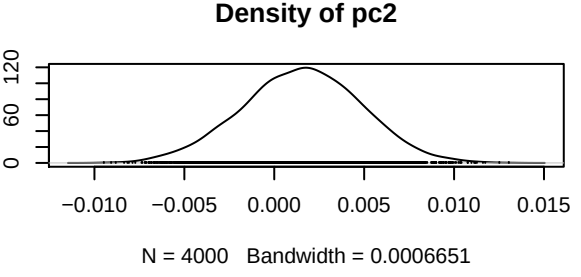

Trace of I(age^2)
−5e−04
1e−04
50000
100000
150000
200000
Iterations

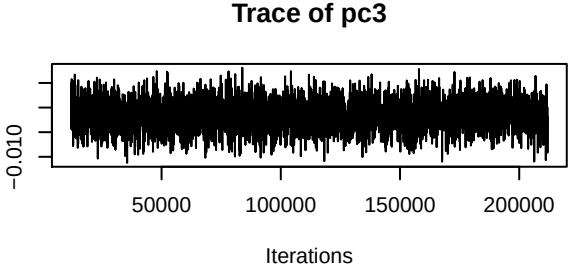

Density of I(age^2)
0
3000
−5e−04
−3e−04
−1e−04
1e−04
N = 4000 Bandwidth = 1.684e−05

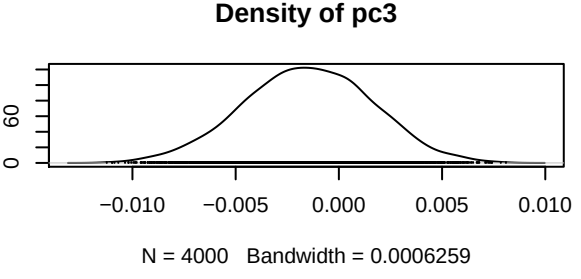

Trace of pc1
0.015
−0.010
50000
100000
150000
200000
Iterations

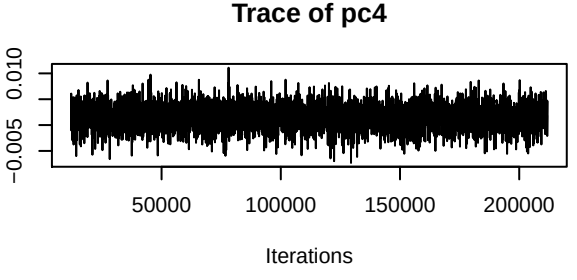

Density of pc1
120
60
0
−0.010
0.000
0.005
0.010
0.015
N = 4000 Bandwidth = 0.0006469

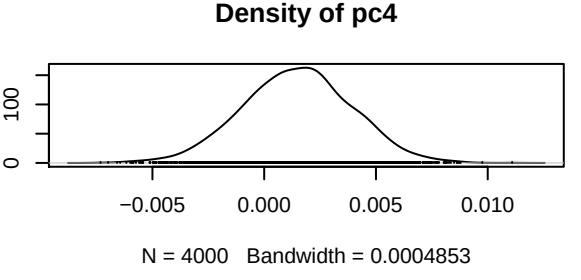

Trace of pc2
0.010
−0.010
50000
100000
150000
200000
Iterations

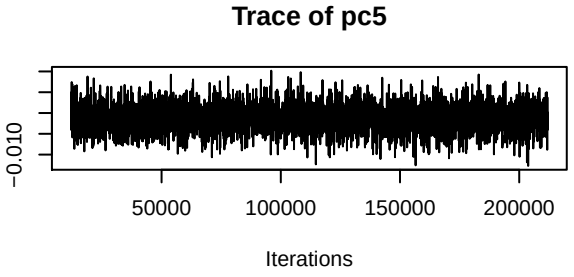

Density of pc2
120
60
0
−0.010
−0.005
0.000
0.005
0.010
0.015
N = 4000 Bandwidth = 0.0006651

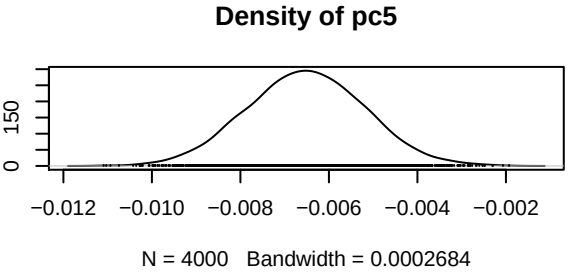

Trace of pc3
−0.010
50000
100000
150000
200000
Iterations

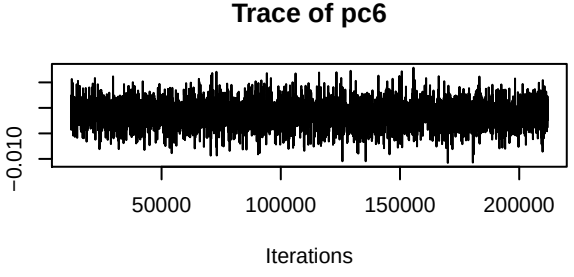

Density of pc3
60
0
−0.010
−0.005
0.000
0.005
0.010
N = 4000 Bandwidth = 0.0006259

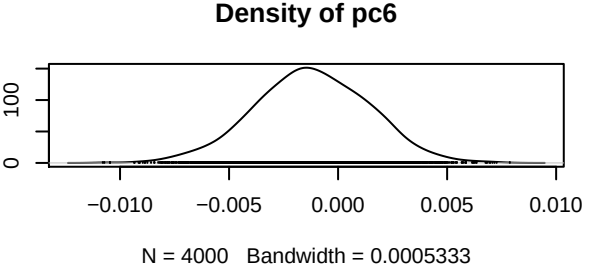

Trace of pc4
0.010
−0.005
50000
100000
150000
200000
Iterations

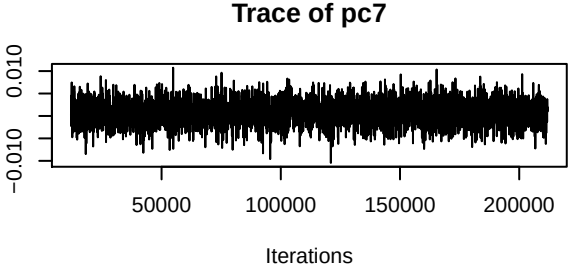

Density of pc4
100
0
−0.005
0.000
0.005
0.010
N = 4000 Bandwidth = 0.0004853

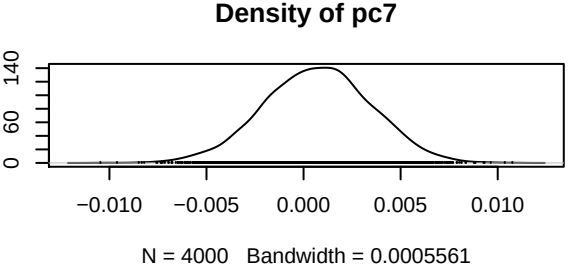

Trace of pc5
−0.010
50000
100000
150000
200000
Iterations

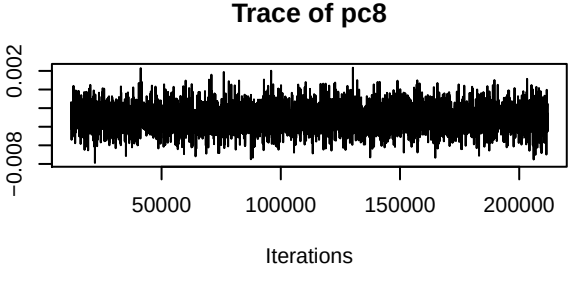

Density of pc5
0
150
−0.012
−0.010
−0.008
−0.006
−0.004
−0.002
N = 4000 Bandwidth = 0.0002684

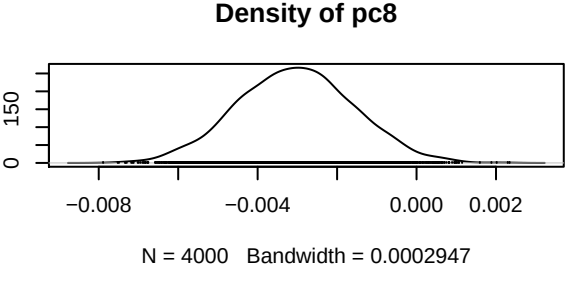

Trace of pc6
−0.010
50000
100000
150000
200000
Iterations

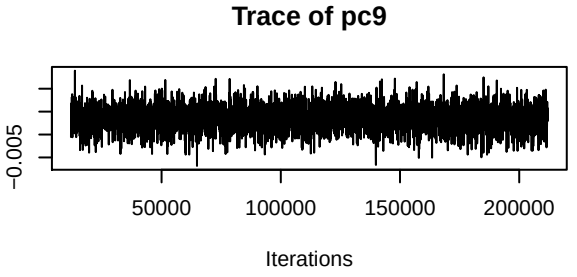

Density of pc6
0
100
−0.010
−0.005
0.000
0.005
0.010
N = 4000 Bandwidth = 0.0005333

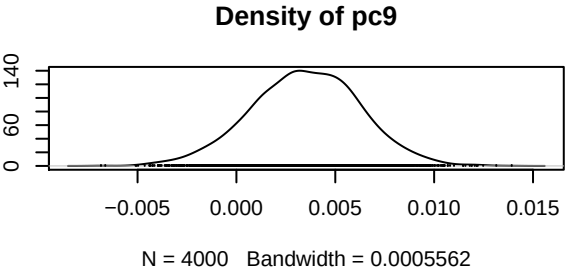

Trace of pc7
−0.010
0.010
50000
100000
150000
200000
Iterations

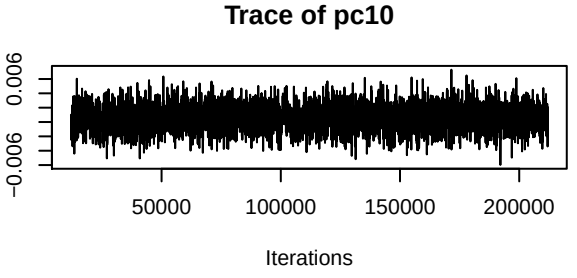

Density of pc7
0
60
140
−0.010
−0.005
0.000
0.005
0.010
N = 4000 Bandwidth = 0.0005561

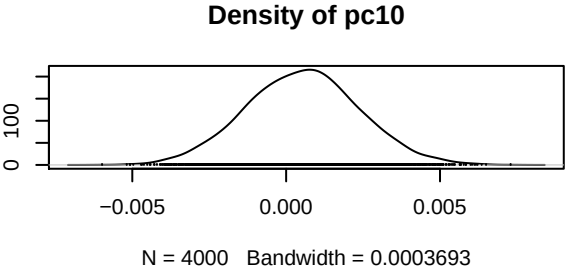

Trace of pc8
−0.008
0.002
50000
100000
150000
200000
Iterations

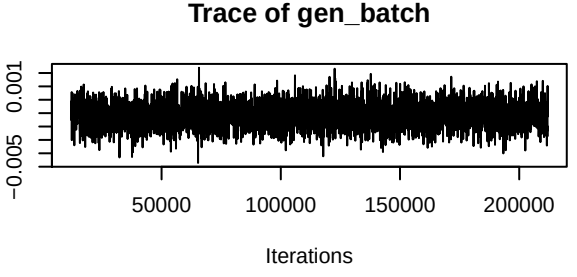

Density of pc8
0
150
−0.008
−0.004
0.000
0.002
N = 4000 Bandwidth = 0.0002947

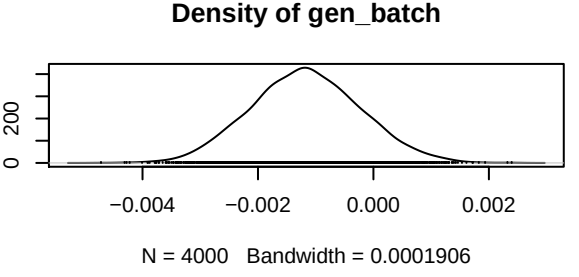

Trace of pc9
−0.005
50000
100000
150000
200000
Iterations

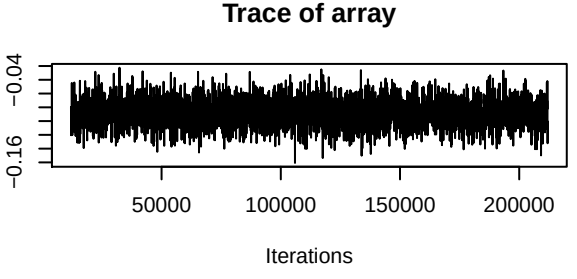

Density of pc9
0
60
140
−0.005
0.000
0.005
0.010
0.015
N = 4000 Bandwidth = 0.0005562

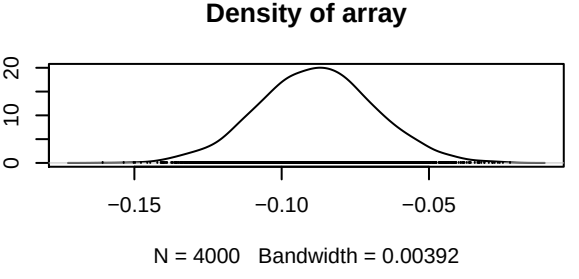

Trace of pc10
−0.006
0.006
50000
100000
150000
200000
Iterations

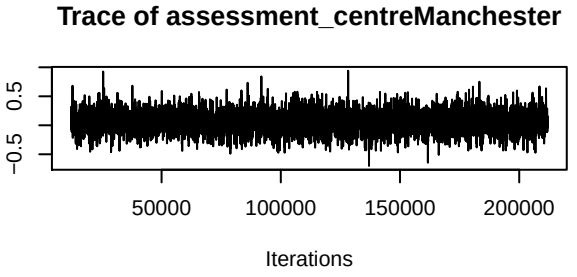

Density of pc10
0
100
−0.005
0.000
0.005
N = 4000 Bandwidth = 0.0003693

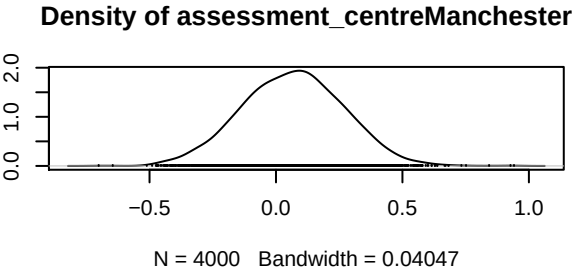

Trace of gen_batch
−0.005
0.001
50000
100000
150000
200000
Iterations

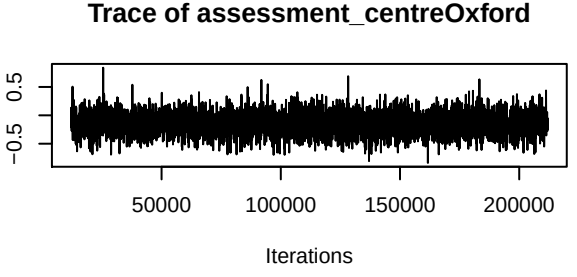

Density of gen_batch
0
200
−0.004
−0.002
0.000
0.002
N = 4000 Bandwidth = 0.0001906

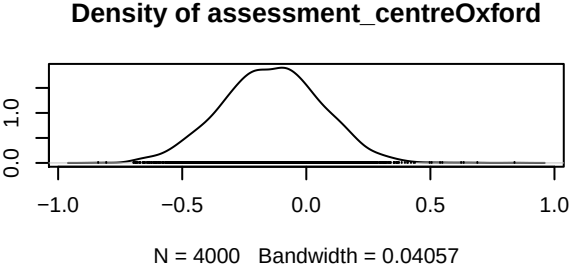

Trace of array
−0.16
−0.04
50000
100000
150000
200000
Iterations

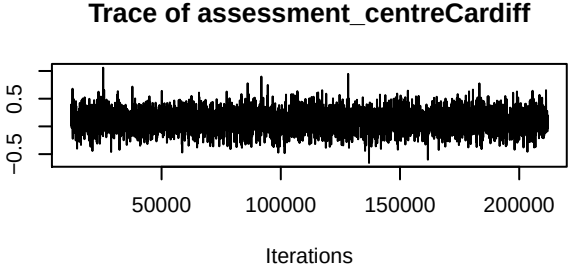

Density of array
0
10
20
−0.15
−0.10
−0.05
N = 4000 Bandwidth = 0.00392

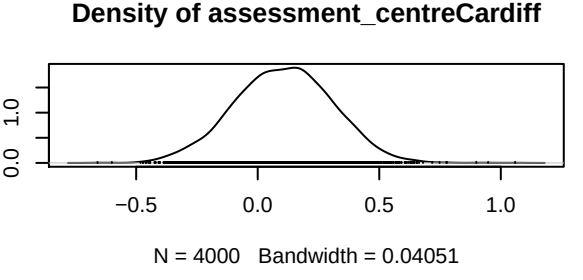

Trace of assessment_centreManchester
−0.5
0.5
50000
100000
150000
200000
Iterations

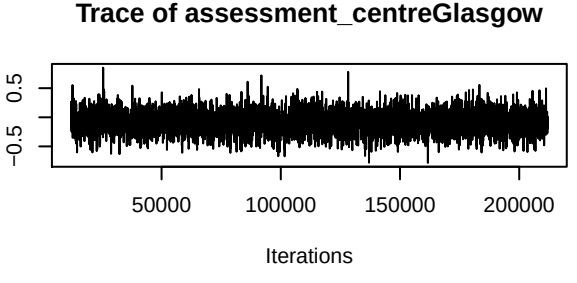

Density of assessment_centreManchester
0.0
1.0
2.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04047

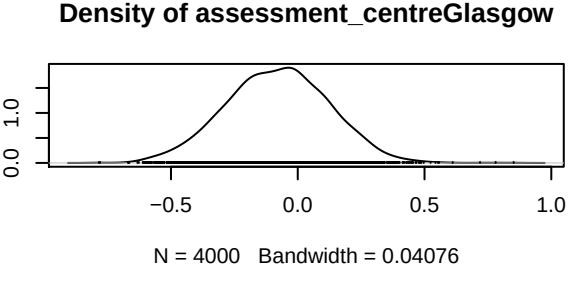

Trace of assessment_centreOxford
−0.5
0.5
50000
100000
150000
200000
Iterations

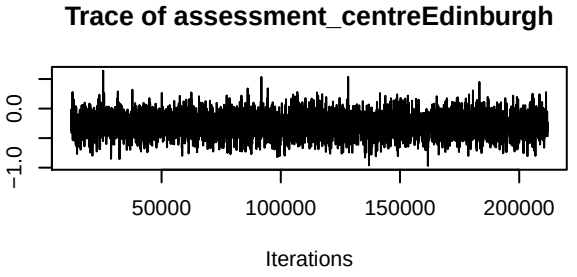

Density of assessment_centreOxford
0.0
1.0
−1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04057

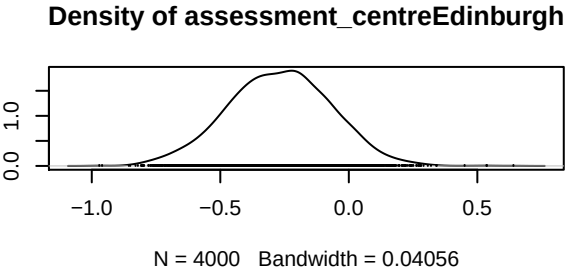

Trace of assessment_centreCardiff
−0.5
0.5
50000
100000
150000
200000
Iterations

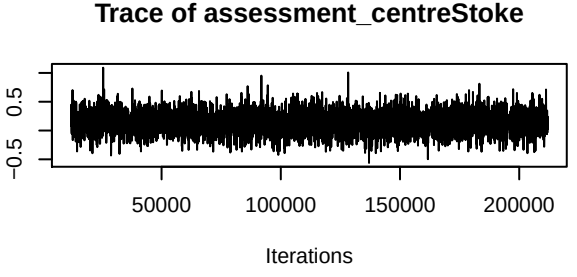

Density of assessment_centreCardiff
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04051

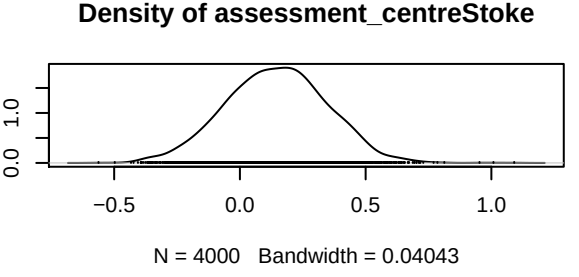

Trace of assessment_centreGlasgow
−0.5
0.5
50000
100000
150000
200000
Iterations

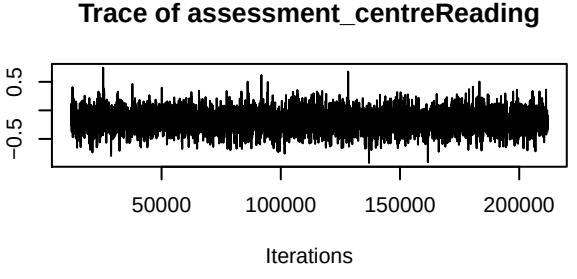

Density of assessment_centreGlasgow
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04076

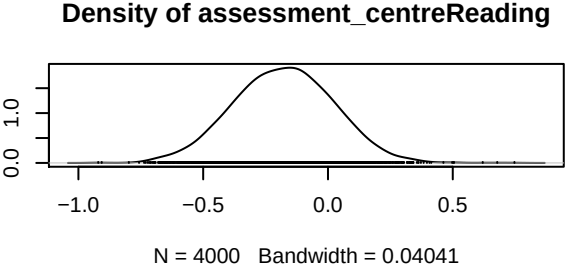

Trace of assessment_centreEdinburgh
−1.0
0.0
50000
100000
150000
200000
Iterations

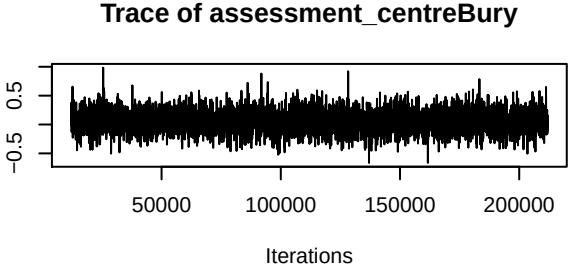

Density of assessment_centreEdinburgh
0.0
1.0
−1.0
−0.5
0.0
0.5
N = 4000 Bandwidth = 0.04056

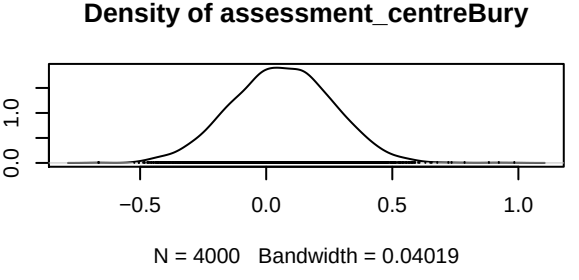

Trace of assessment_centreStoke
−0.5
0.5
50000
100000
150000
200000
Iterations

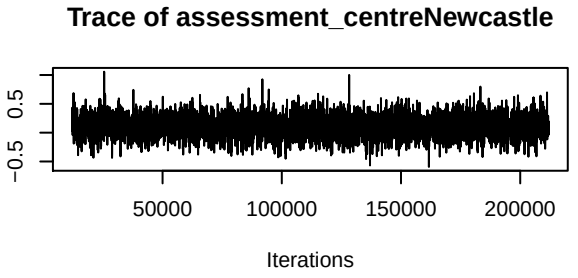

Density of assessment_centreStoke
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04043

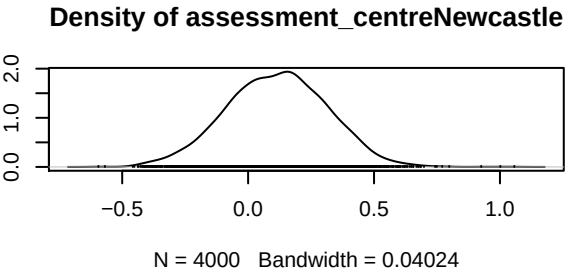

Trace of assessment_centreReading
−0.5
0.5
50000
100000
150000
200000
Iterations

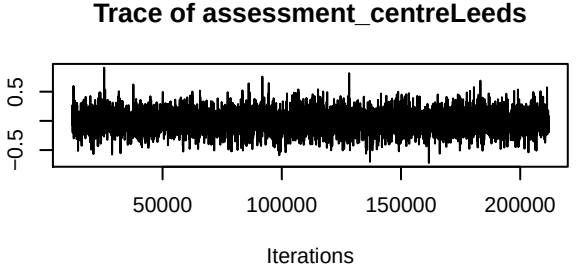

Density of assessment_centreReading
0.0
1.0
−1.0
−0.5
0.0
0.5
N = 4000 Bandwidth = 0.04041

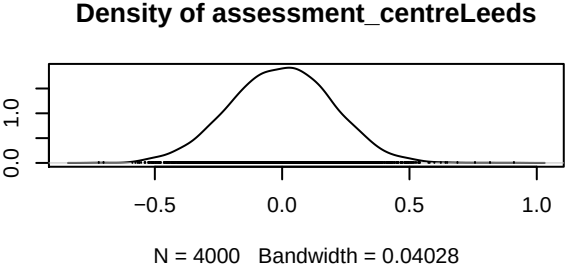

Trace of assessment_centreBury
−0.5
0.5
50000
100000
150000
200000
Iterations

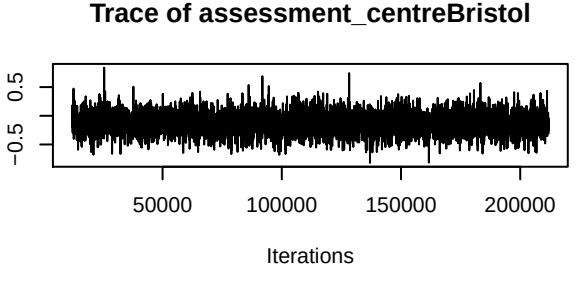

Density of assessment_centreBury
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04019

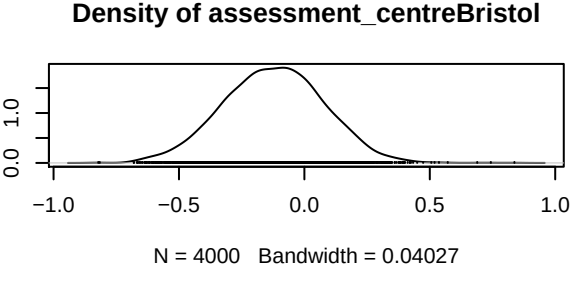

Trace of assessment_centreNewcastle
−0.5
0.5
50000
100000
150000
200000
Iterations

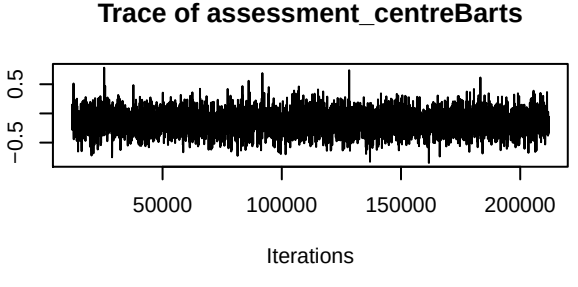

Density of assessment_centreNewcastle
0.0
1.0
2.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04024

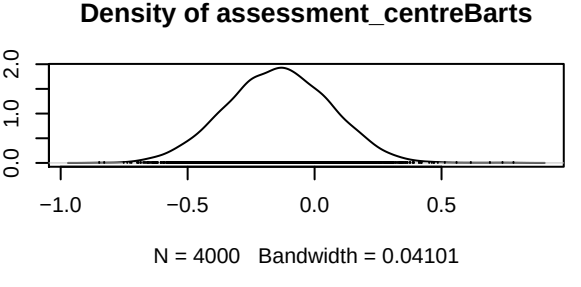

Trace of assessment_centreLeeds
−0.5
0.5
50000
100000
150000
200000
Iterations

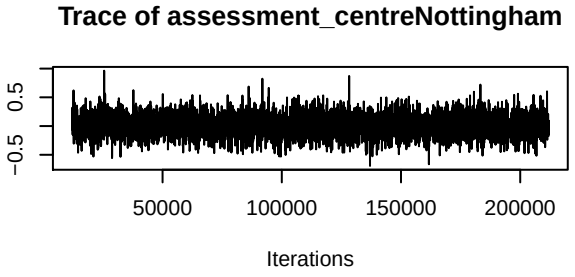

Density of assessment_centreLeeds
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04028

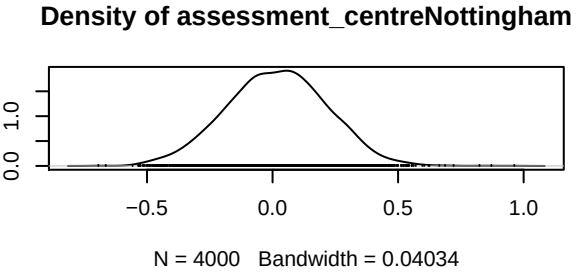

Trace of assessment_centreBristol
−0.5
0.5
50000
100000
150000
200000
Iterations

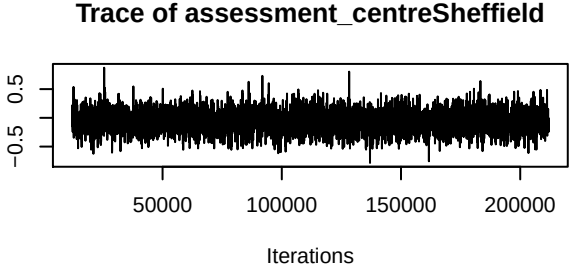

Density of assessment_centreBristol
0.0
1.0
−1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04027

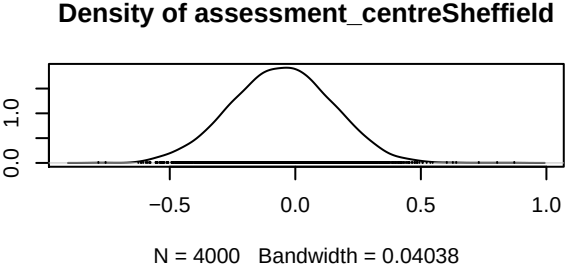

Trace of assessment_centreBarts
−0.5
0.5
50000
100000
150000
200000
Iterations

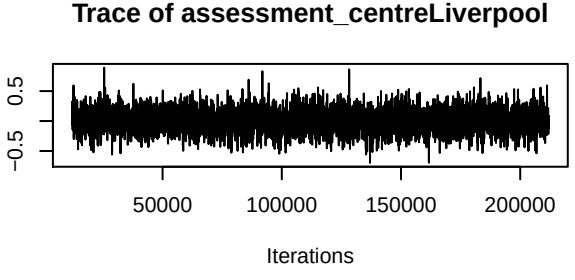

Density of assessment_centreBarts
0.0
1.0
2.0
−1.0
−0.5
0.0
0.5
N = 4000 Bandwidth = 0.04101

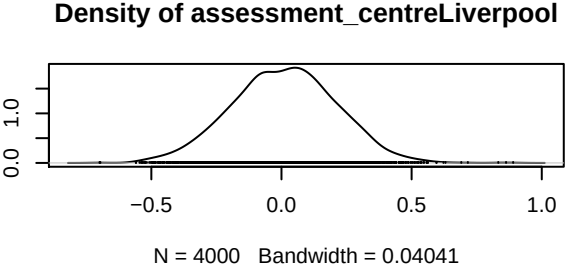

Trace of assessment_centreNottingham
−0.5
0.5
50000
100000
150000
200000
Iterations

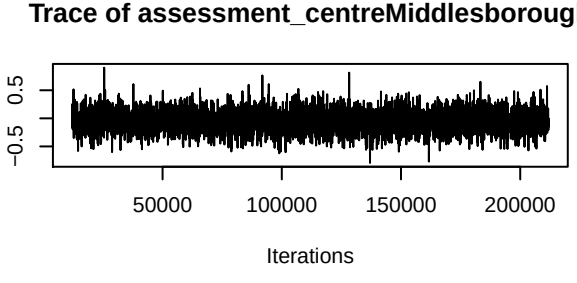

Density of assessment_centreNottingham
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04034

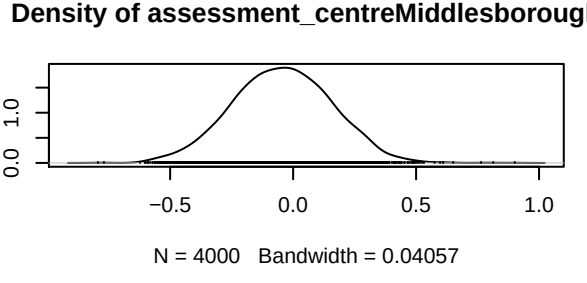

Trace of assessment_centreSheffield
−0.5
0.5
50000
100000
150000
200000
Iterations

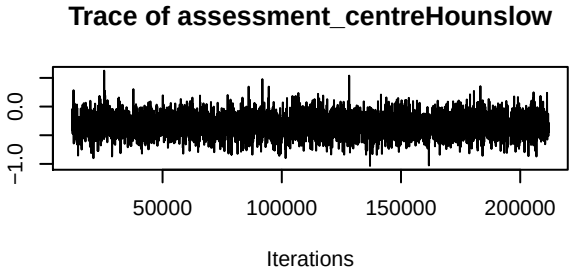

Density of assessment_centreSheffield
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04038

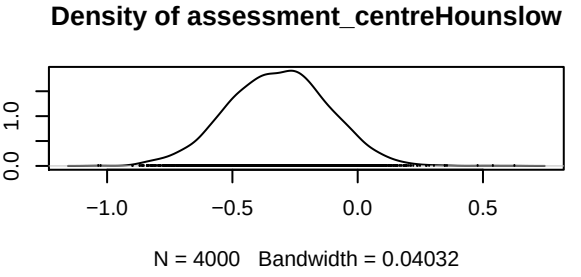

Trace of assessment_centreLiverpool
−0.5
0.5
50000
100000
150000
200000
Iterations

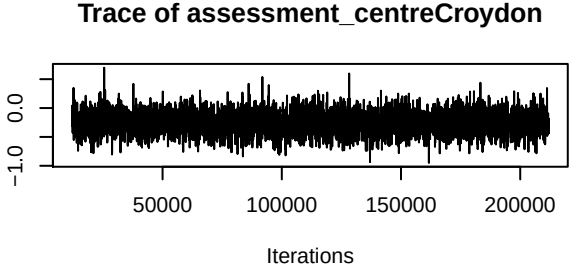

Density of assessment_centreLiverpool
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04041

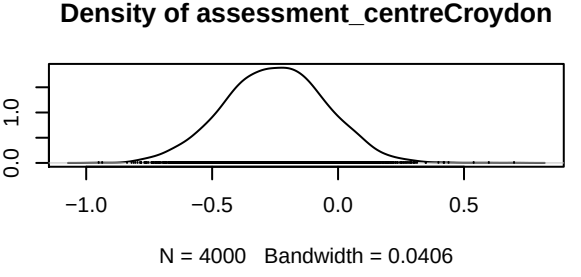

Trace of assessment_centreMiddlesborough
−0.5
0.5
50000
100000
150000
200000
Iterations

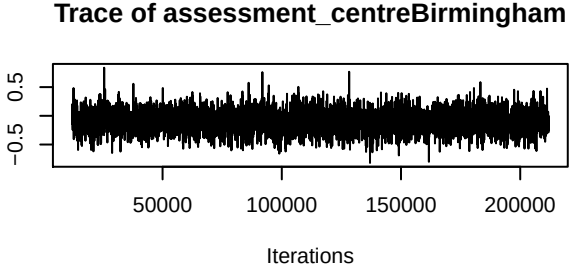

Density of assessment_centreMiddlesborough
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04057

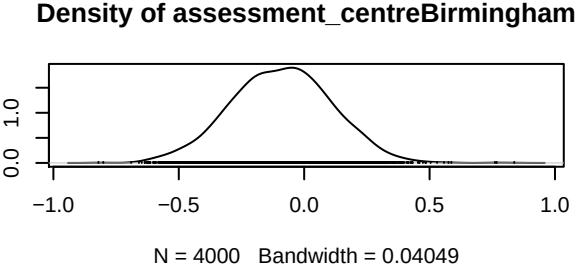

Trace of assessment_centreHounslow
−1.0
0.0
50000
100000
150000
200000
Iterations

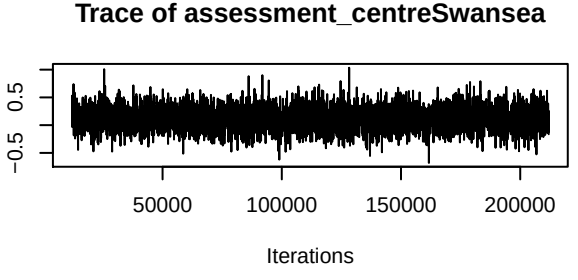

Density of assessment_centreHounslow
0.0
1.0
−1.0
−0.5
0.0
0.5
N = 4000 Bandwidth = 0.04032

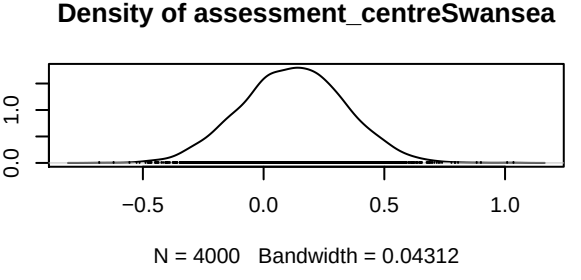

Trace of assessment_centreCroydon
−1.0
0.0
50000
100000
150000
200000
Iterations

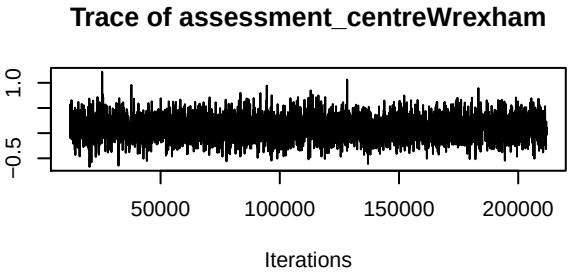

Density of assessment_centreCroydon
0.0
1.0
−1.0
−0.5
0.0
0.5
N = 4000 Bandwidth = 0.0406

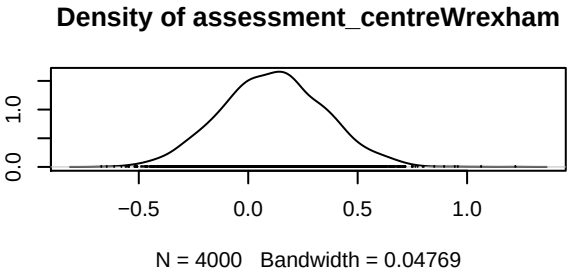

Trace of assessment_centreBirmingham
−0.5
0.5
50000
100000
150000
200000
Iterations

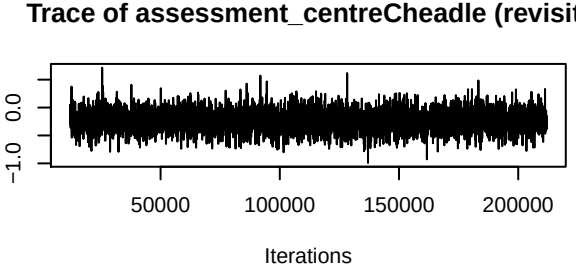

Density of assessment_centreBirmingham
0.0
1.0
−1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04049

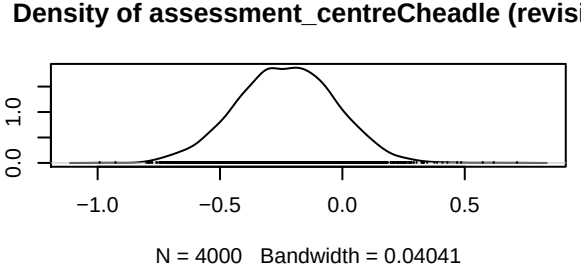

Trace of assessment_centreSwansea
−0.5
0.5
50000
100000
150000
200000
Iterations

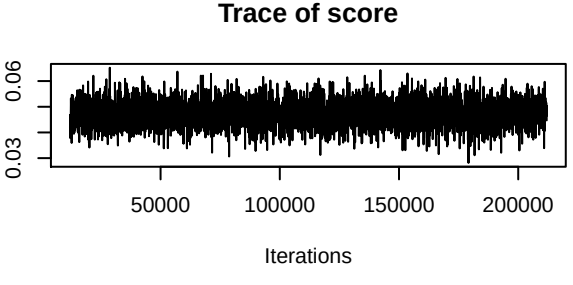

Density of assessment_centreSwansea
0.0
1.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04312

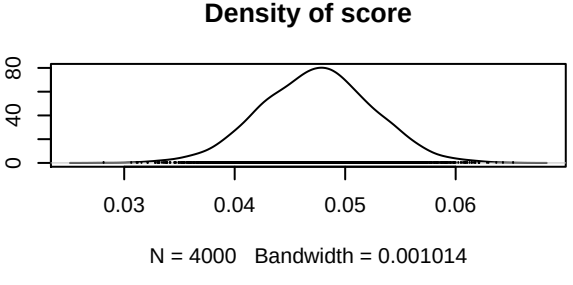

Trace of assessment_centreWrexham
1.0
−0.5
50000
100000
150000
200000
Iterations

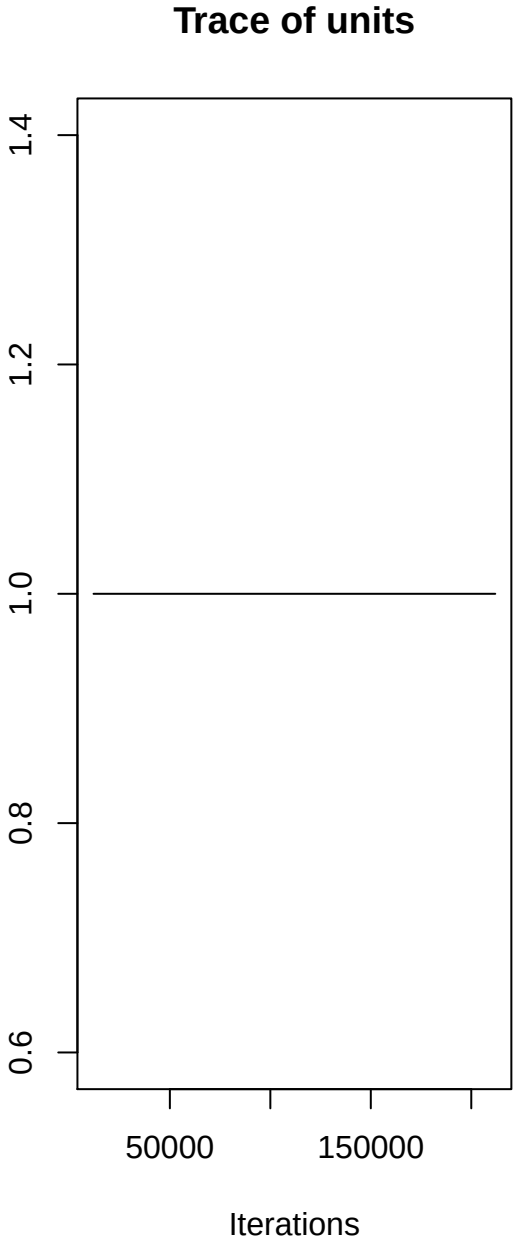

Density of assessment_centreWrexham
1.0
0.0
−0.5
0.0
0.5
1.0
N = 4000 Bandwidth = 0.04769

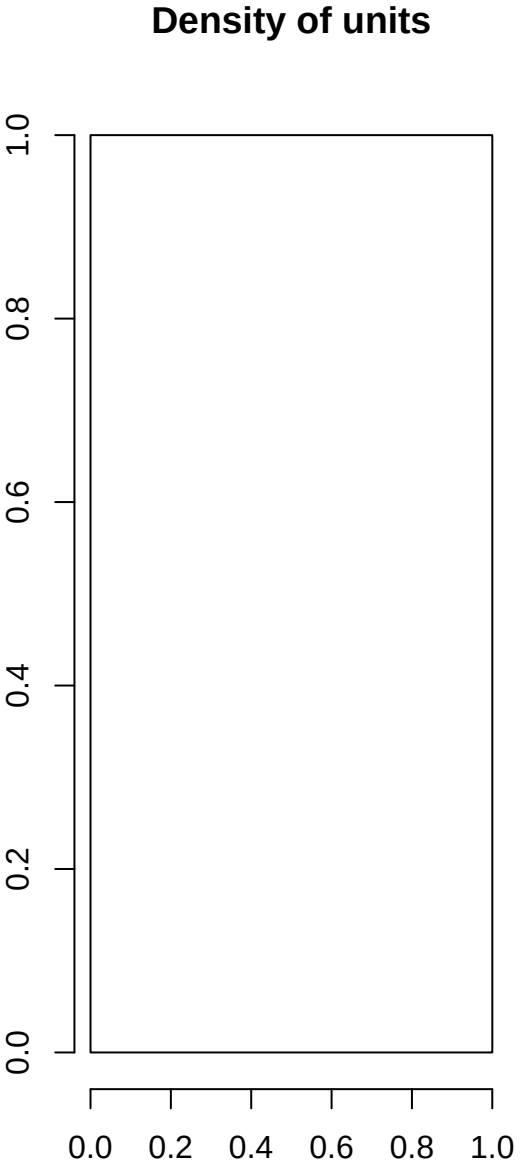

Trace of assessment_centreCheadle (revisit)
0.0
−1.0
50000
100000
150000
200000
Iterations


Density of assessment_centreCheadle (revisit)
1.0
0.0
−1.0
−0.5
0.0
0.5
N = 4000 Bandwidth = 0.04041


Trace of score
0.06
0.03
50000
100000
150000
200000
Iterations


Density of score
80
40
0
0.03
0.04
0.05
0.06
N = 4000 Bandwidth = 0.001014


Trace of units
1.4
1.2
1.0
0.8
0.6
50000
150000
Iterations


Density of units
1.0
0.8
0.6
0.4
0.2
0.0
0.0
0.2
0.4
0.6
0.8
1.0