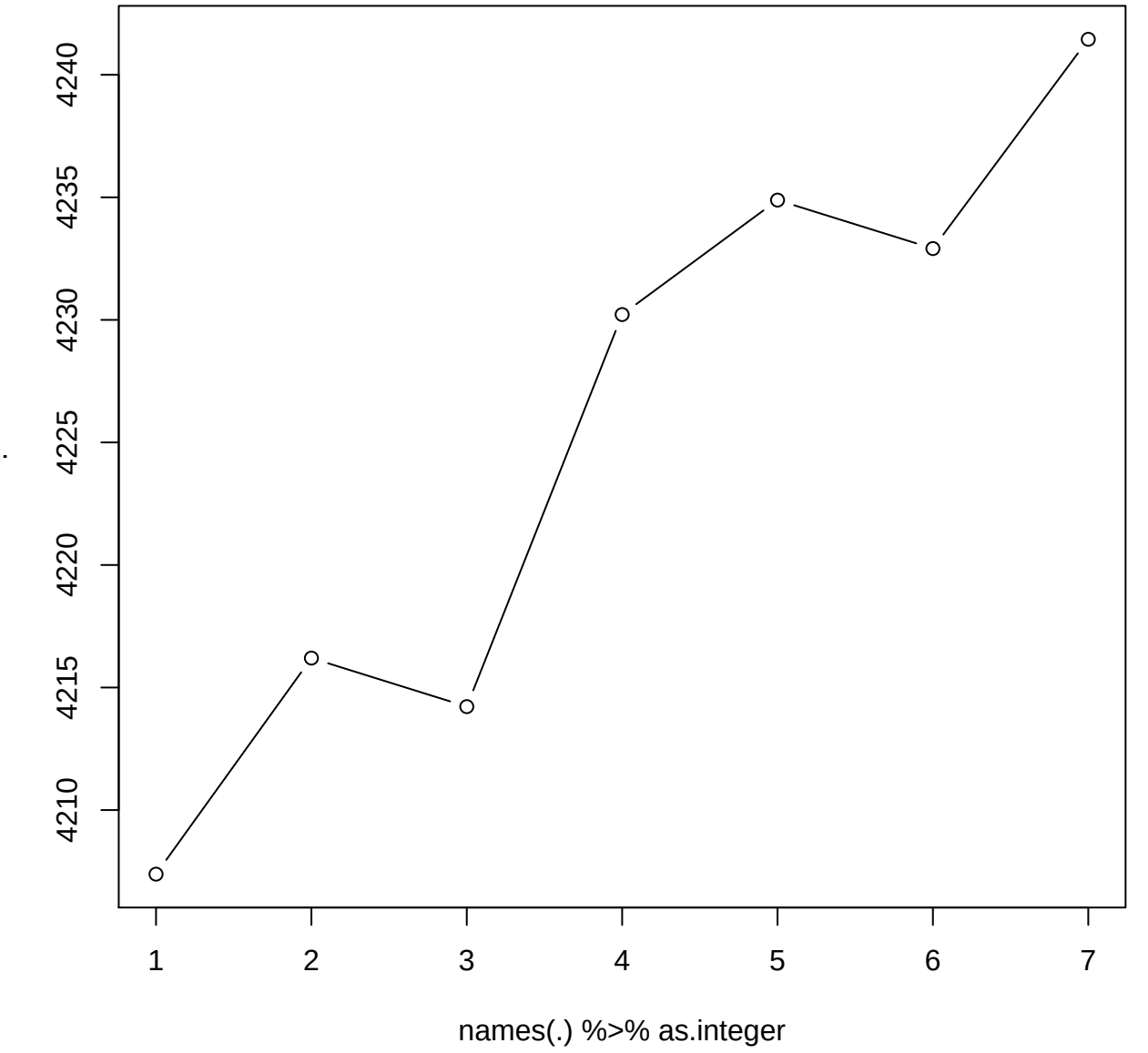
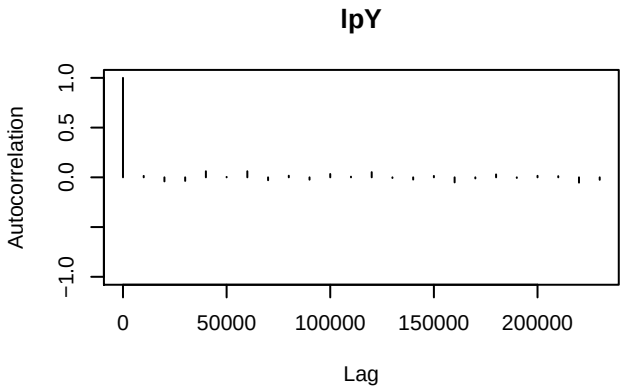
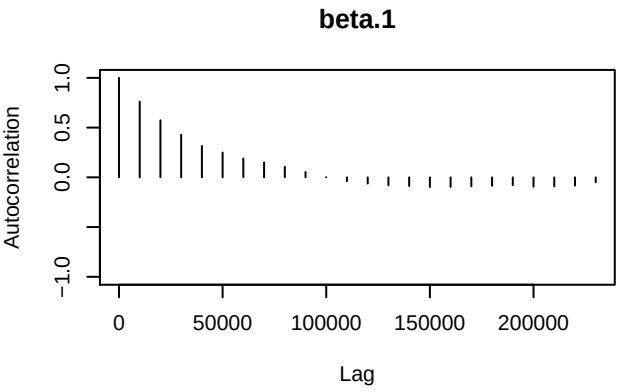
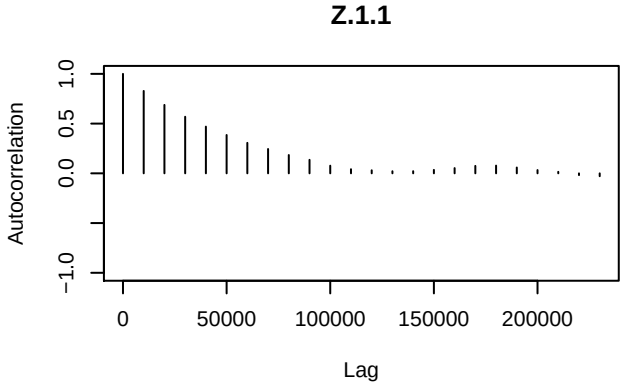
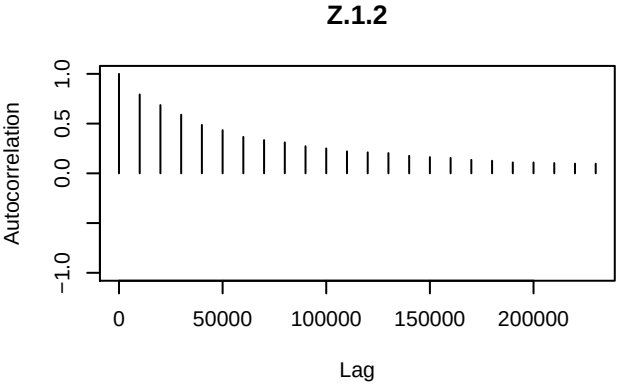
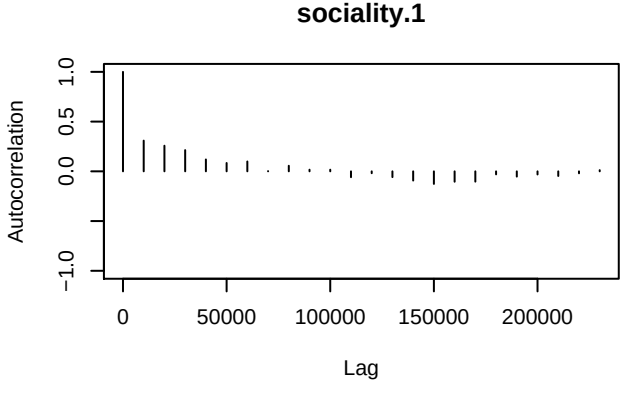

4240
4235
4230
4225
4220
4215
4210
1
2
3
4
5
6
7
names(.) %>% as.integer

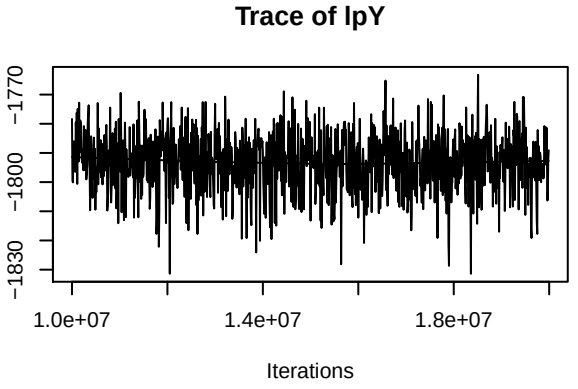

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

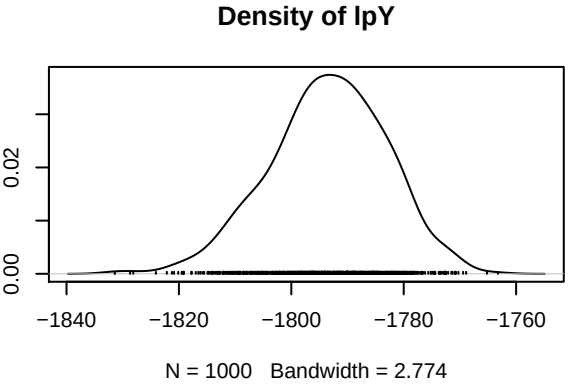

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

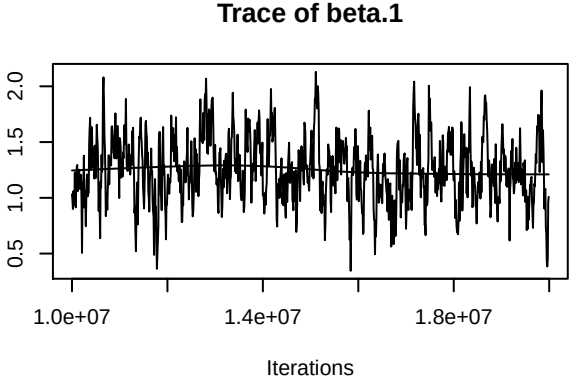

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

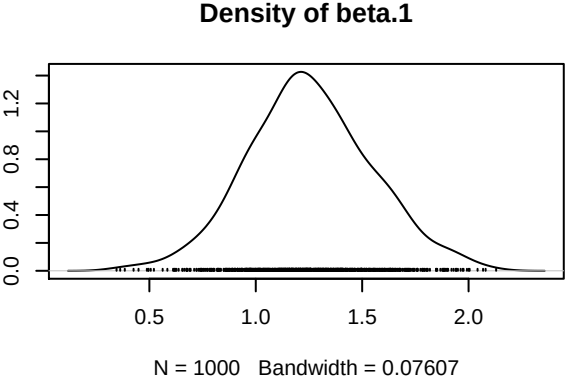

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

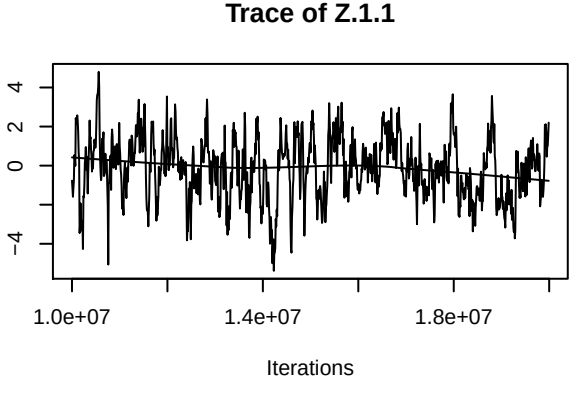

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

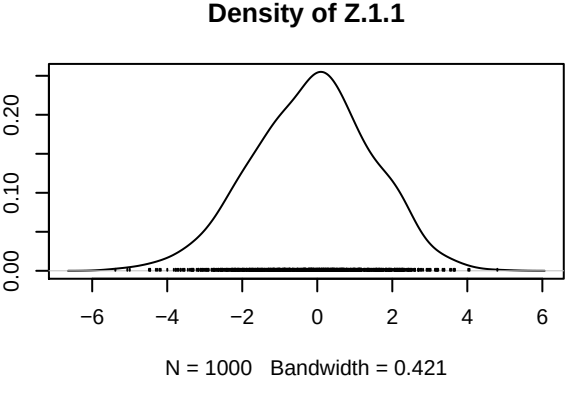

Trace of lpY
−1770
−1800
−1830
1.0e+07
1.4e+07
1.8e+07
Iterations

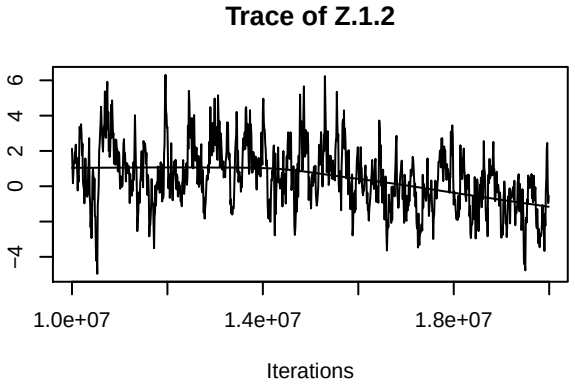

Density of lpY
0.02
0.00
−1840
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.774

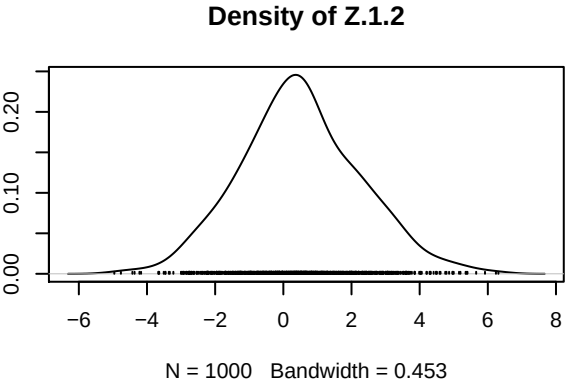

Trace of beta.1
2.0
1.5
1.0
0.5
1.0e+07
1.4e+07
1.8e+07
Iterations

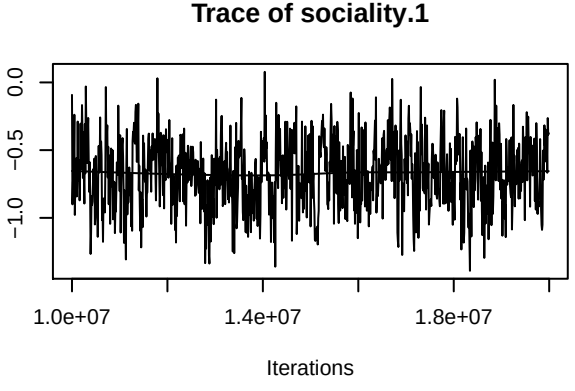

Density of beta.1
1.2
0.8
0.4
0.0
0.5
1.0
1.5
2.0
N = 1000 Bandwidth = 0.07607

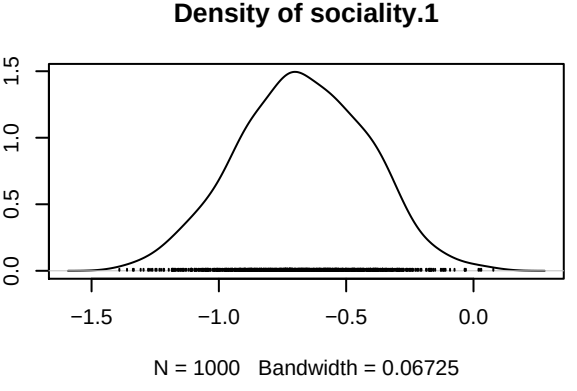

Trace of Z.1.1
4
2
0
−4
1.0e+07
1.4e+07
1.8e+07
Iterations

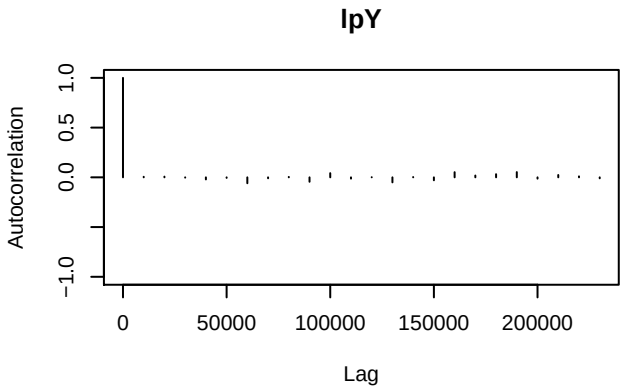

Density of Z.1.1
0.20
0.10
0.00
−6
−4
−2
0
2
4
6
N = 1000 Bandwidth = 0.421

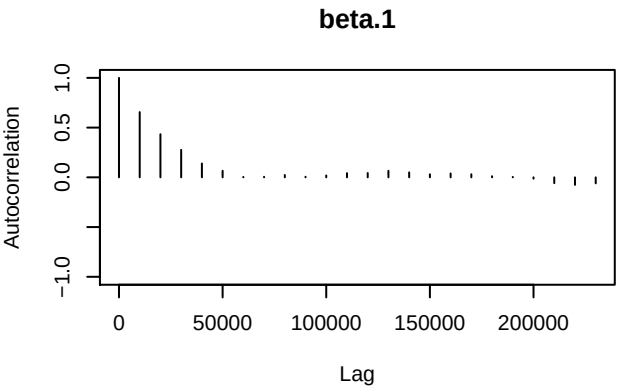

Trace of Z.1.2
6
4
2
0
−4
1.0e+07
1.4e+07
1.8e+07
Iterations

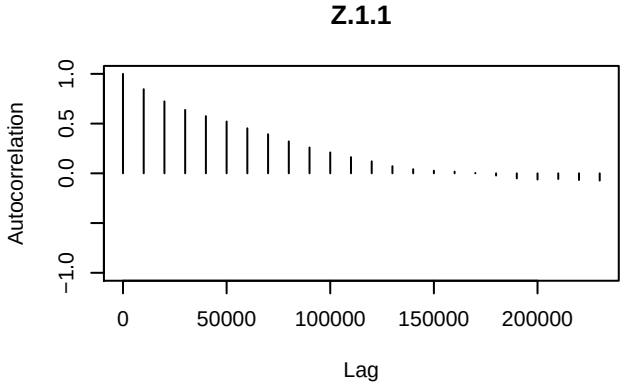

Density of Z.1.2
0.20
0.10
0.00
−6
−4
−2
0
2
4
6
8
N = 1000 Bandwidth = 0.453

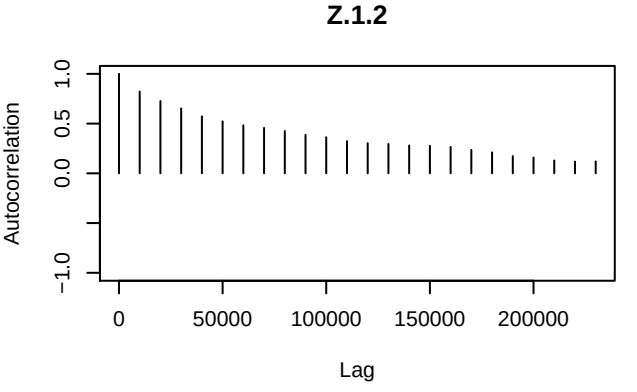

Trace of sociality.1
0.0
−0.5
−1.0
1.0e+07
1.4e+07
1.8e+07
Iterations

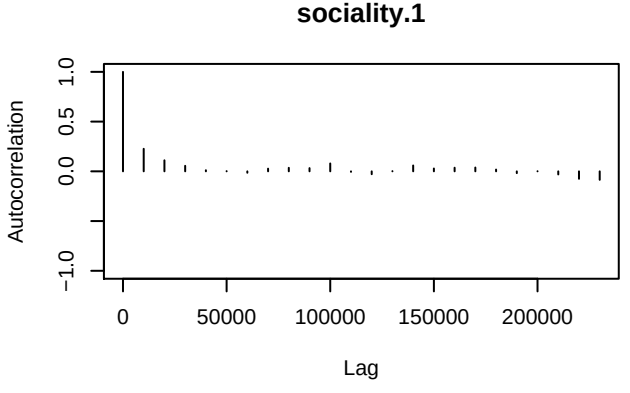

Density of sociality.1
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06725

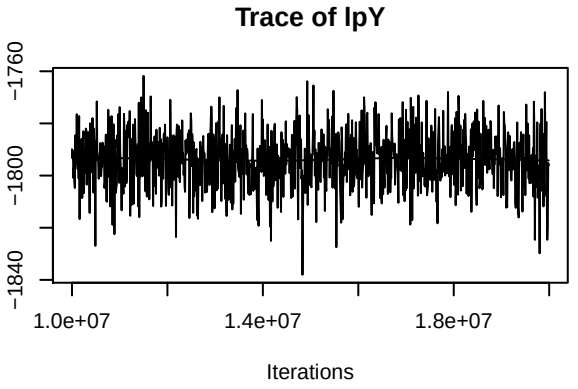

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

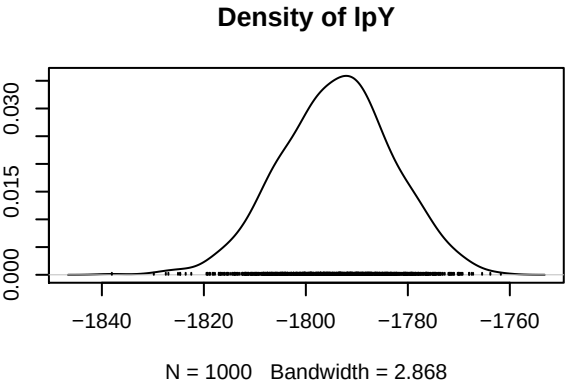

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

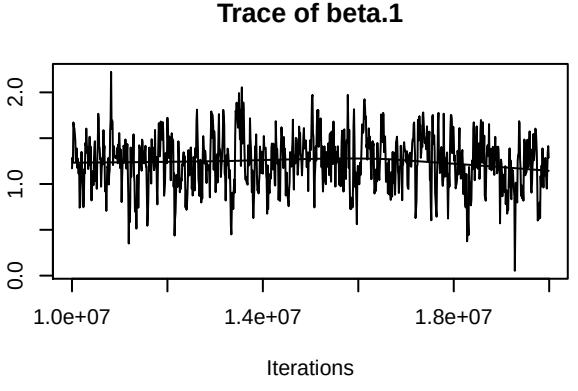

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

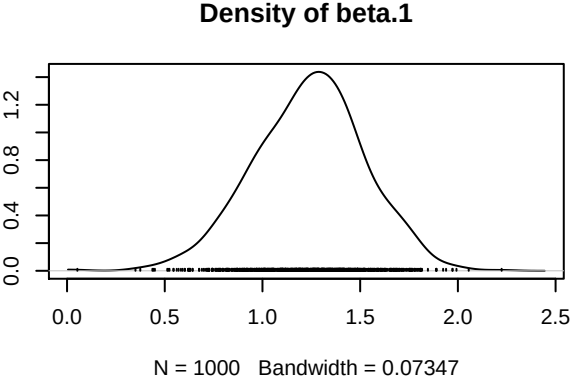

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

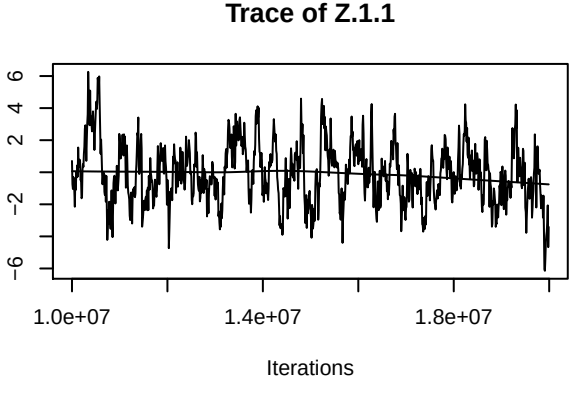

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

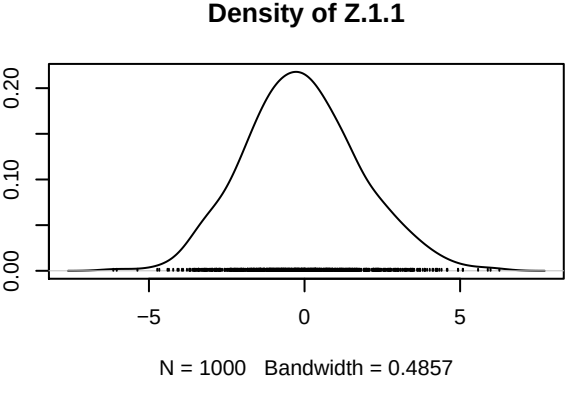

Trace of lpY
−1760
−1800
−1840
1.0e+07
1.4e+07
1.8e+07
Iterations

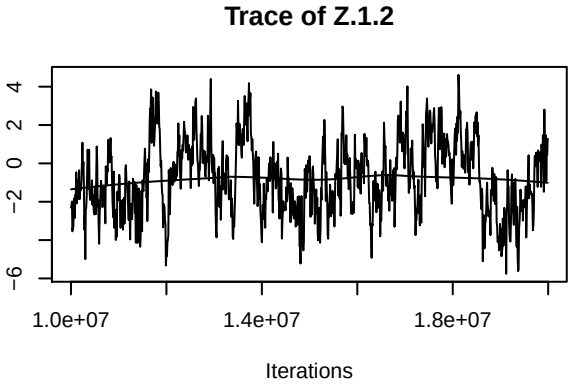

Density of lpY
0.030
0.015
0.000
−1840
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.868

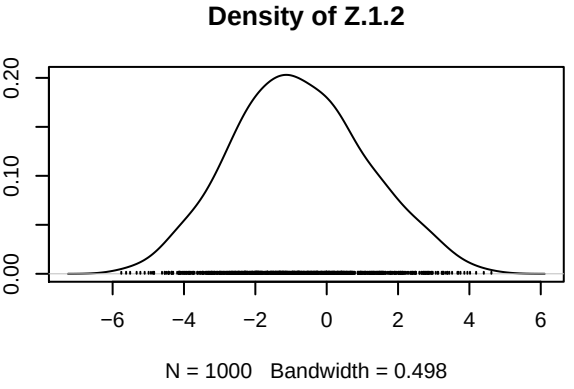

Trace of beta.1
2.0
1.0
0.0
1.0e+07
1.4e+07
1.8e+07
Iterations

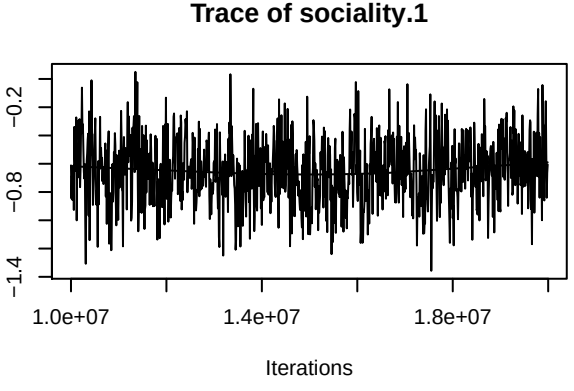

Density of beta.1
1.2
0.8
0.4
0.0
0.0
0.5
1.0
1.5
2.0
2.5
N = 1000 Bandwidth = 0.07347

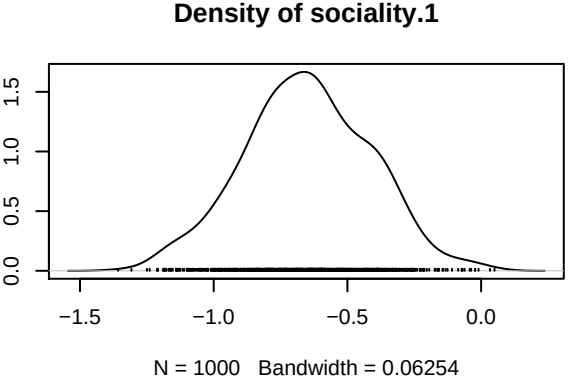

Trace of Z.1.1
6
4
2
−2
−6
1.0e+07
1.4e+07
1.8e+07
Iterations

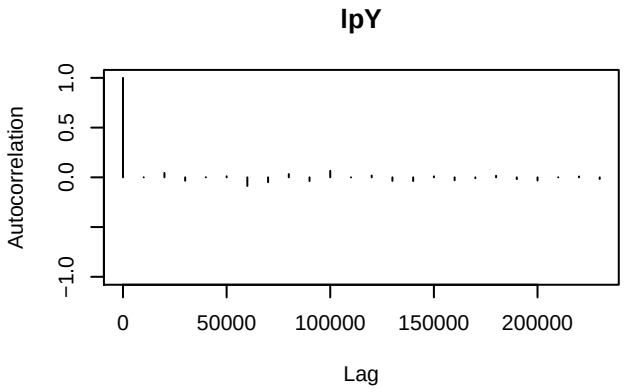

Density of Z.1.1
0.20
0.10
0.00
−5
0
5
N = 1000 Bandwidth = 0.4857

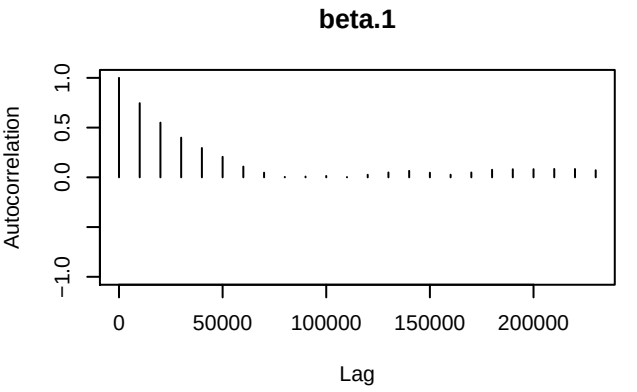

Trace of Z.1.2
−6
−2
0
2
4
1.0e+07
1.4e+07
1.8e+07
Iterations

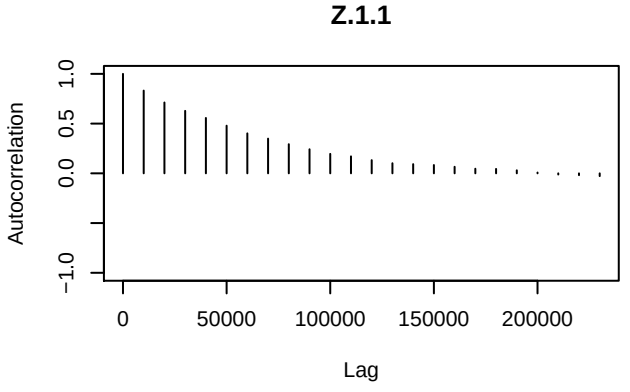

Density of Z.1.2
0.00
0.10
0.20
−6
−4
−2
0
2
4
6
N = 1000 Bandwidth = 0.498

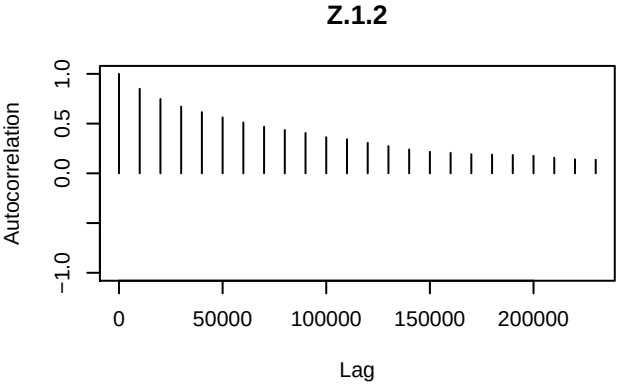

Trace of sociality.1
−1.4
−0.8
−0.2
1.0e+07
1.4e+07
1.8e+07
Iterations

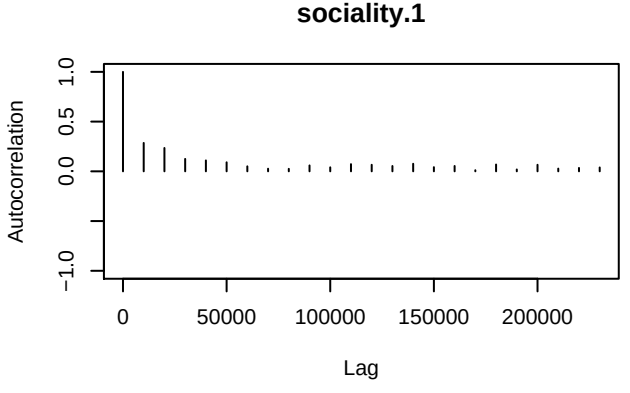

Density of sociality.1
0.0
0.5
1.0
1.5
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06254

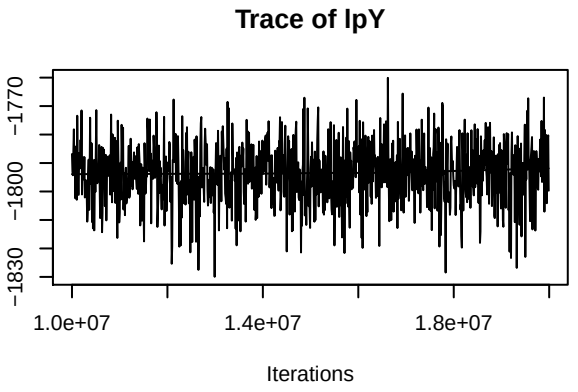

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

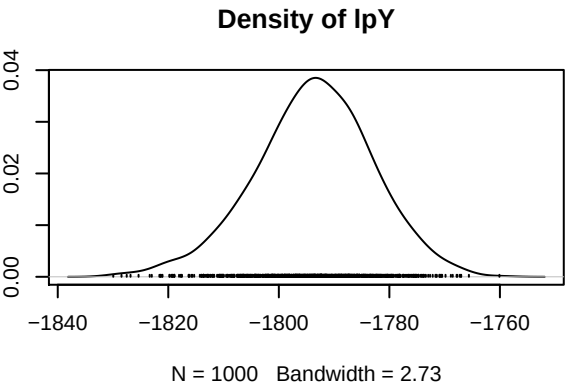

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

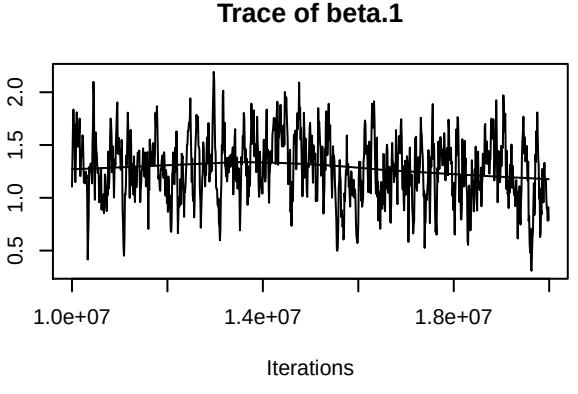

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

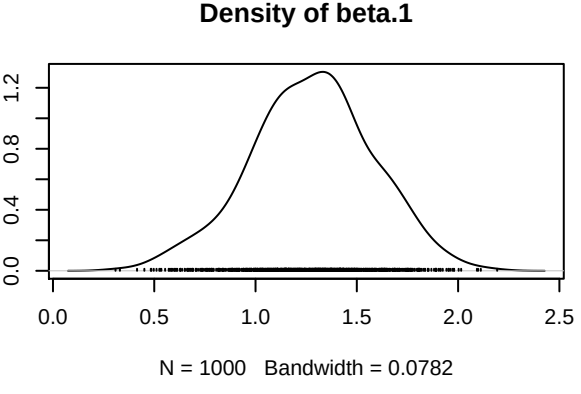

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

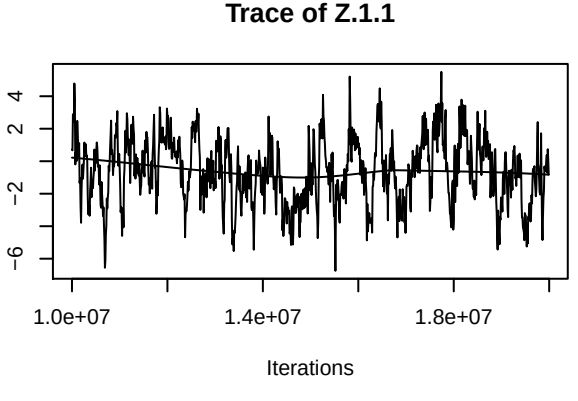

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

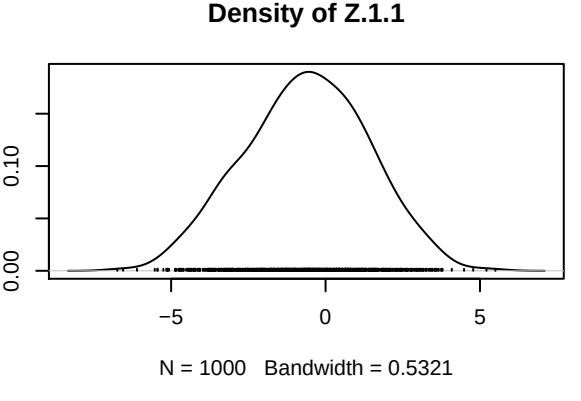

Trace of lpY
−1770
−1800
−1830
1.0e+07
1.4e+07
1.8e+07
Iterations

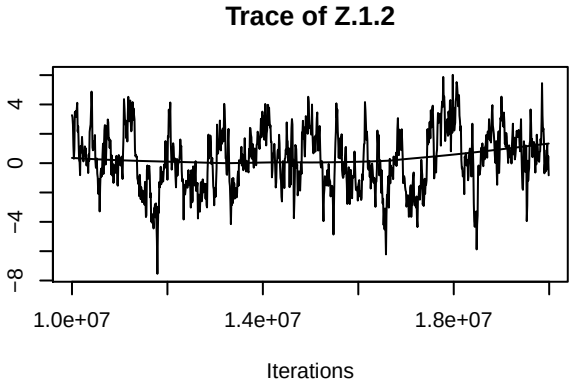

Density of lpY
0.04
0.02
0.00
−1840
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.73

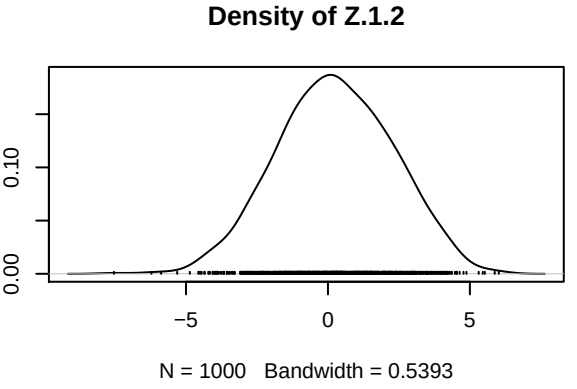

Trace of beta.1
2.0
1.5
1.0
0.5
1.0e+07
1.4e+07
1.8e+07
Iterations

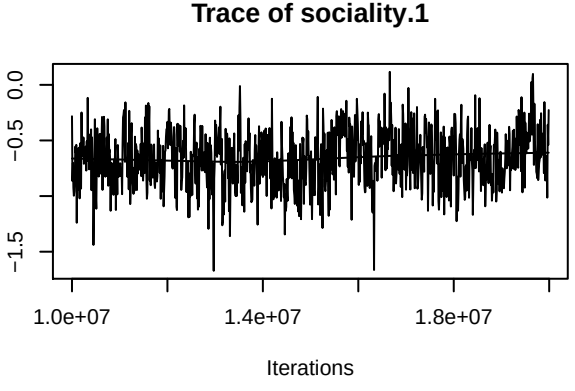

Density of beta.1
1.2
0.8
0.4
0.0
0.0
0.5
1.0
1.5
2.0
2.5
N = 1000 Bandwidth = 0.0782

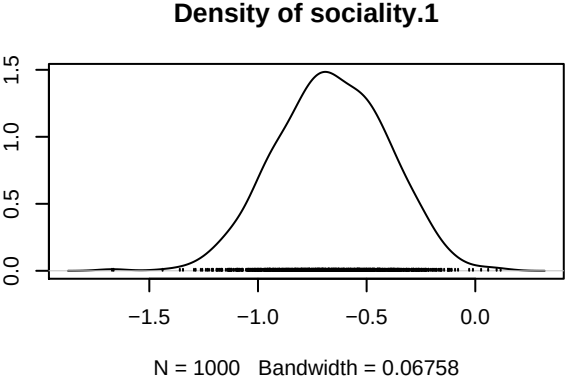

Trace of Z.1.1
4
2
−2
−6
1.0e+07
1.4e+07
1.8e+07
Iterations

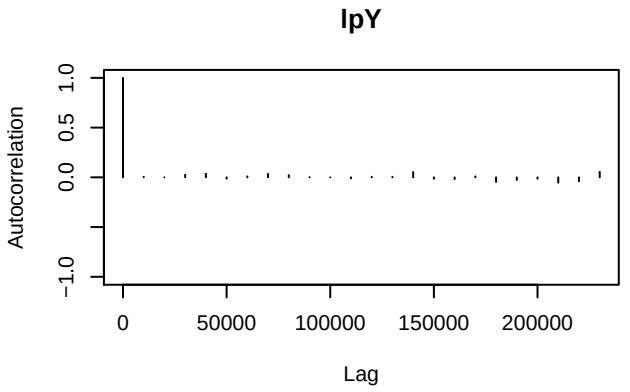

Density of Z.1.1
0.10
0.00
−5
0
5
N = 1000 Bandwidth = 0.5321

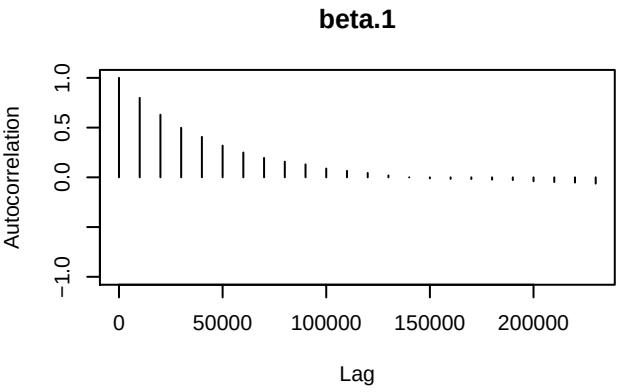

Trace of Z.1.2
4
0
−4
−8
1.0e+07
1.4e+07
1.8e+07
Iterations

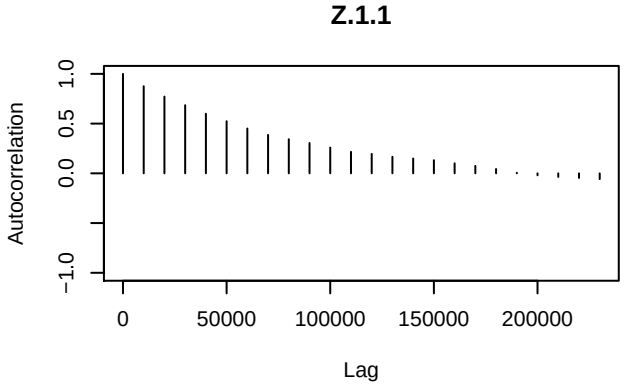

Density of Z.1.2
0.10
0.00
−5
0
5
N = 1000 Bandwidth = 0.5393

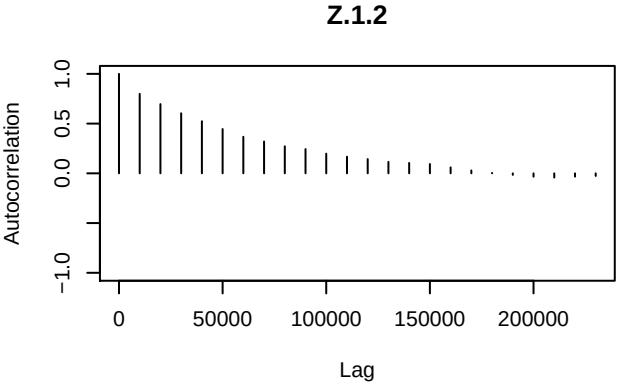

Trace of sociality.1
0.0
−0.5
−1.5
1.0e+07
1.4e+07
1.8e+07
Iterations

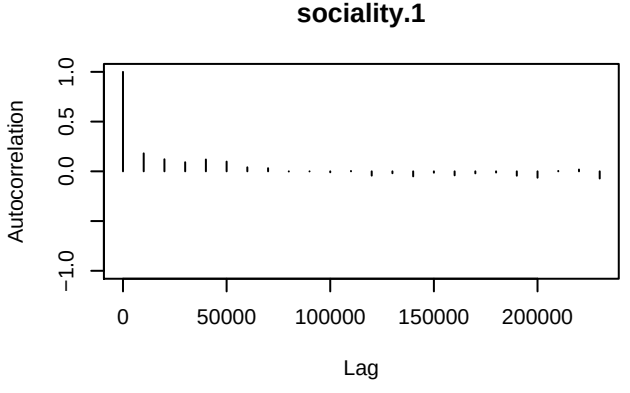

Density of sociality.1
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06758

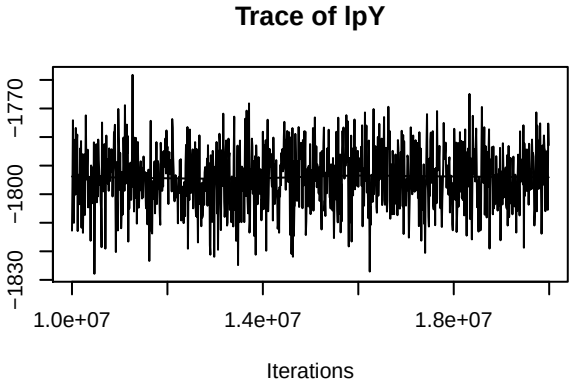

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

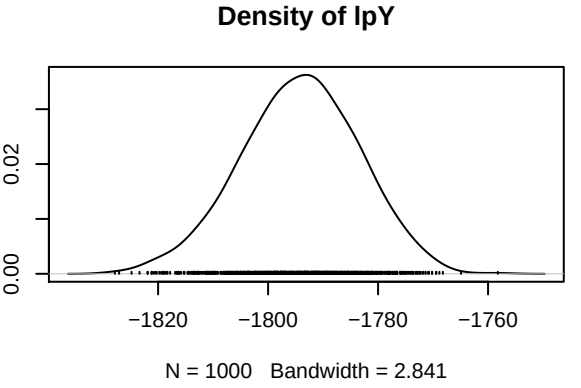

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

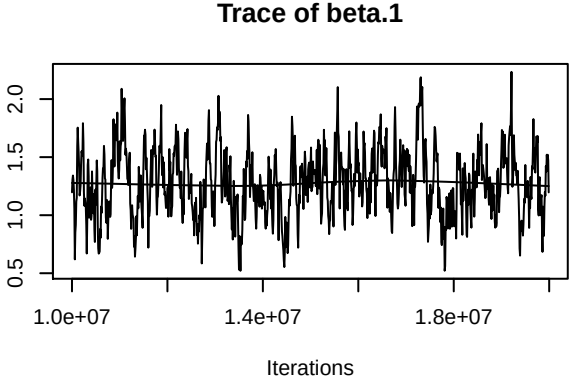

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

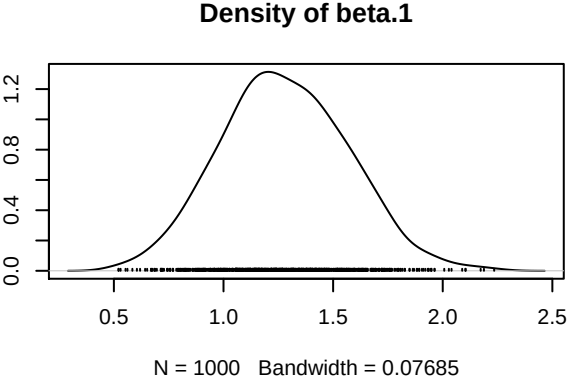

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

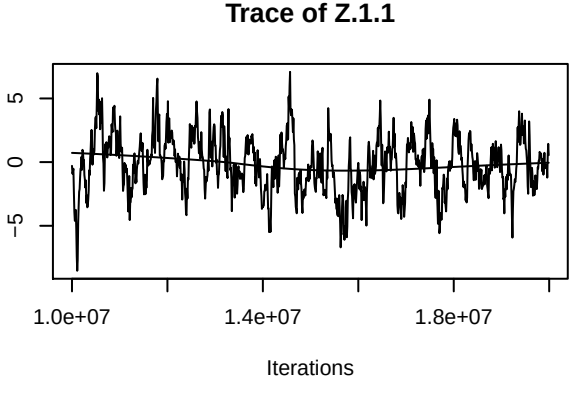

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

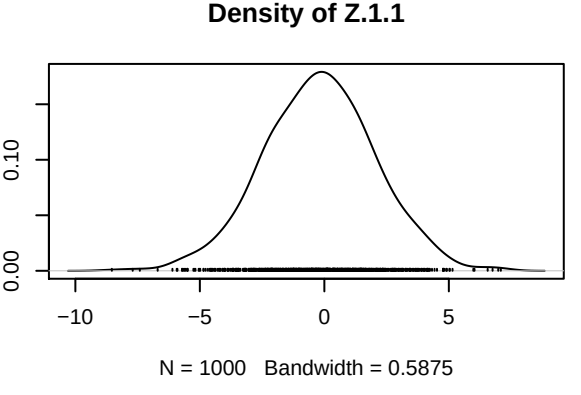

Trace of lpY
−1770
−1800
−1830
1.0e+07
1.4e+07
1.8e+07
Iterations

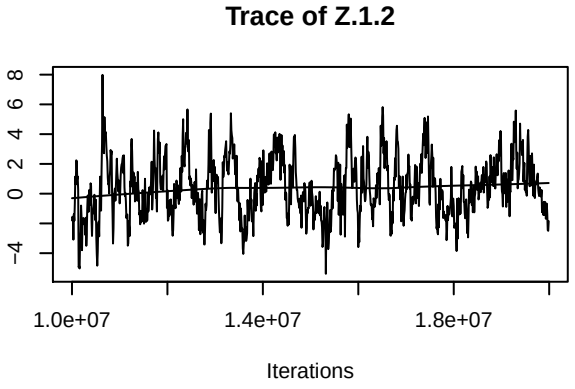

Density of lpY
0.02
0.00
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.841

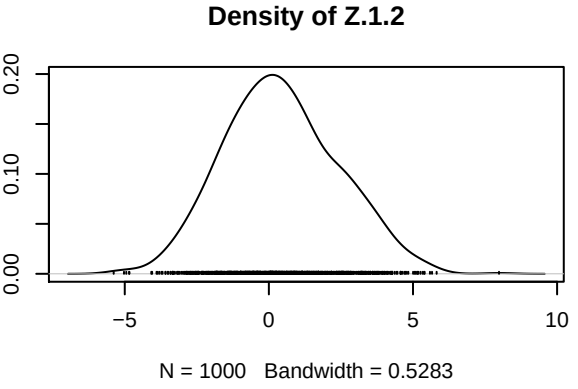

Trace of beta.1
2.0
1.5
1.0
0.5
1.0e+07
1.4e+07
1.8e+07
Iterations

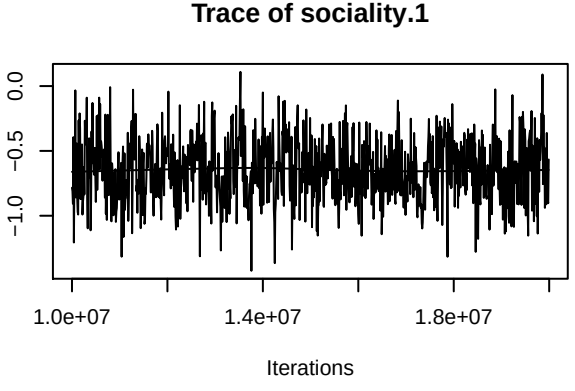

Density of beta.1
1.2
0.8
0.4
0.0
0.5
1.0
1.5
2.0
2.5
N = 1000 Bandwidth = 0.07685

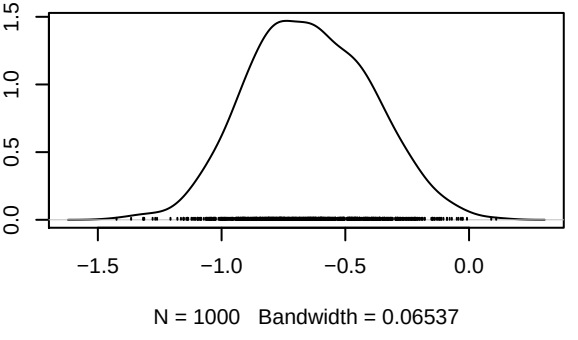

Trace of Z.1.1
5
0
−5
1.0e+07
1.4e+07
1.8e+07
Iterations

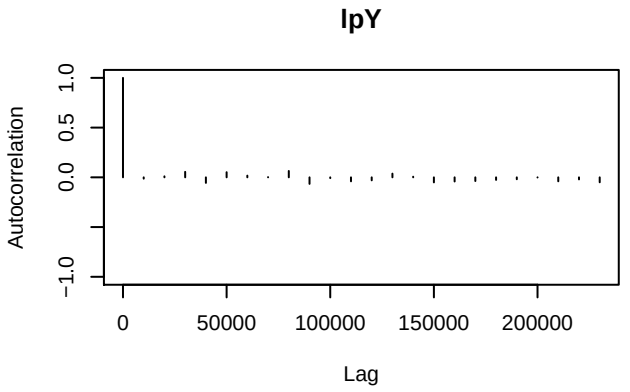

Density of Z.1.1
0.10
0.00
−10
−5
0
5
N = 1000 Bandwidth = 0.5875

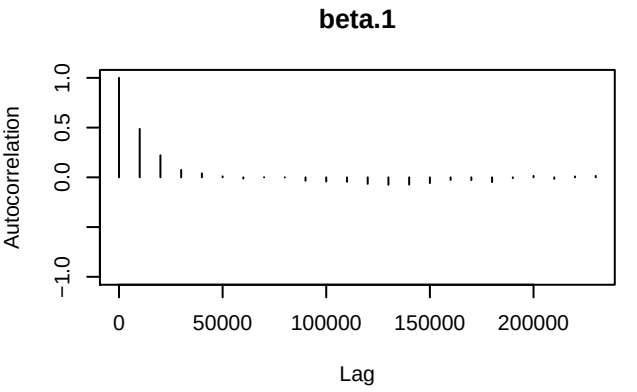

Trace of Z.1.2
−4
0
2
4
6
8
1.0e+07
1.4e+07
1.8e+07
Iterations

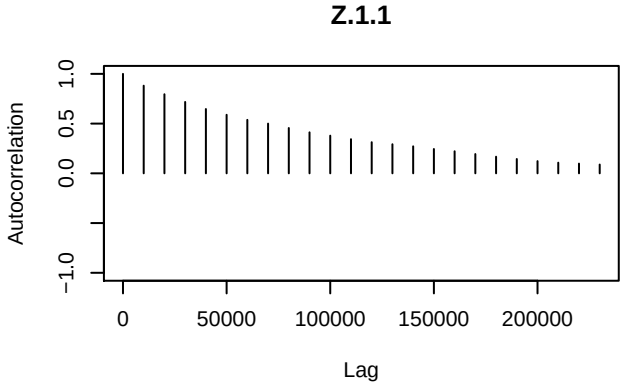

Density of Z.1.2
0.00
0.10
0.20
−5
0
5
10
N = 1000 Bandwidth = 0.5283

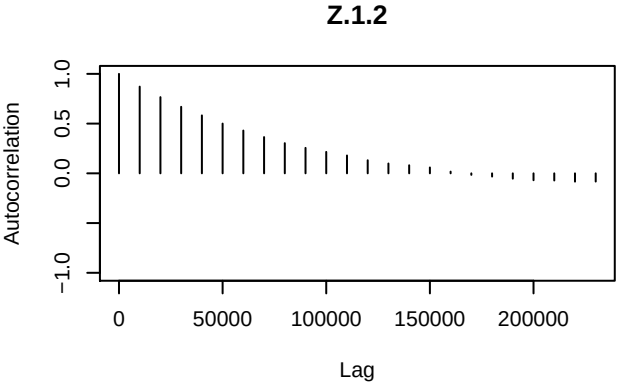

Trace of sociality.1
−1.0
−0.5
0.0
1.0e+07
1.4e+07
1.8e+07
Iterations

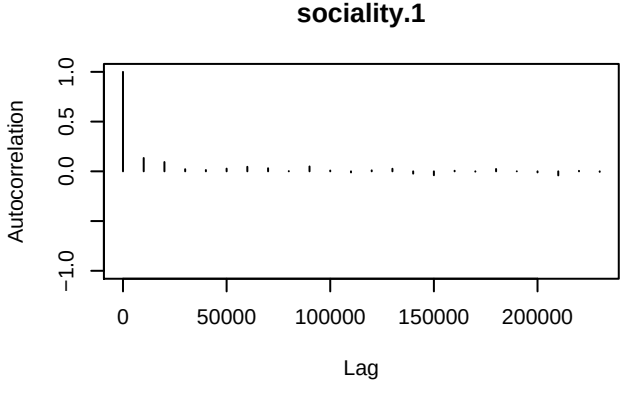

Density of sociality.1
0.0
0.5
1.0
1.5
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06537

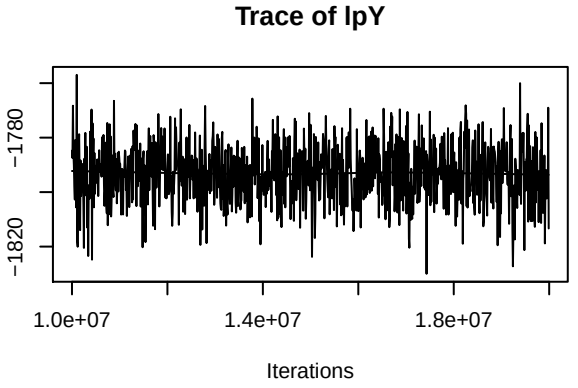

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

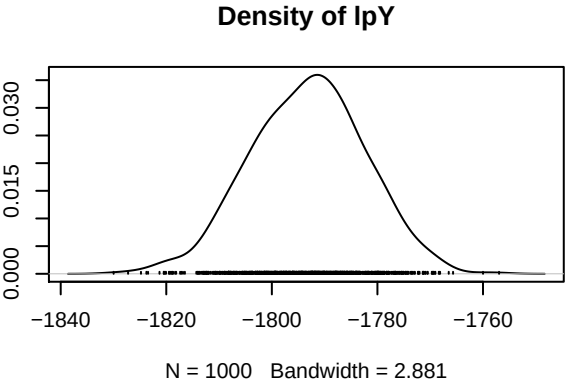

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

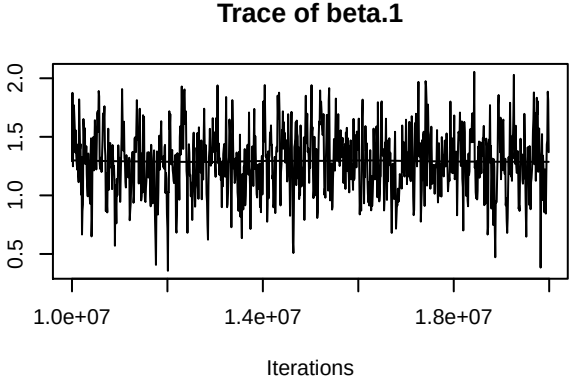

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

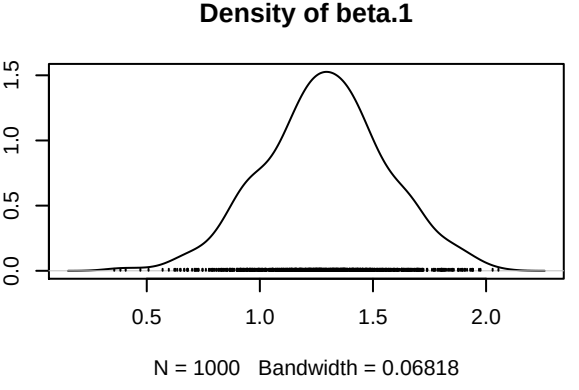

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

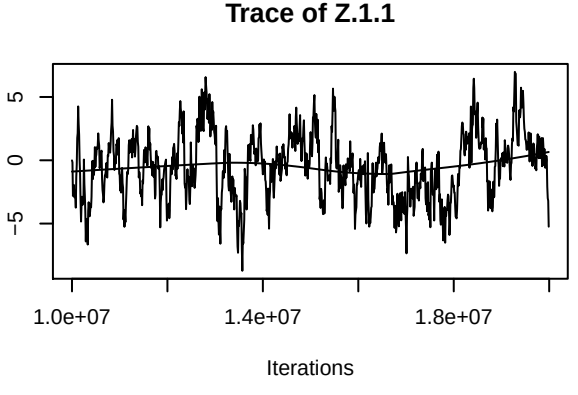

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

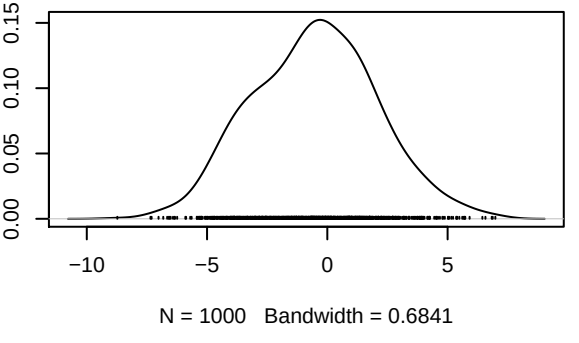

Trace of lpY
−1780
−1820
1.0e+07
1.4e+07
1.8e+07
Iterations

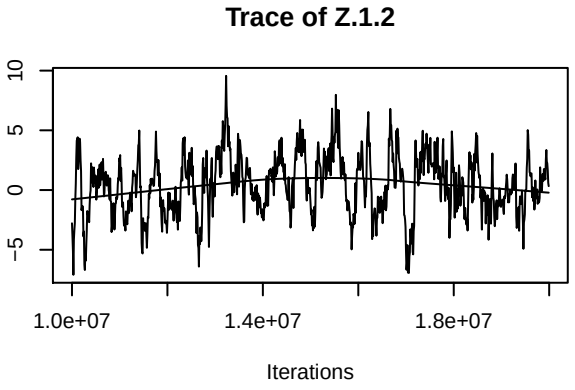

Density of lpY
0.030
0.015
0.000
−1840
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.881

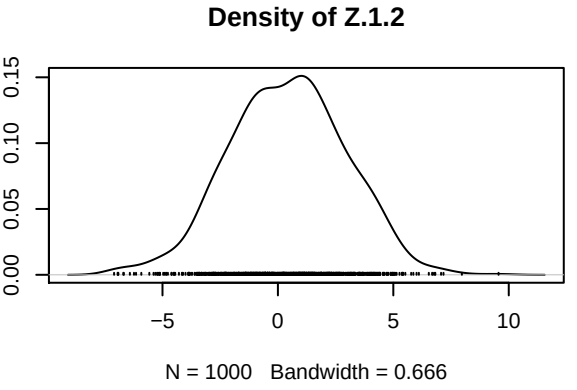

Trace of beta.1
2.0
1.5
1.0
0.5
1.0e+07
1.4e+07
1.8e+07
Iterations

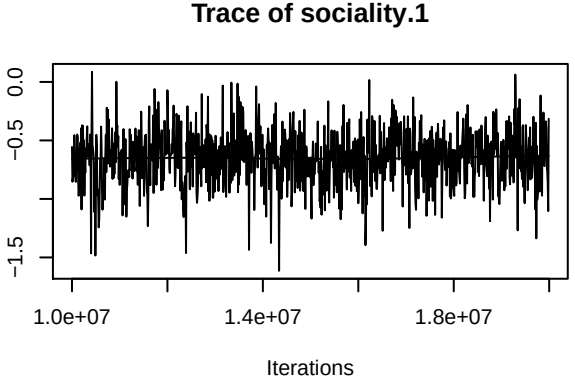

Density of beta.1
1.5
1.0
0.5
0.0
0.5
1.0
1.5
2.0
N = 1000 Bandwidth = 0.06818

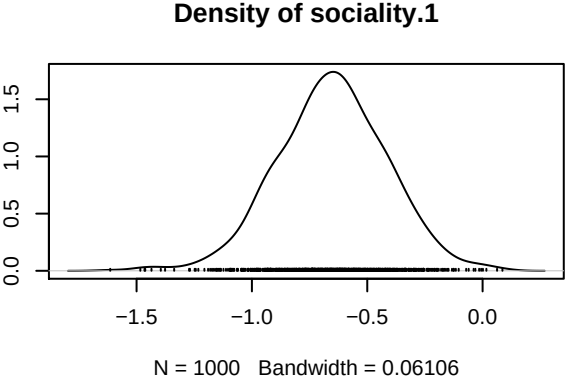

Trace of Z.1.1
5
0
−5
1.0e+07
1.4e+07
1.8e+07
Iterations

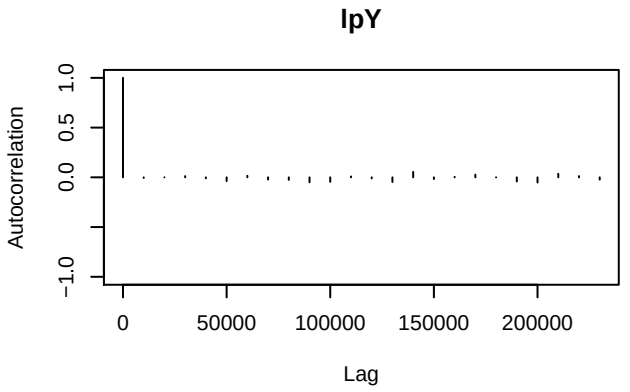

Density of Z.1.1
0.15
0.10
0.05
0.00
−10
−5
0
5
N = 1000 Bandwidth = 0.6841

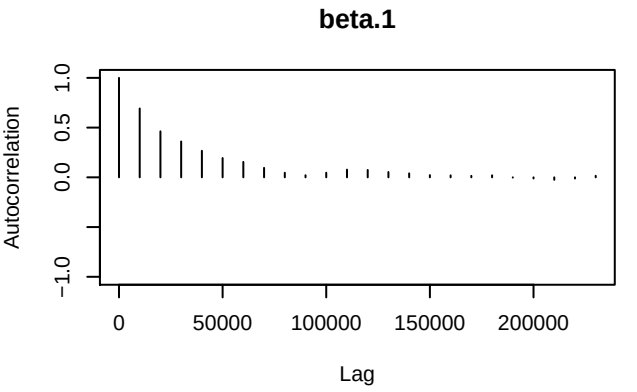

Trace of Z.1.2
10
5
0
−5
1.0e+07
1.4e+07
1.8e+07
Iterations

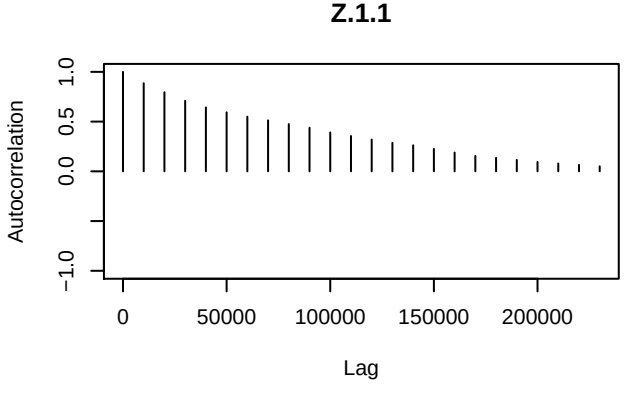

Density of Z.1.2
0.15
0.10
0.05
0.00
−5
0
5
10
N = 1000 Bandwidth = 0.666

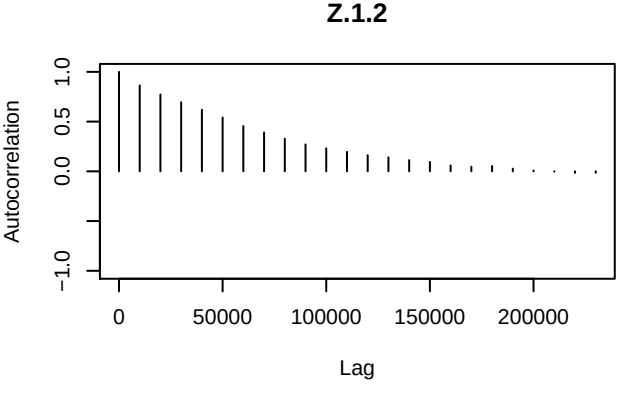

Trace of sociality.1
0.0
−0.5
−1.5
1.0e+07
1.4e+07
1.8e+07
Iterations

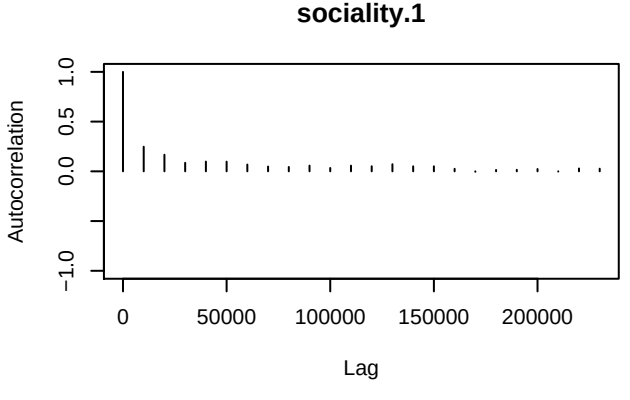

Density of sociality.1
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06106

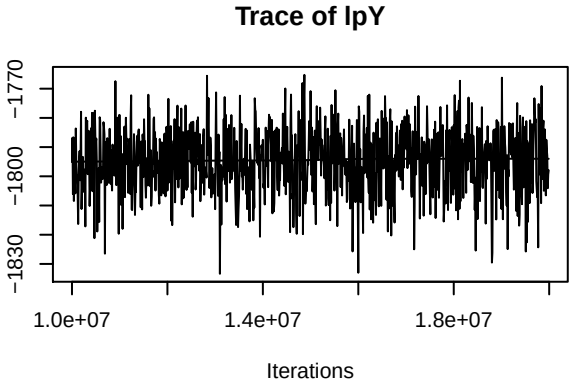

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

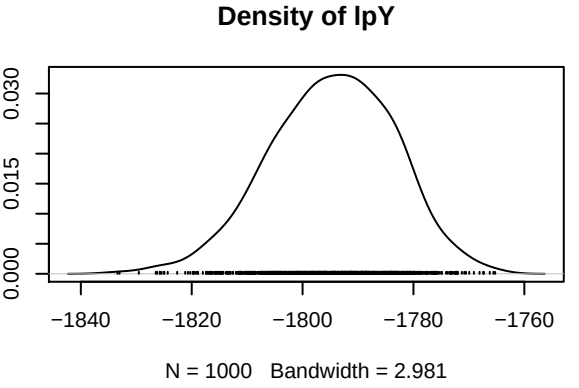

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

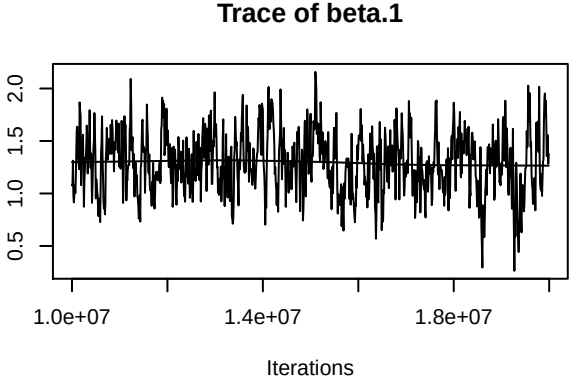

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

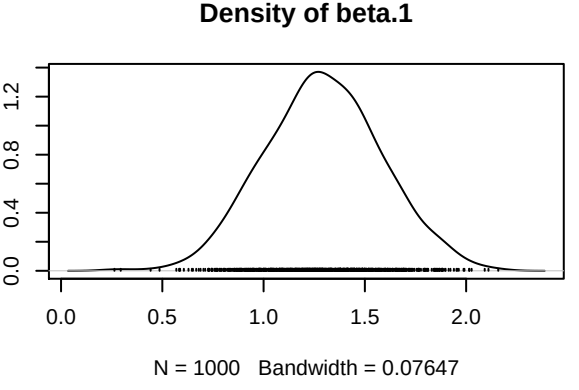

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

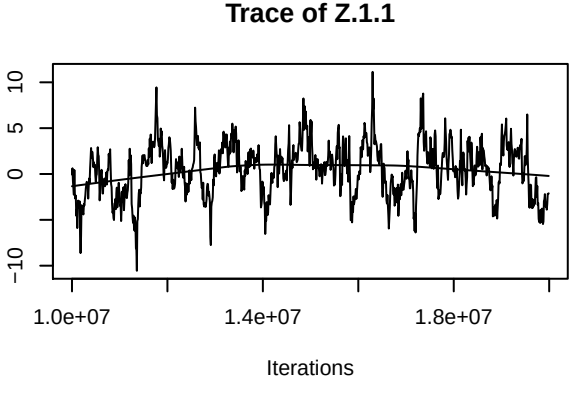

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

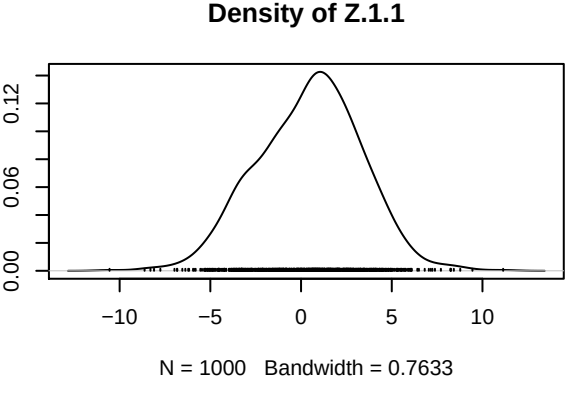

Trace of lpY
−1770
−1800
−1830
1.0e+07
1.4e+07
1.8e+07
Iterations

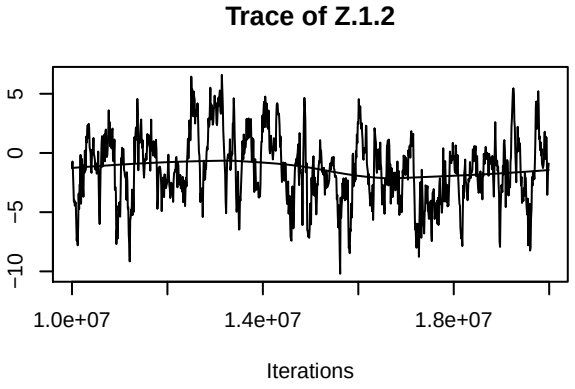

Density of lpY
0.030
0.015
0.000
−1840
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.981

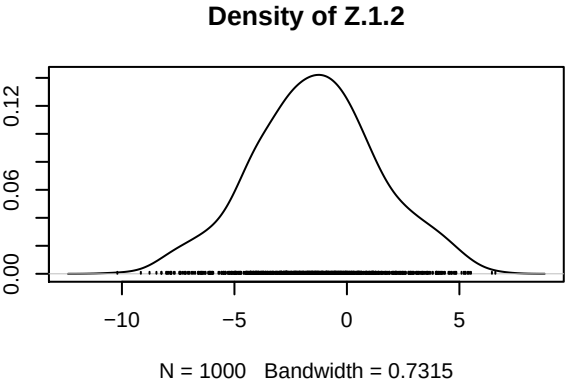

Trace of beta.1
2.0
1.5
1.0
0.5
1.0e+07
1.4e+07
1.8e+07
Iterations

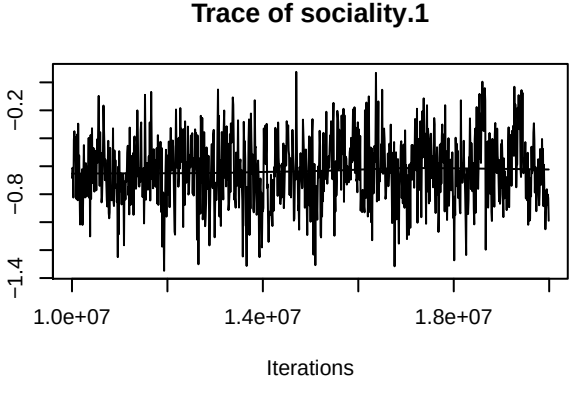

Density of beta.1
1.2
0.8
0.4
0.0
0.0
0.5
1.0
1.5
2.0
N = 1000 Bandwidth = 0.07647

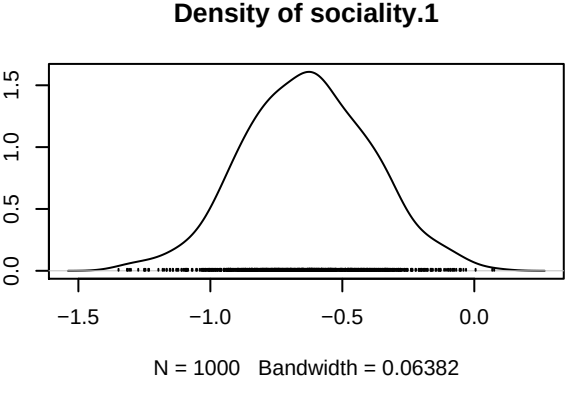

Trace of Z.1.1
10
5
0
−10
1.0e+07
1.4e+07
1.8e+07
Iterations

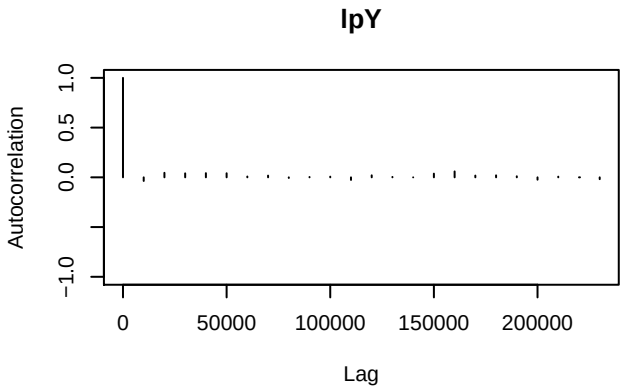

Density of Z.1.1
0.12
0.06
0.00
−10
−5
0
5
10
N = 1000 Bandwidth = 0.7633

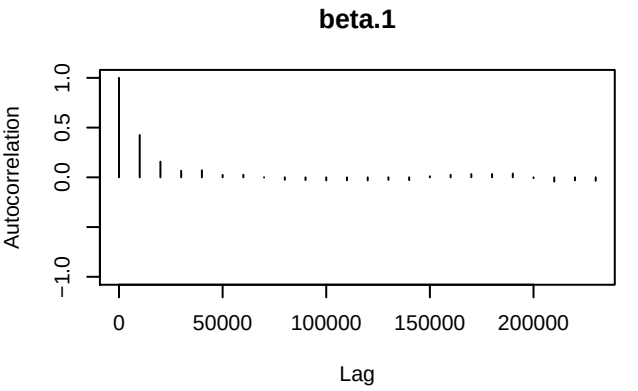

Trace of Z.1.2
5
0
−5
−10
1.0e+07
1.4e+07
1.8e+07
Iterations

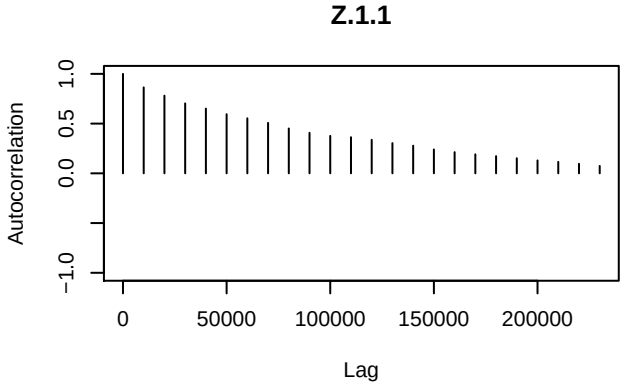

Density of Z.1.2
0.12
0.06
0.00
−10
−5
0
5
N = 1000 Bandwidth = 0.7315

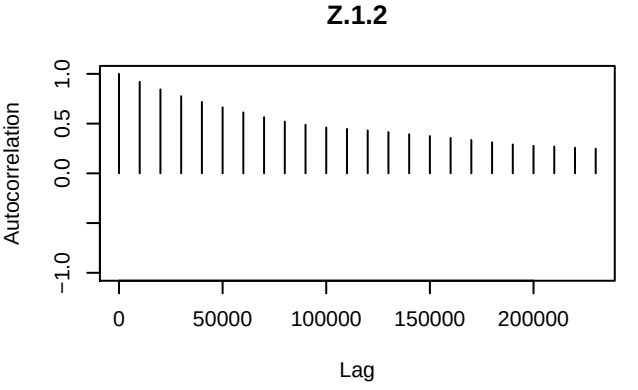

Trace of sociality.1
−0.2
−0.8
−1.4
1.0e+07
1.4e+07
1.8e+07
Iterations

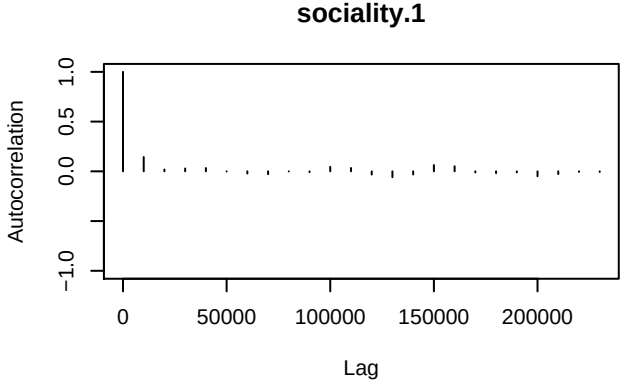

Density of sociality.1
1.5
1.0
0.5
0.0
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06382

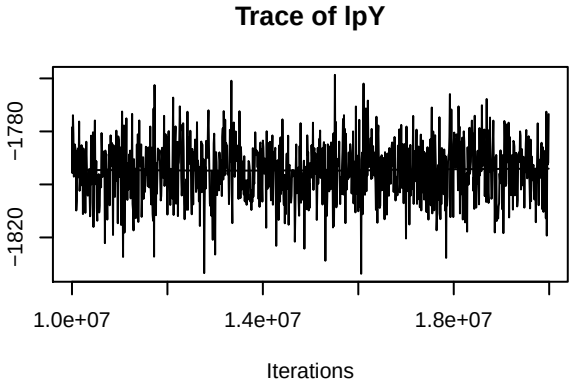

lpY
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

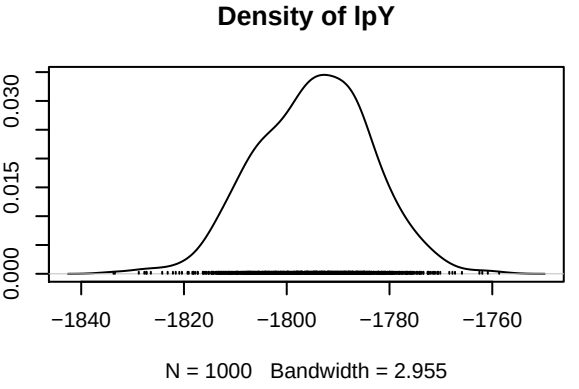

beta.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

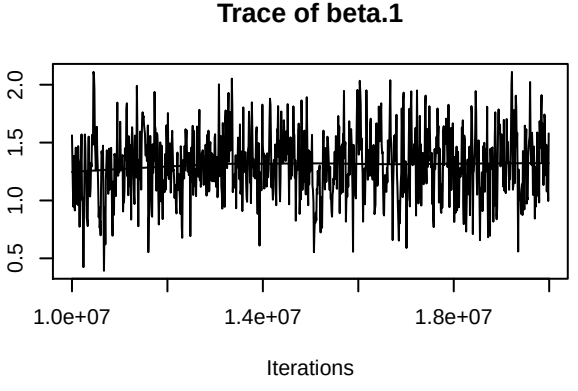

Z.1.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

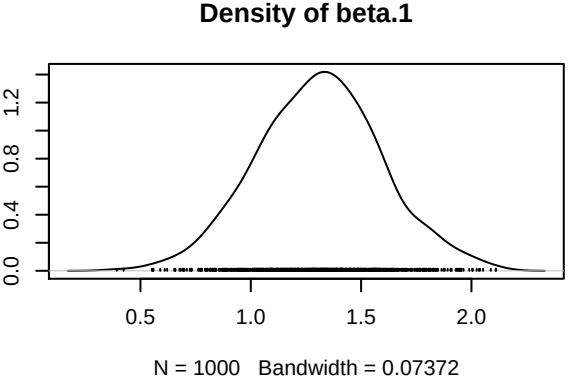

Z.1.2
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

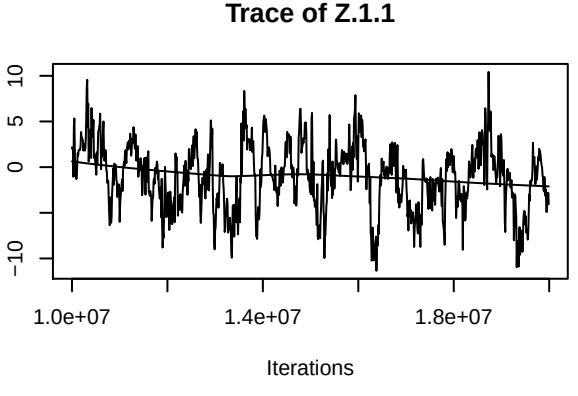

sociality.1
Autocorrelation
1.0
0.5
0.0
−1.0
0
50000
100000
150000
200000
Lag

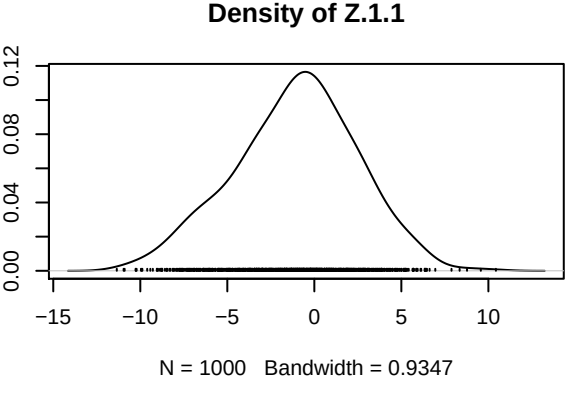

Trace of lpY
−1780
−1820
1.0e+07
1.4e+07
1.8e+07
Iterations

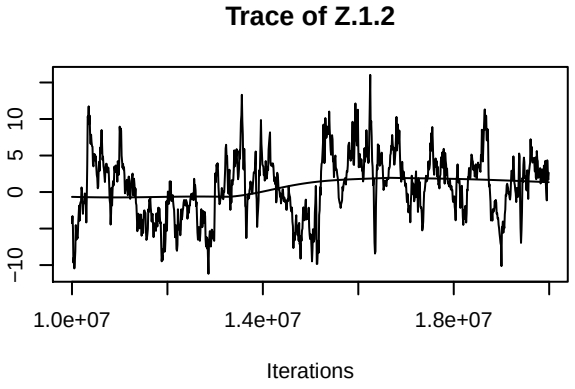

Density of lpY
0.030
0.015
0.000
−1840
−1820
−1800
−1780
−1760
N = 1000 Bandwidth = 2.955

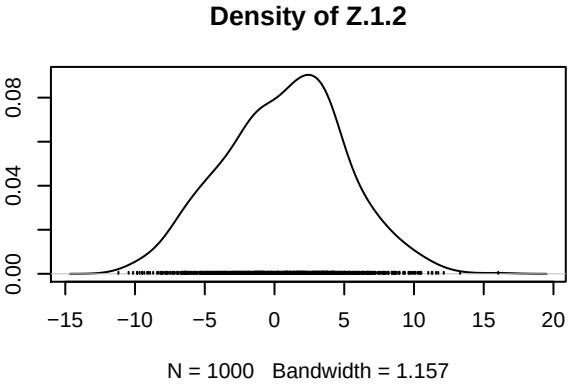

Trace of beta.1
2.0
1.5
1.0
0.5
1.0e+07
1.4e+07
1.8e+07
Iterations

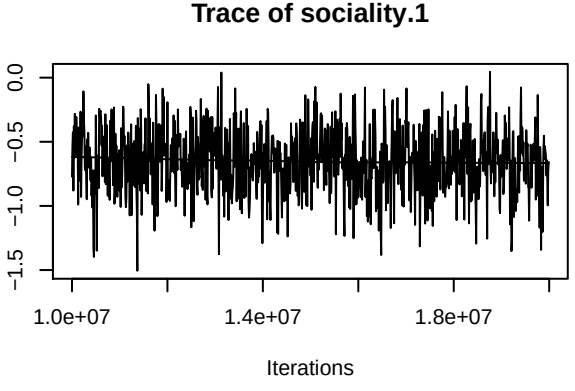

Density of beta.1
1.2
0.8
0.4
0.0
0.5
1.0
1.5
2.0
N = 1000 Bandwidth = 0.07372

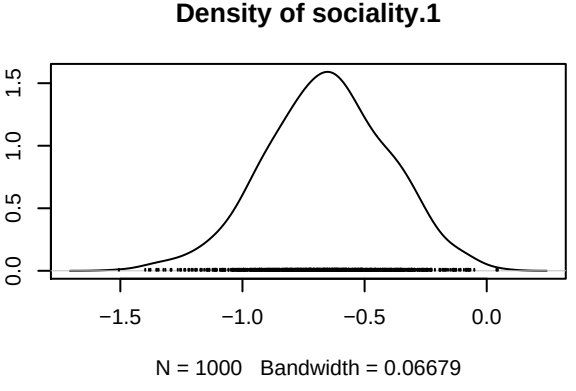

Trace of Z.1.1
10
5
0
−10
1.0e+07
1.4e+07
1.8e+07
Iterations


Density of Z.1.1
0.12
0.08
0.04
0.00
−15
−10
−5
0
5
10
N = 1000 Bandwidth = 0.9347


Trace of Z.1.2
−10
0
5
10
1.0e+07
1.4e+07
1.8e+07
Iterations


Density of Z.1.2
0.00
0.04
0.08
−15
−10
−5
0
5
10
15
20
N = 1000 Bandwidth = 1.157


Trace of sociality.1
−1.5
−1.0
−0.5
0.0
1.0e+07
1.4e+07
1.8e+07
Iterations


Density of sociality.1
0.0
0.5
1.0
1.5
−1.5
−1.0
−0.5
0.0
N = 1000 Bandwidth = 0.06679