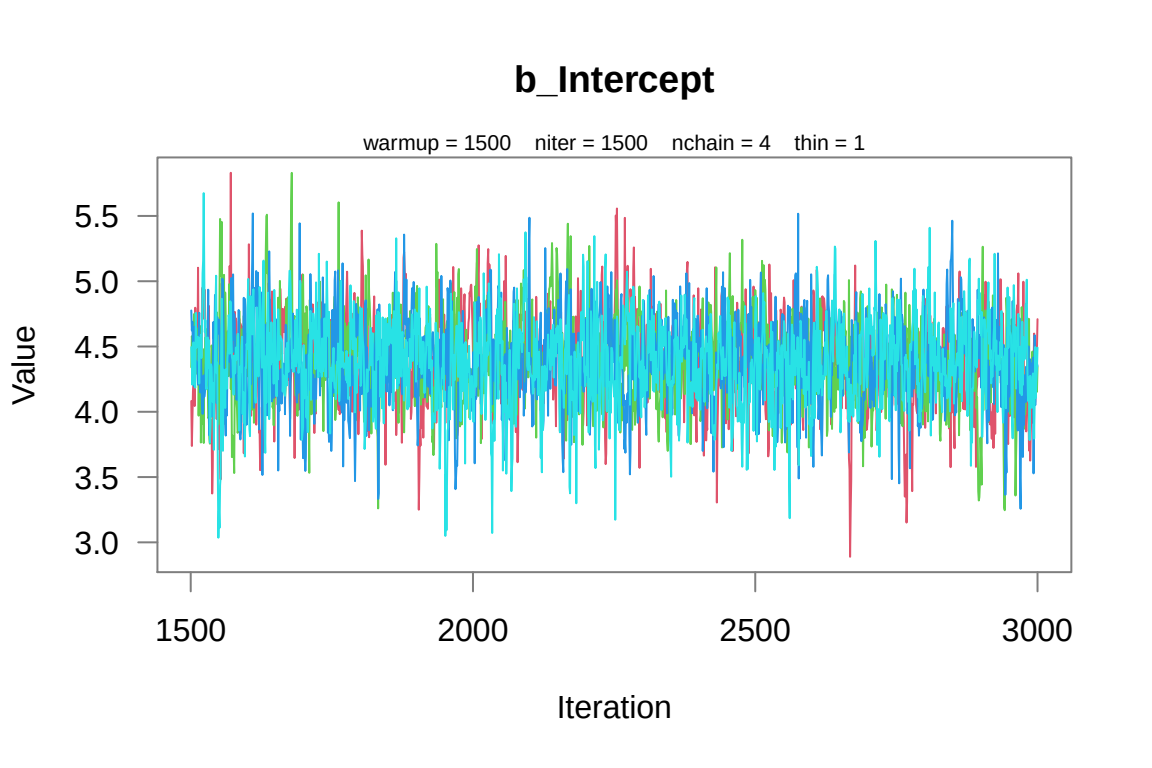
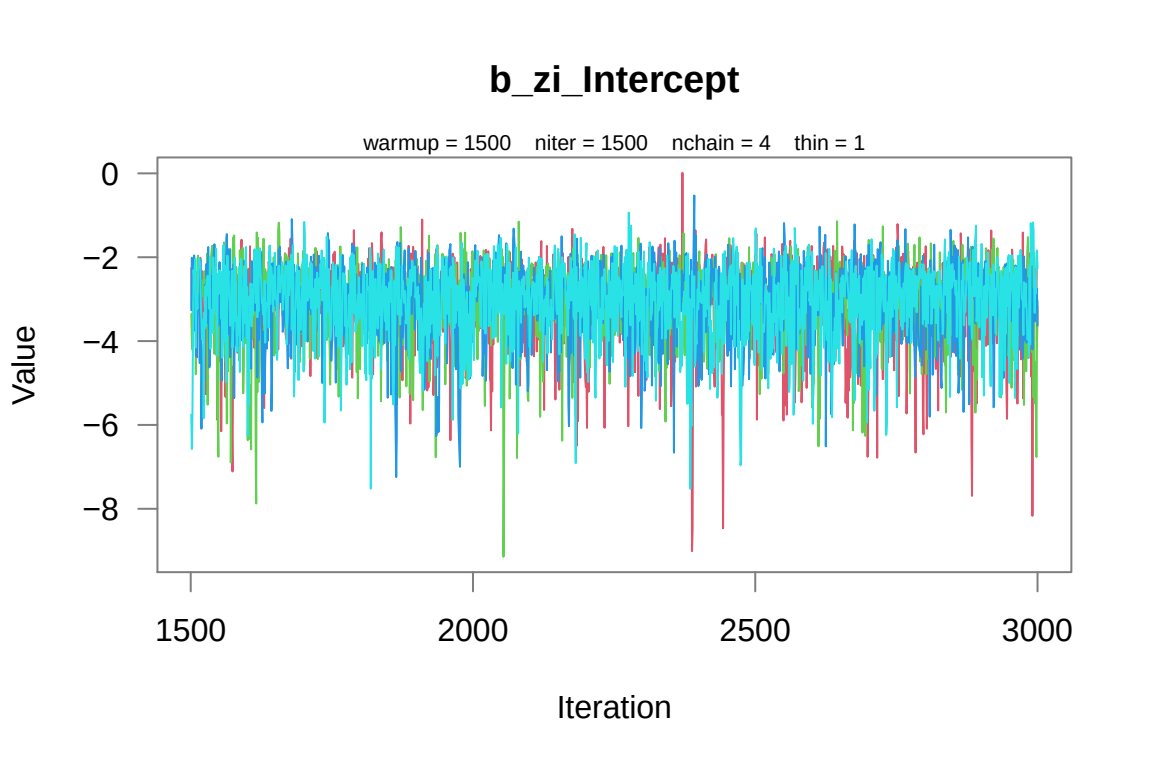
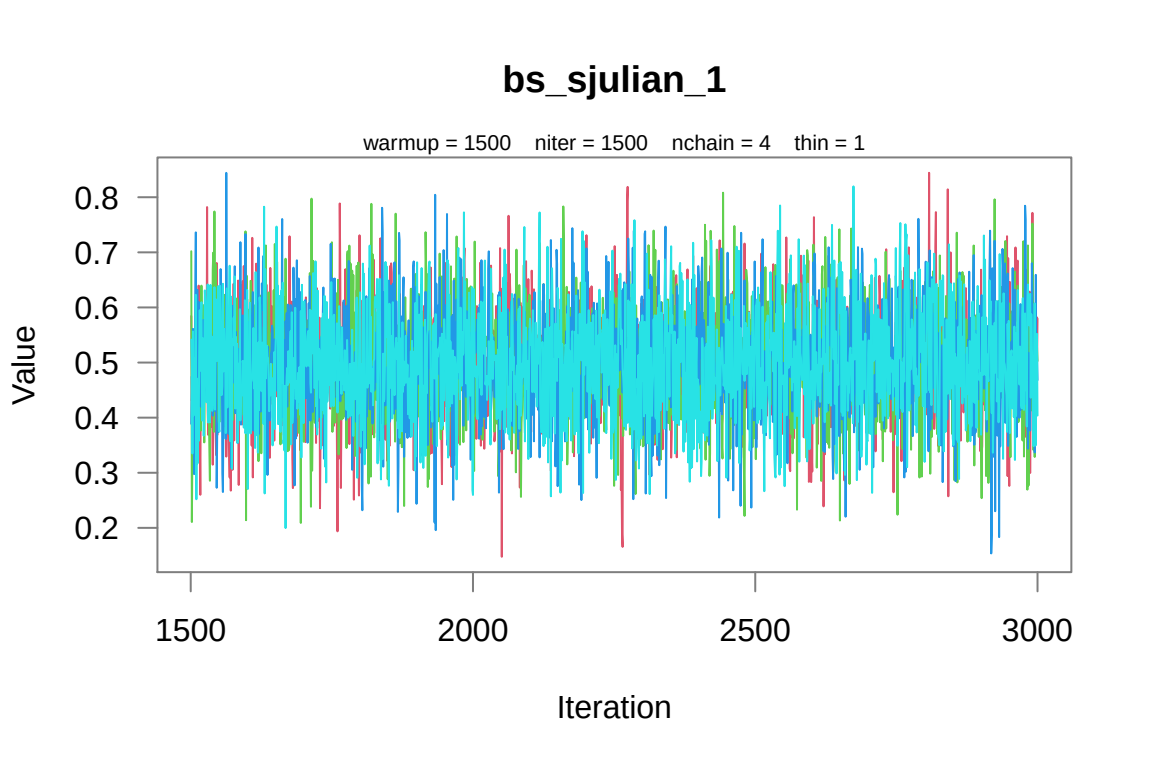
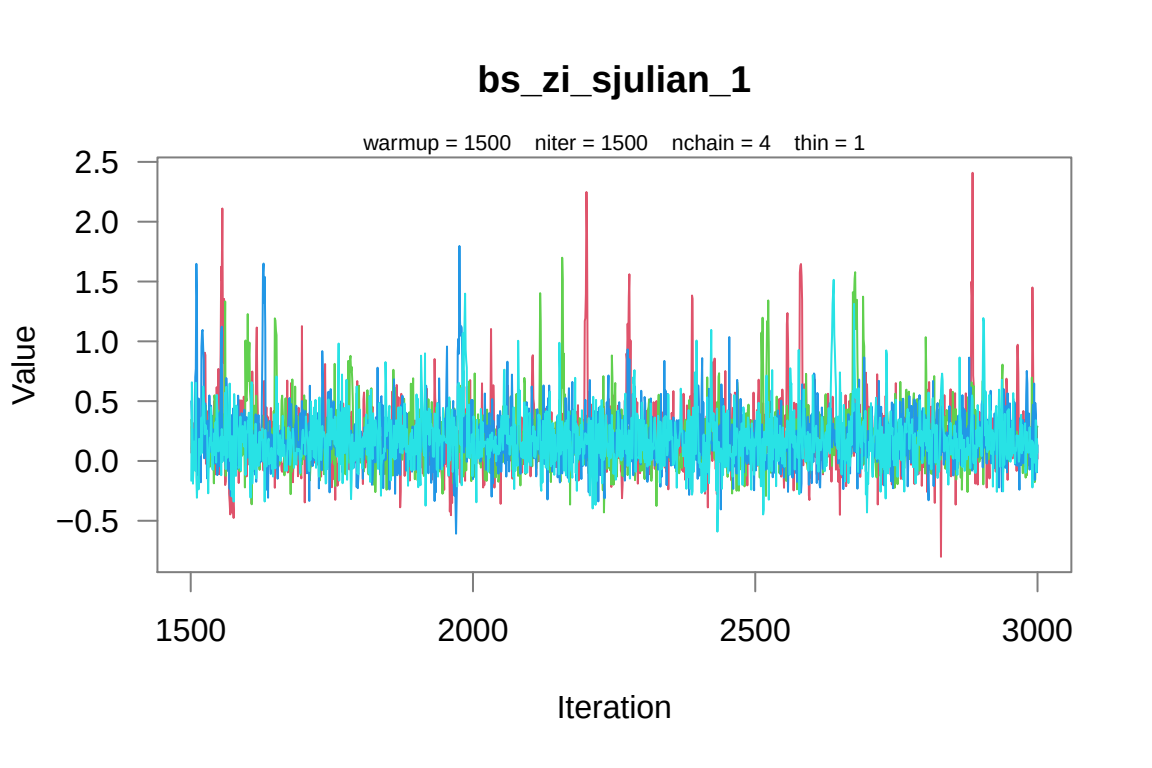
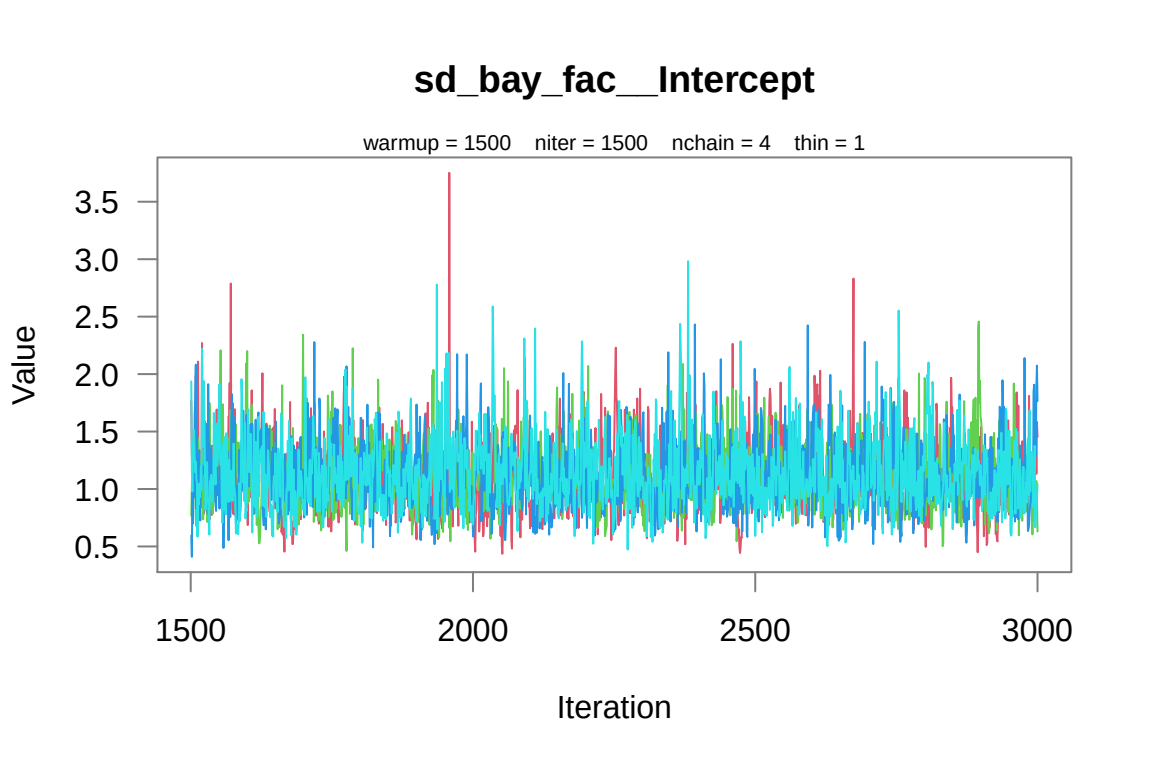
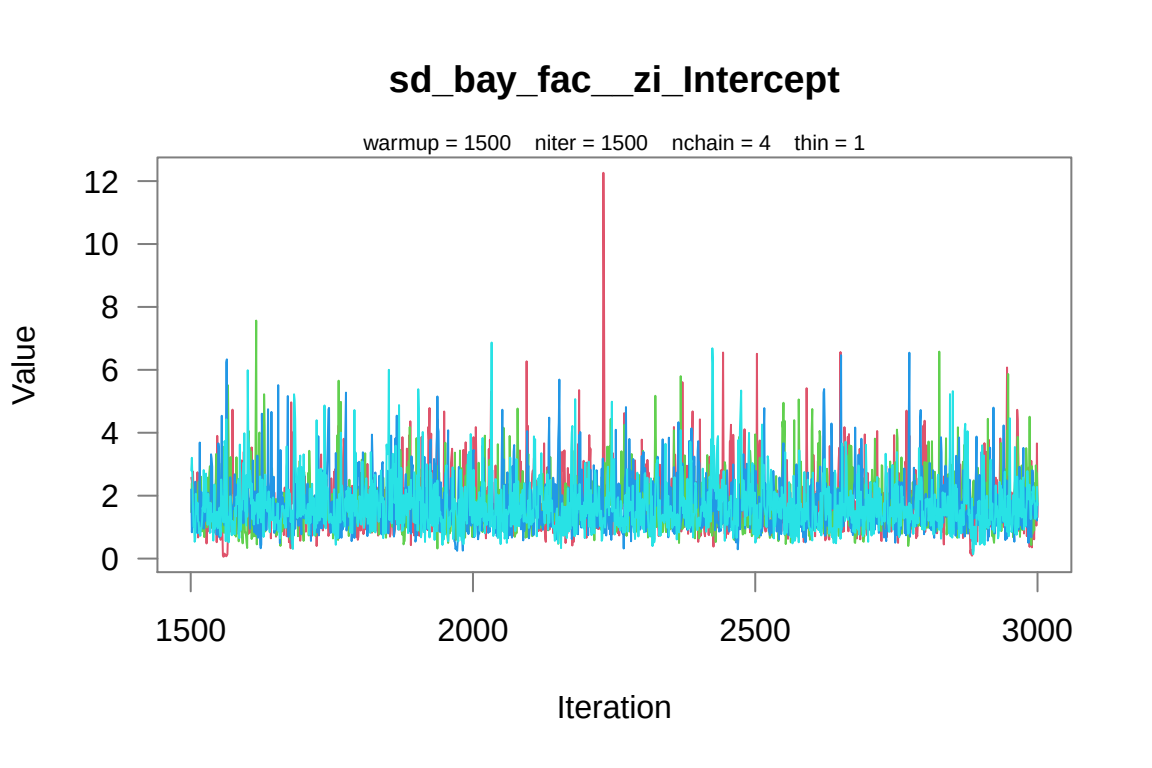

b_Intercept
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
5.5
5.0
4.5
4.0
3.5
3.0
1500
2000
2500
3000
Iteration

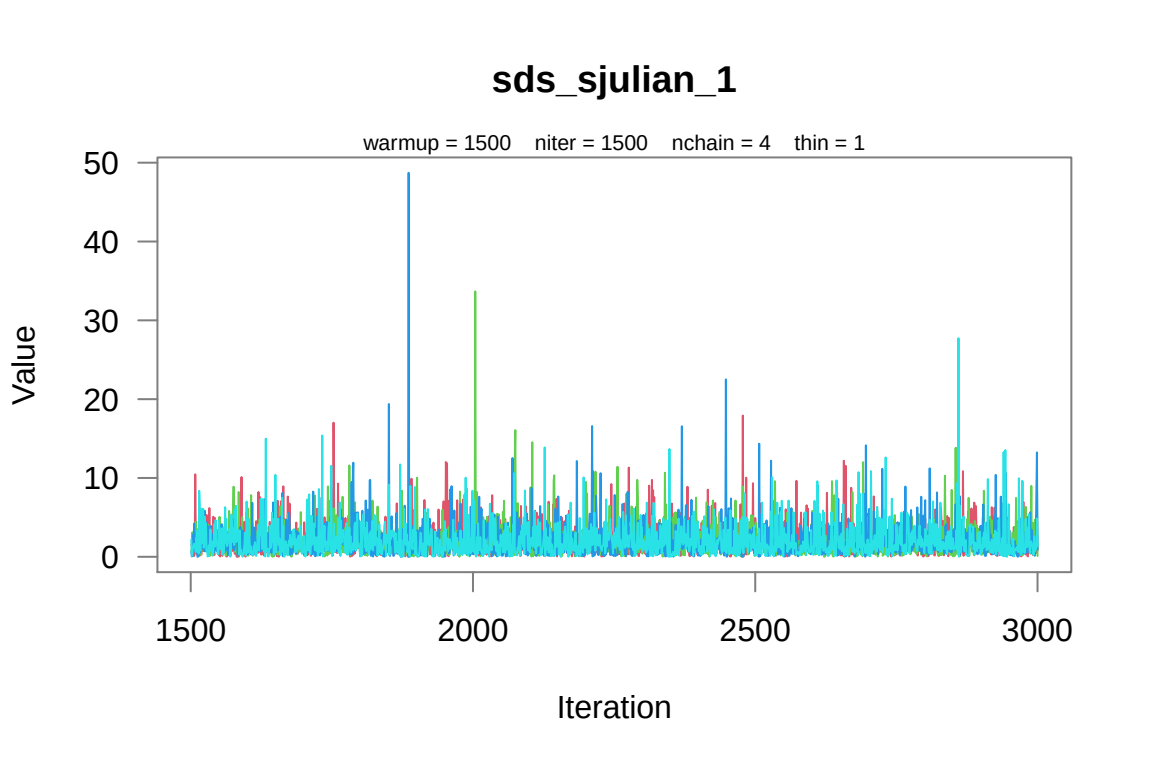

b_zi_Intercept
warmup = 1500 niter = 1500 nchain = 4 thin = 1
0
−2
−4
−6
−8
Value
1500
2000
2500
3000
Iteration

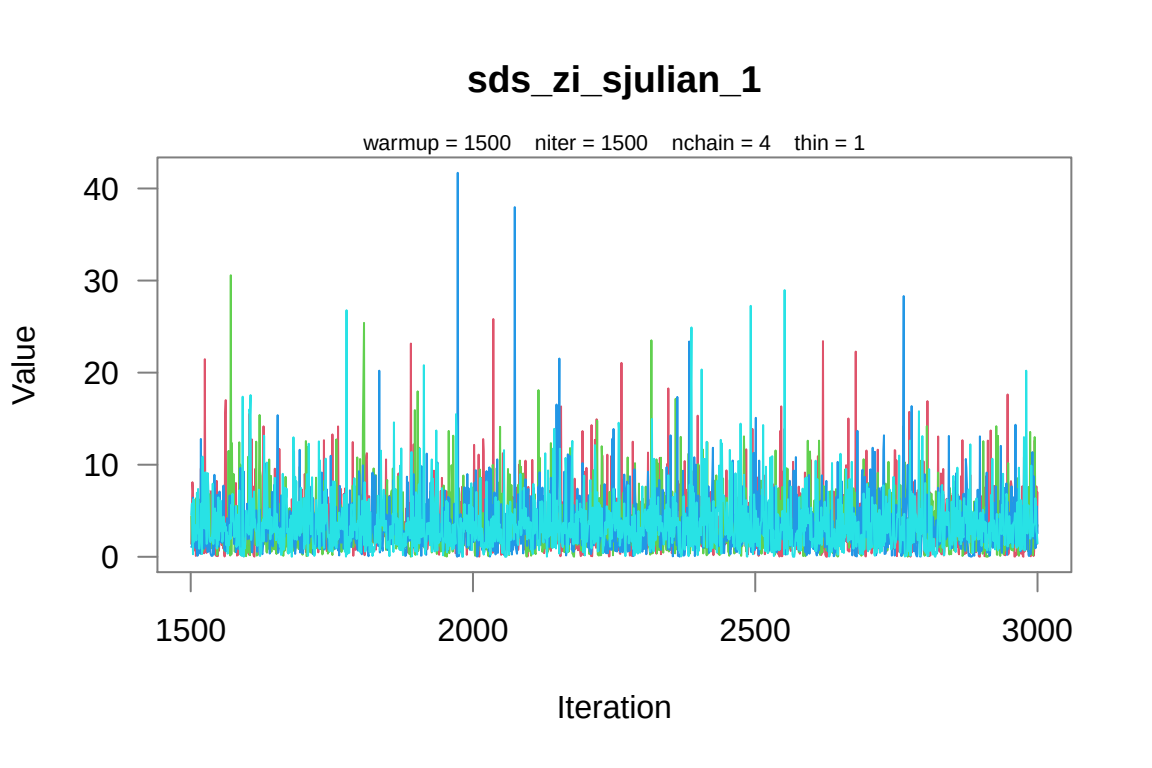

bs_sjulian_1
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
0.8
0.7
0.6
0.5
0.4
0.3
0.2
1500
2000
2500
3000
Iteration

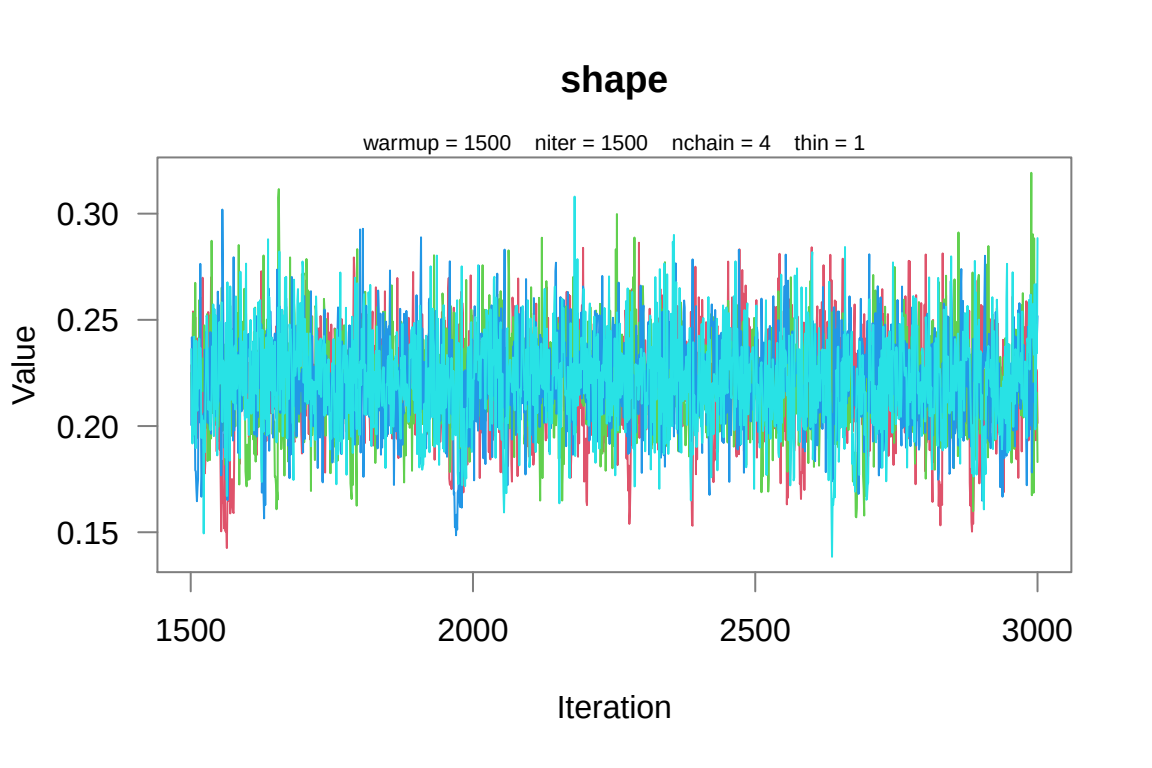

bs_zi_sjulian_1
warmup = 1500 niter = 1500 nchain = 4 thin = 1
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
Value
1500
2000
2500
3000
Iteration

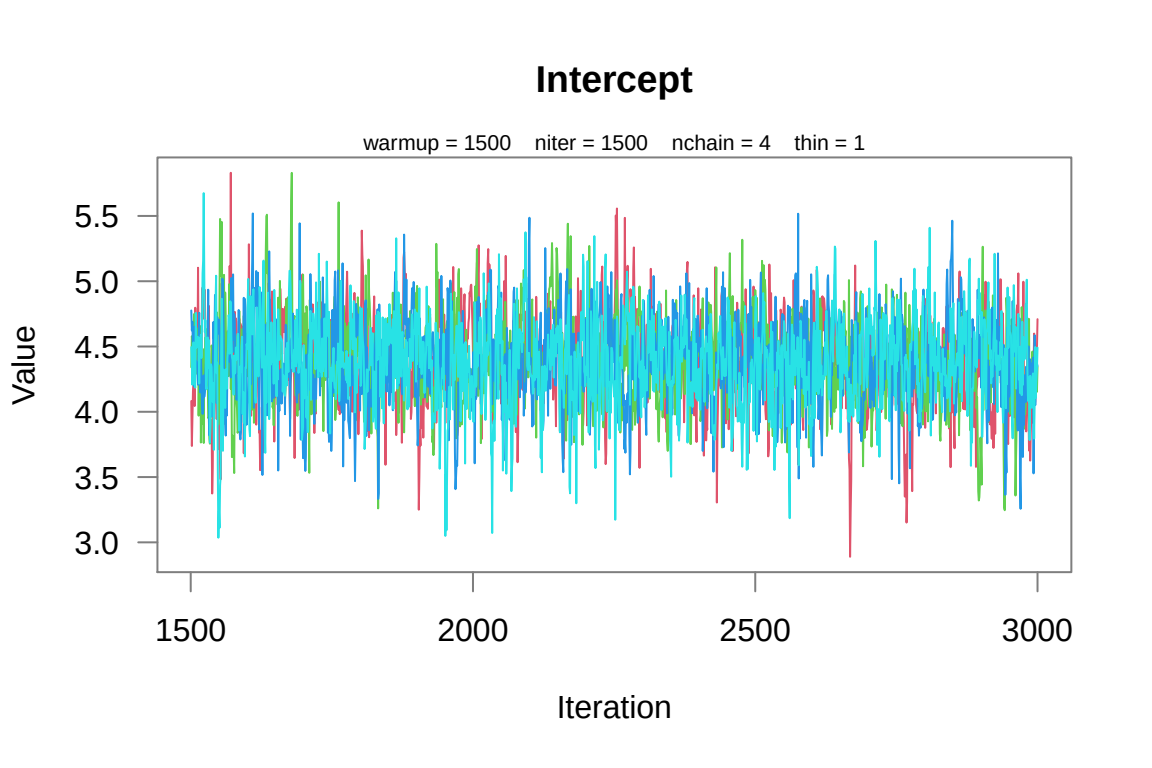

sd_bay_fac__Intercept
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3.5
3.0
2.5
2.0
1.5
1.0
0.5
1500
2000
2500
3000
Iteration

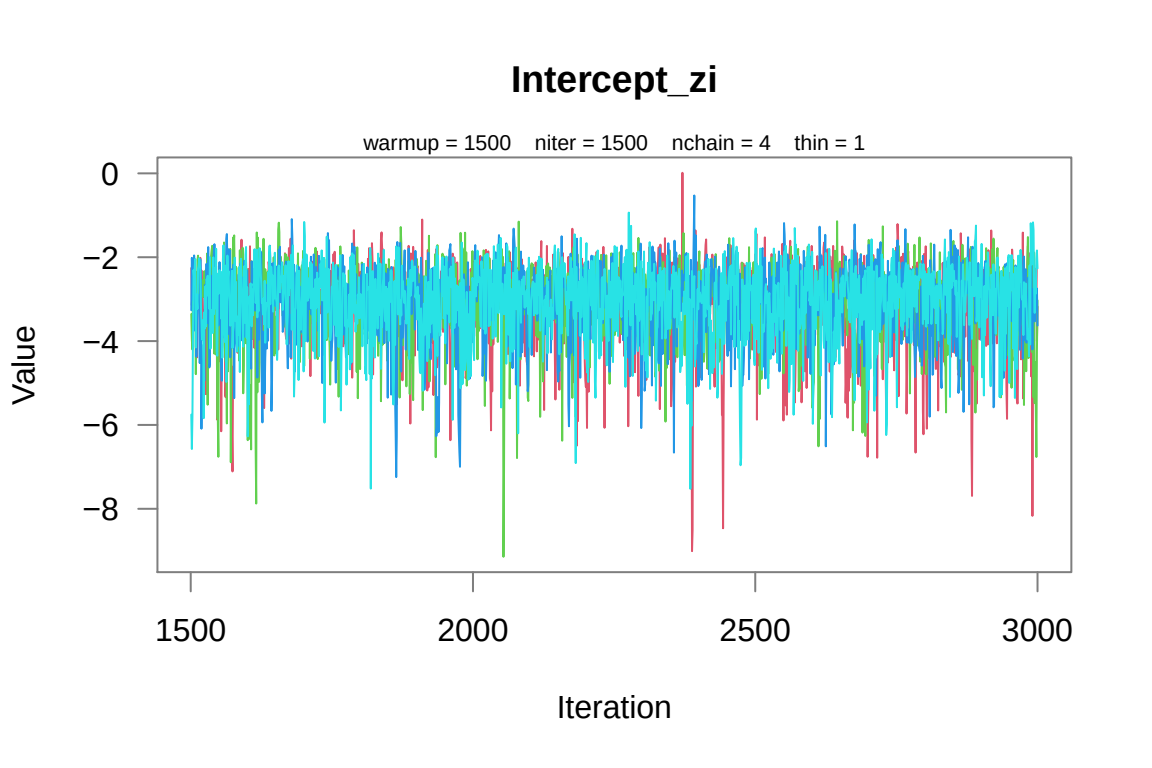

sd_bay_fac__zi_Intercept
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
0
2
4
6
8
10
12
1500
2000
2500
3000
Iteration

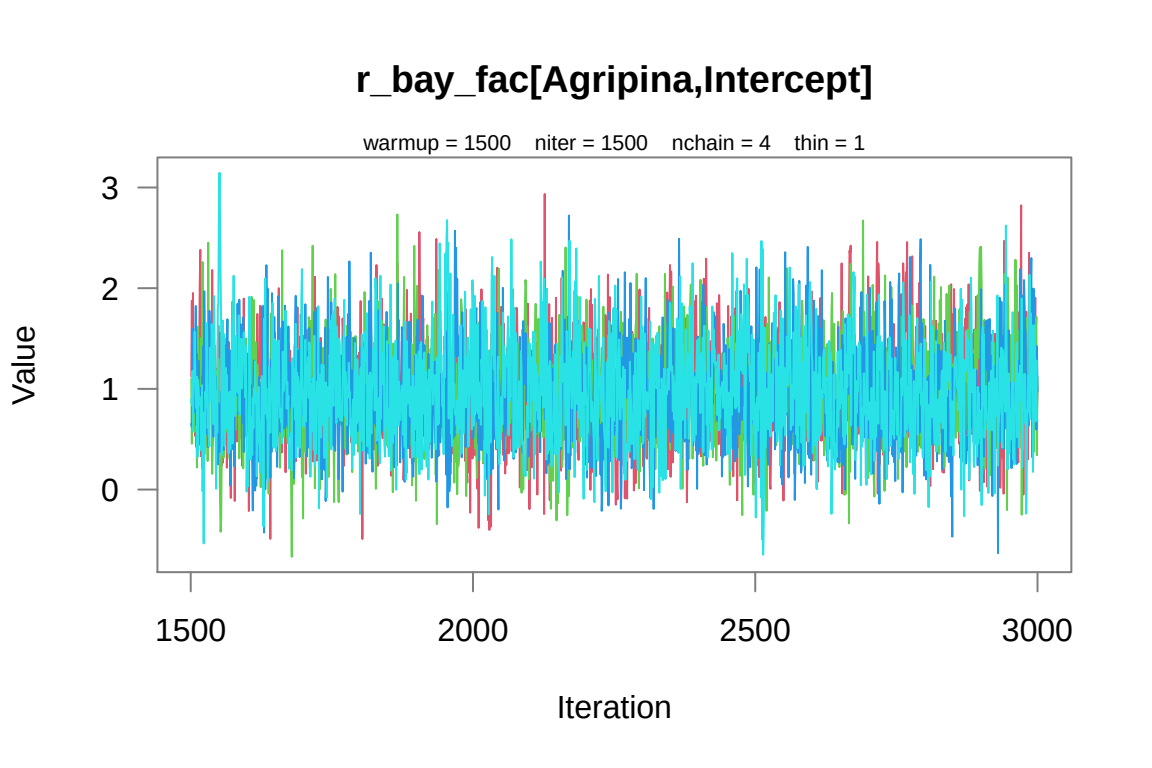

sds_sjulian_1
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
50
40
30
20
10
0
1500
2000
2500
3000
Iteration

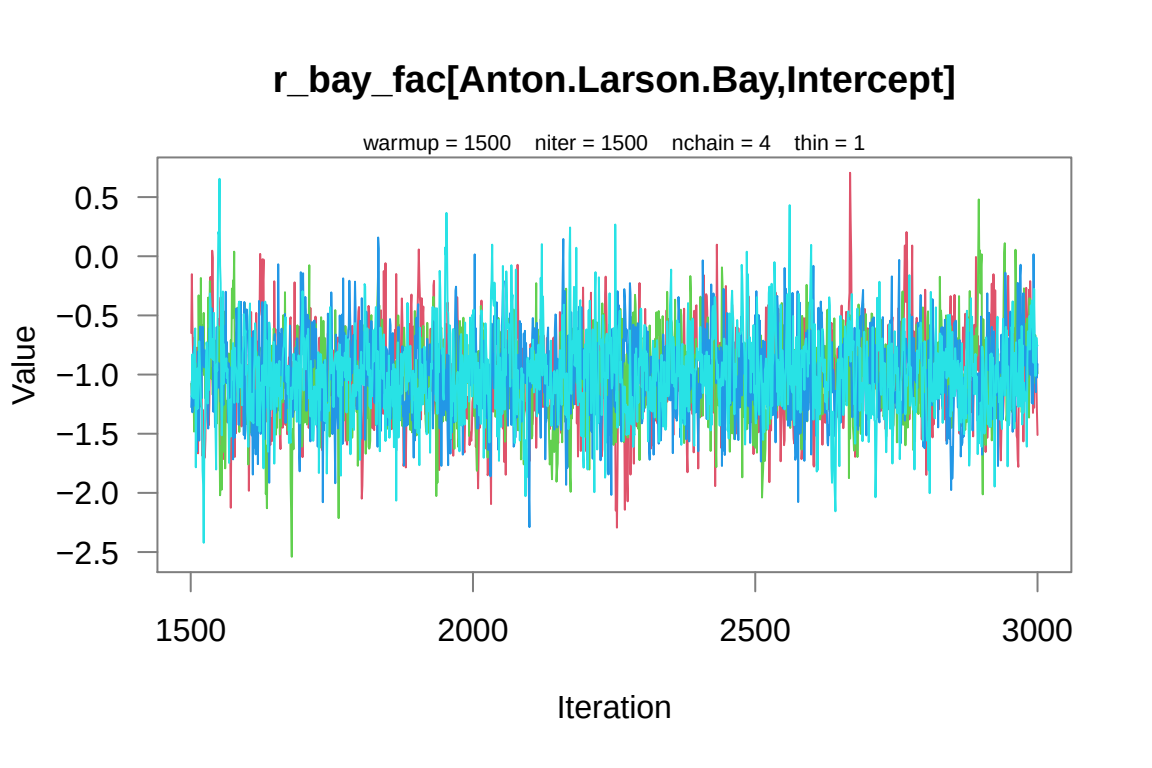

sds_zi_sjulian_1
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
0
10
20
30
40
1500
2000
2500
3000
Iteration

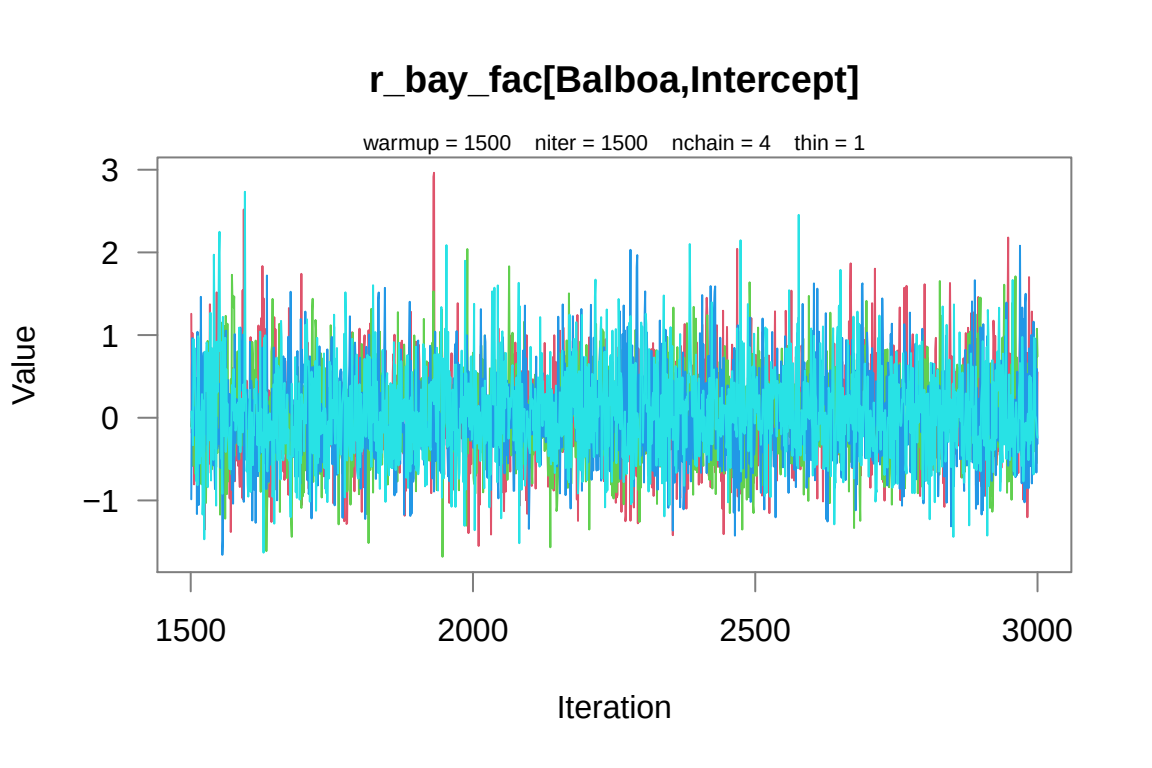

shape
warmup = 1500 niter = 1500 nchain = 4 thin = 1
0.30
0.25
0.20
0.15
Value
1500
2000
2500
3000
Iteration

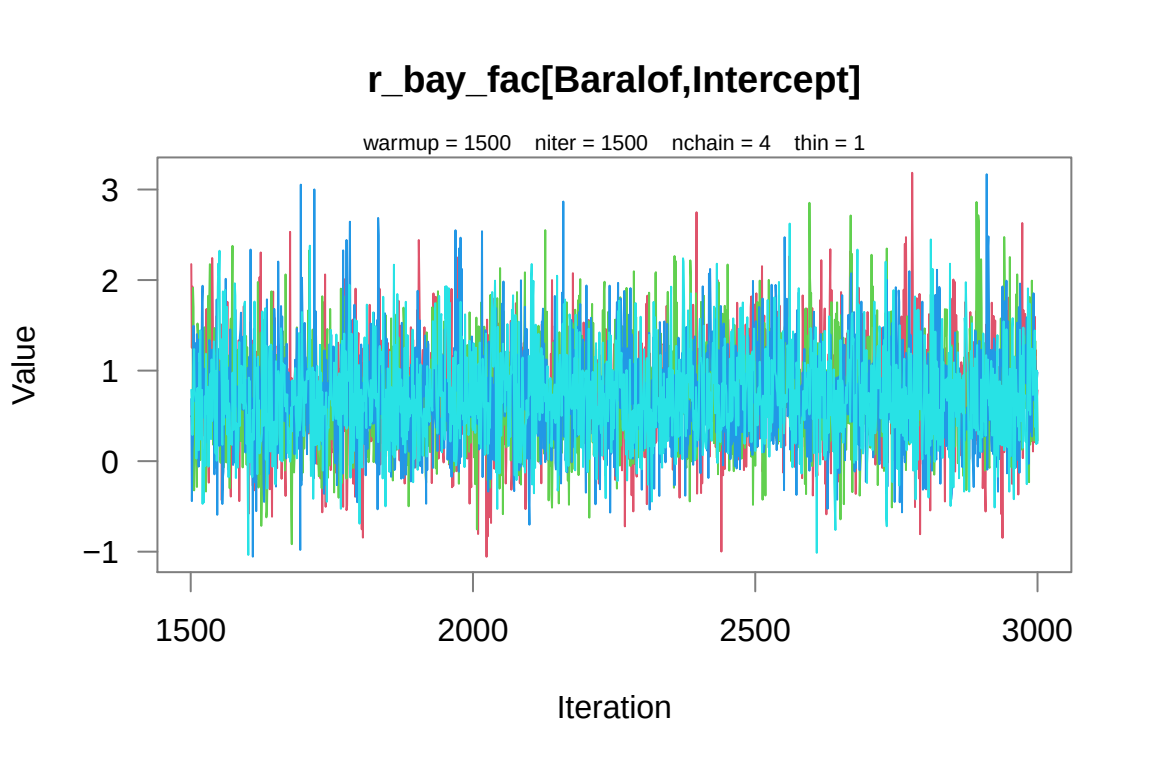

Intercept
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
5.5
5.0
4.5
4.0
3.5
3.0
1500
2000
2500
3000
Iteration

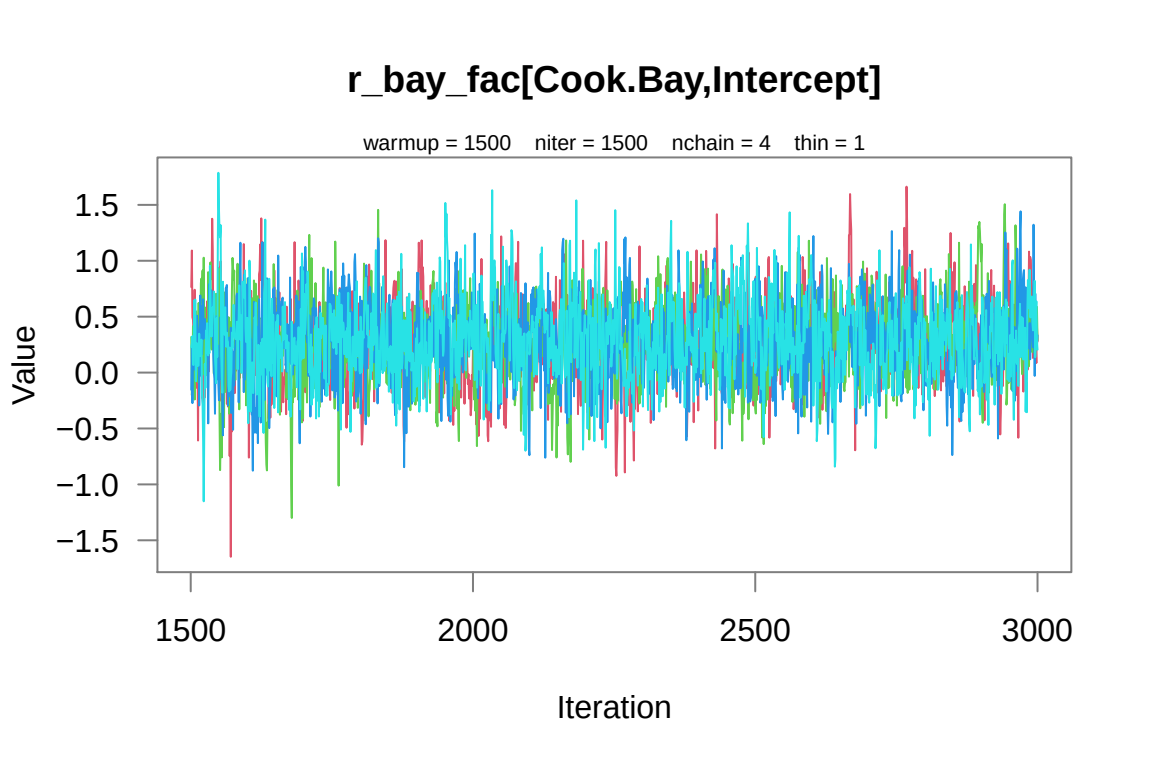

Intercept_zi
warmup = 1500 niter = 1500 nchain = 4 thin = 1
0
−2
−4
−6
−8
Value
1500
2000
2500
3000
Iteration

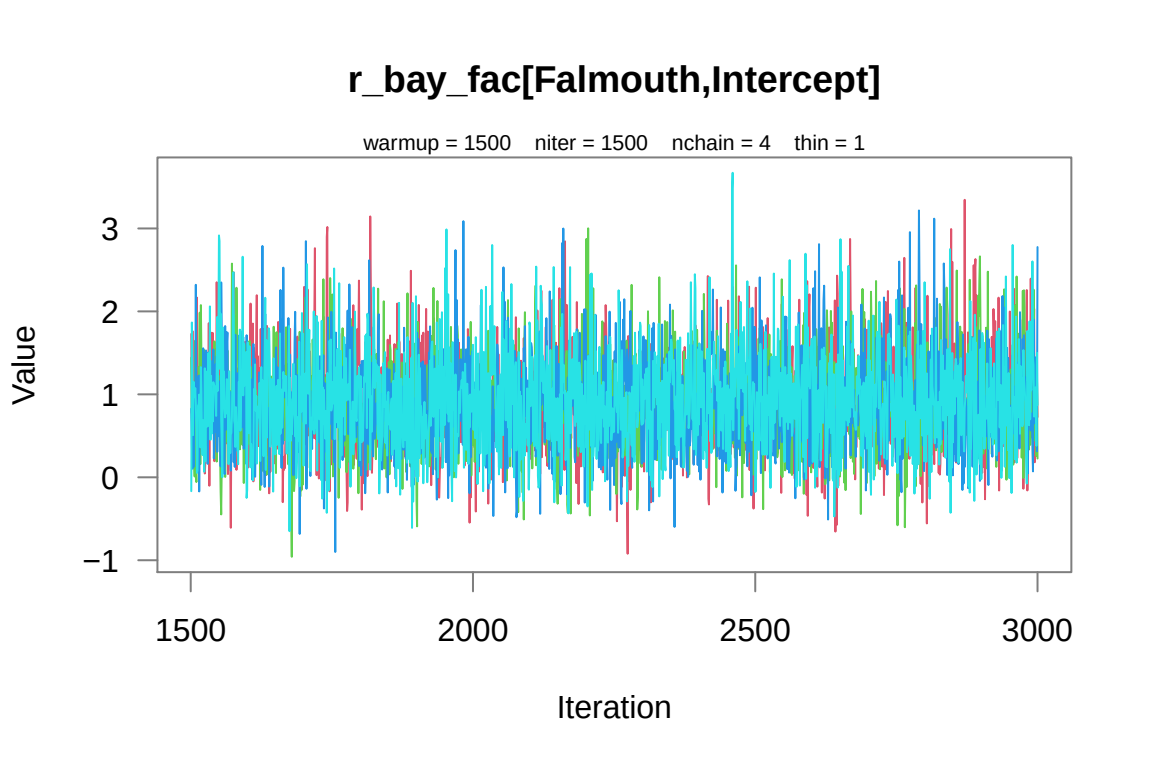

r_bay_fac[Agripina,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
1500
2000
2500
3000
Iteration

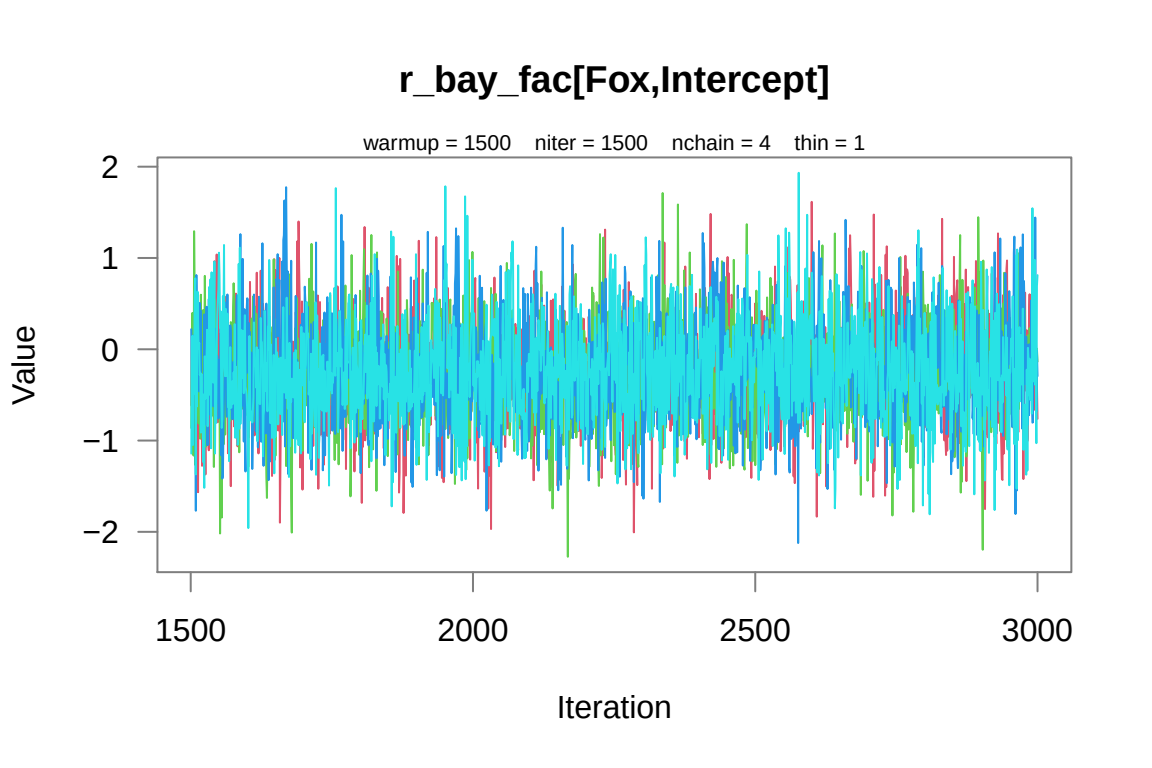

r_bay_fac[Anton.Larson.Bay,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
1500
2000
2500
3000
Iteration

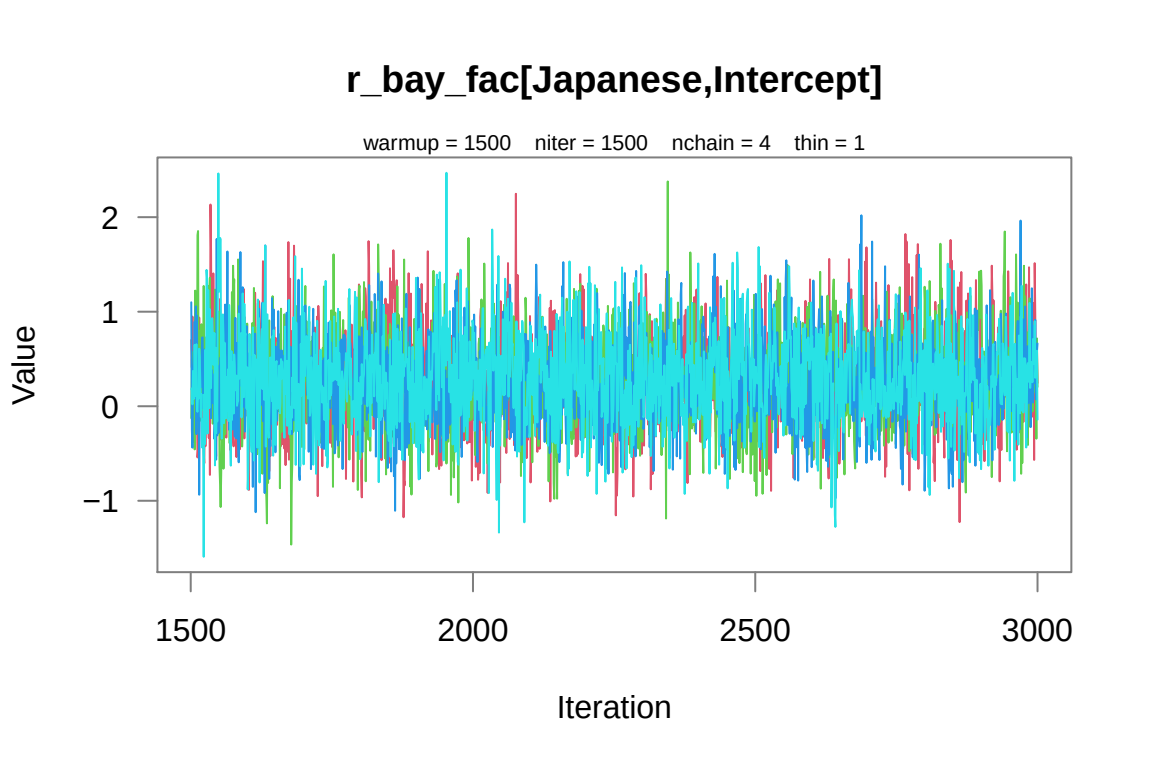

r_bay_fac[Balboa,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

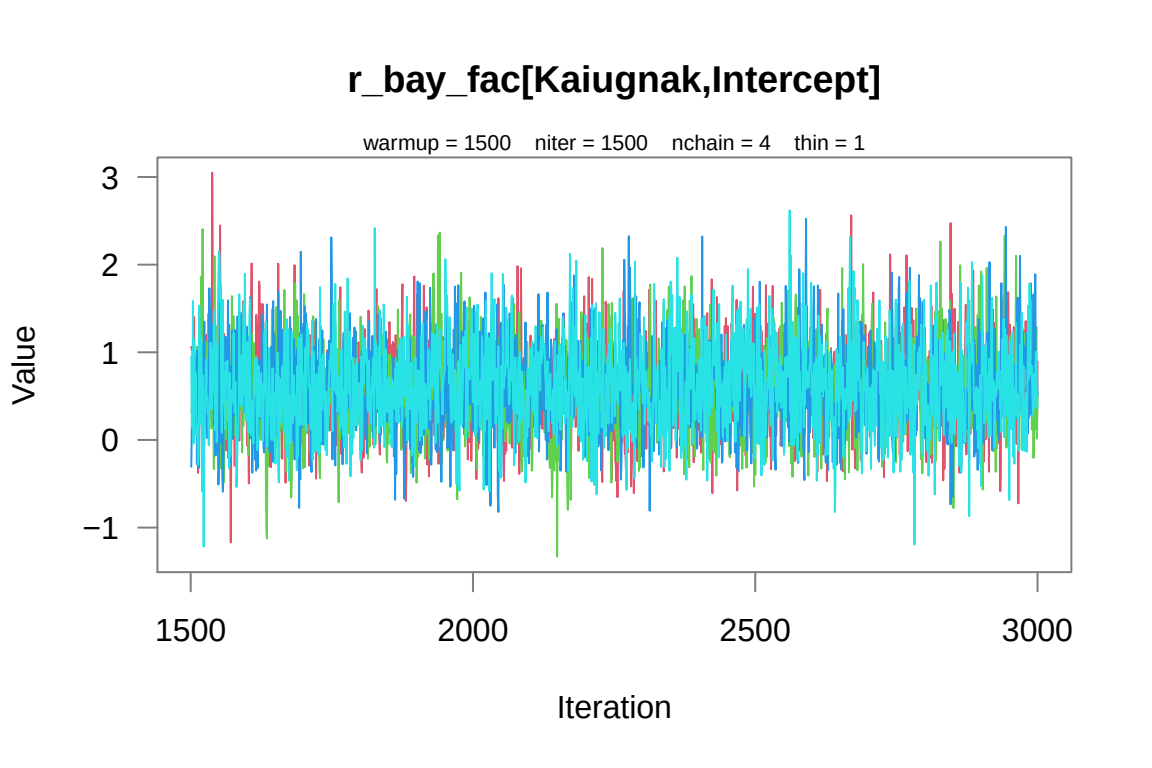

r_bay_fac[Baralof,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

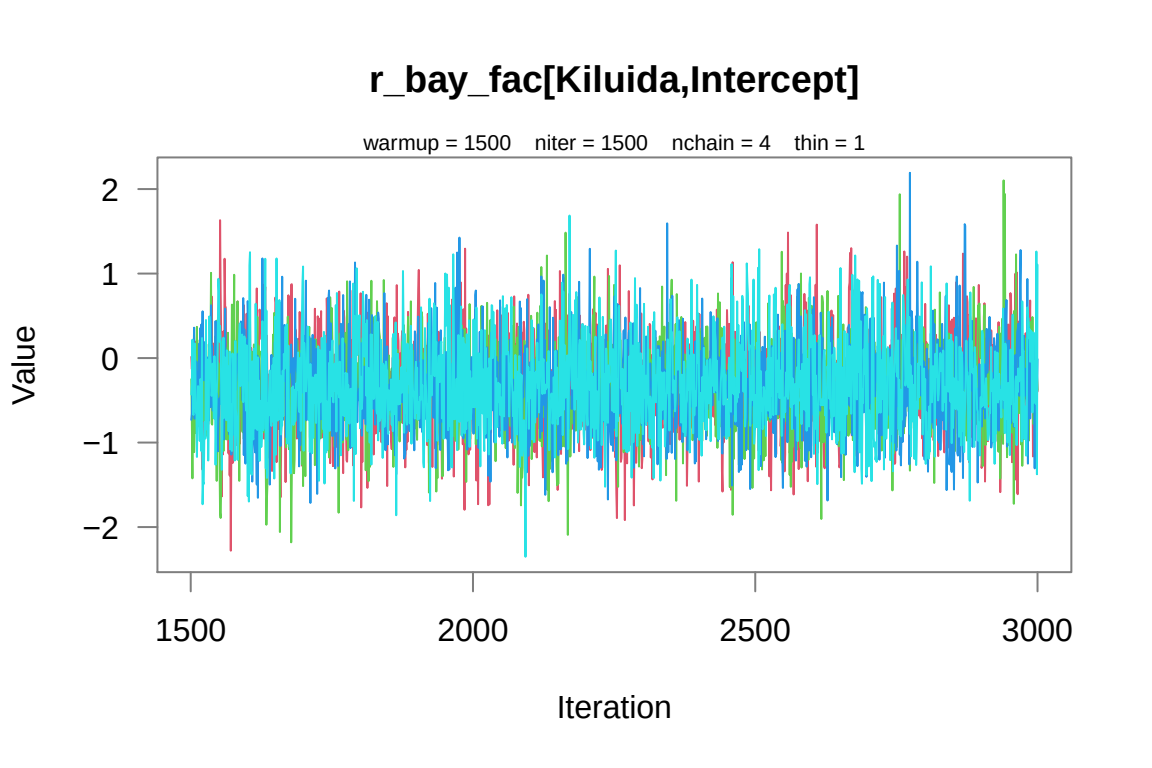

r_bay_fac[Cook.Bay,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
1.5
1.0
0.5
0.0
−0.5
−1.0
−1.5
1500
2000
2500
3000
Iteration

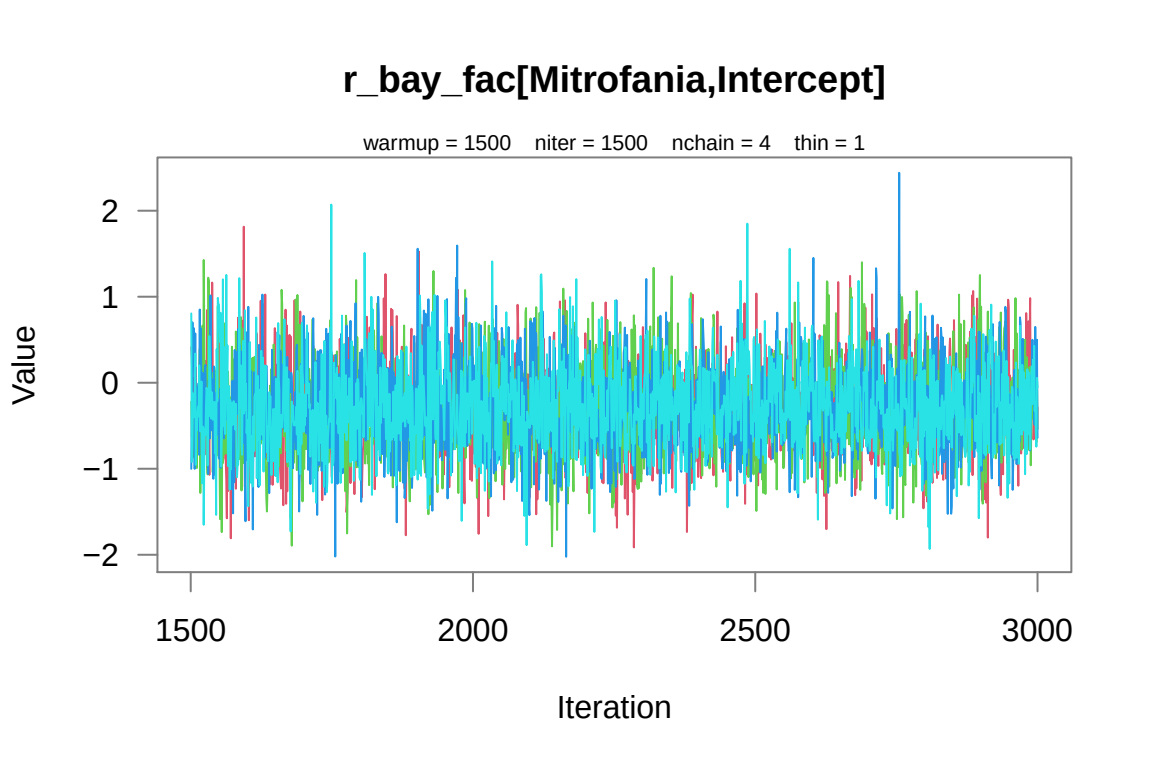

r_bay_fac[Falmouth,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

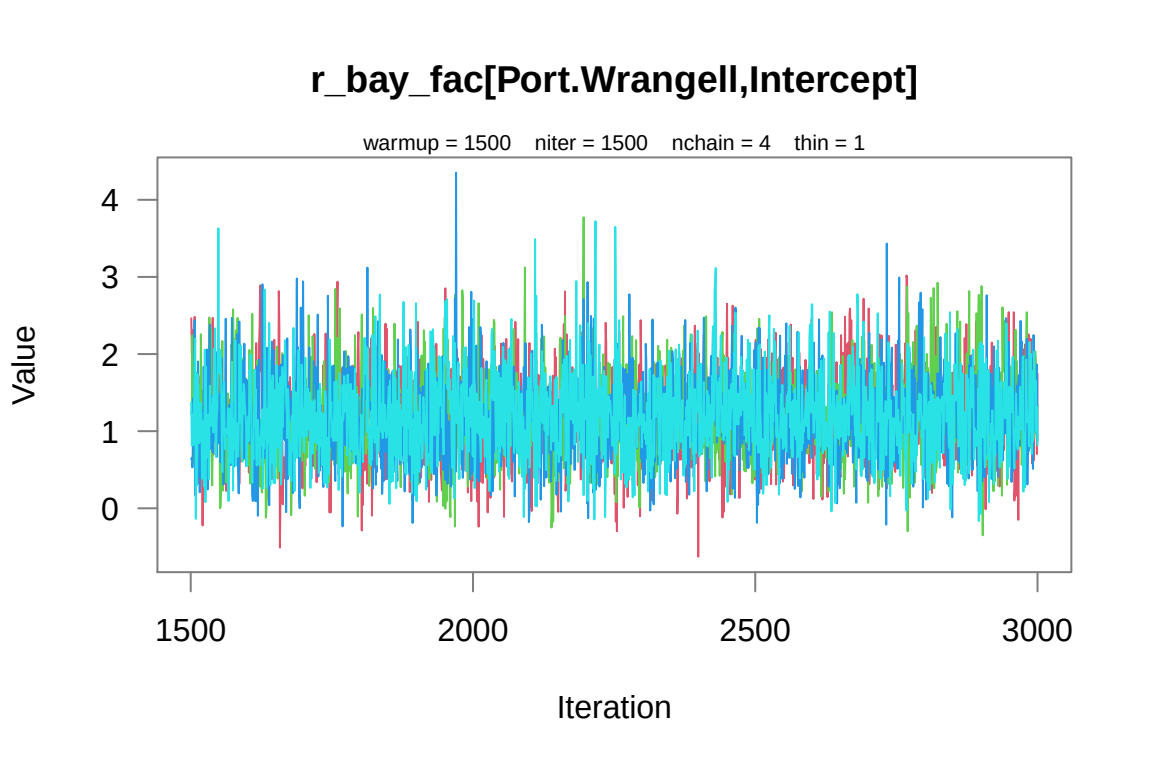

r_bay_fac[Fox,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
1500
2000
2500
3000
Iteration

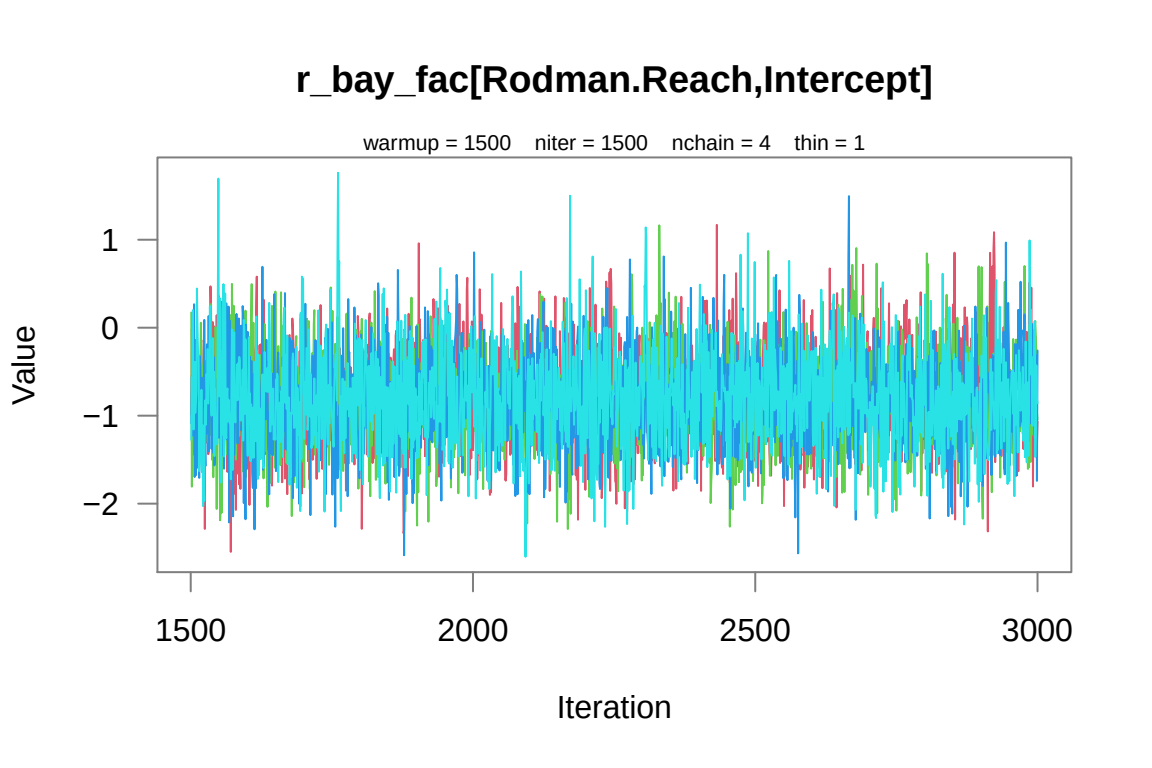

r_bay_fac[Japanese,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
1500
2000
2500
3000
Iteration

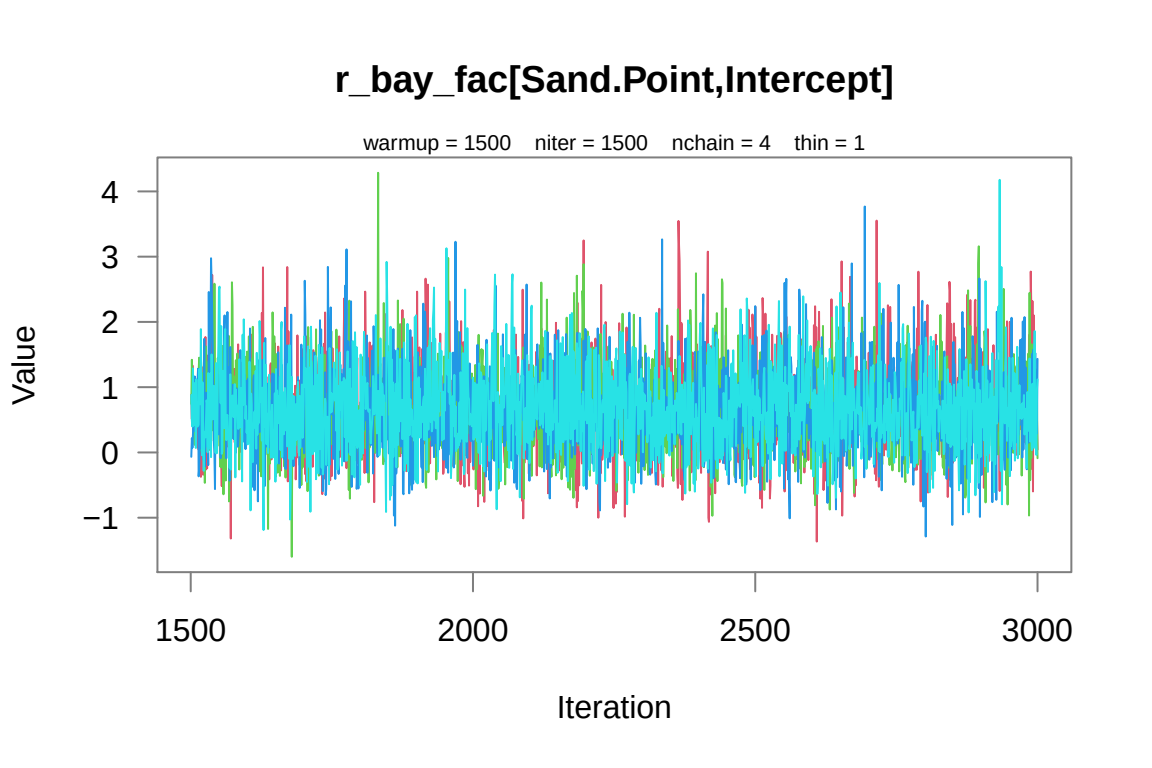

r_bay_fac[Kaiugnak,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

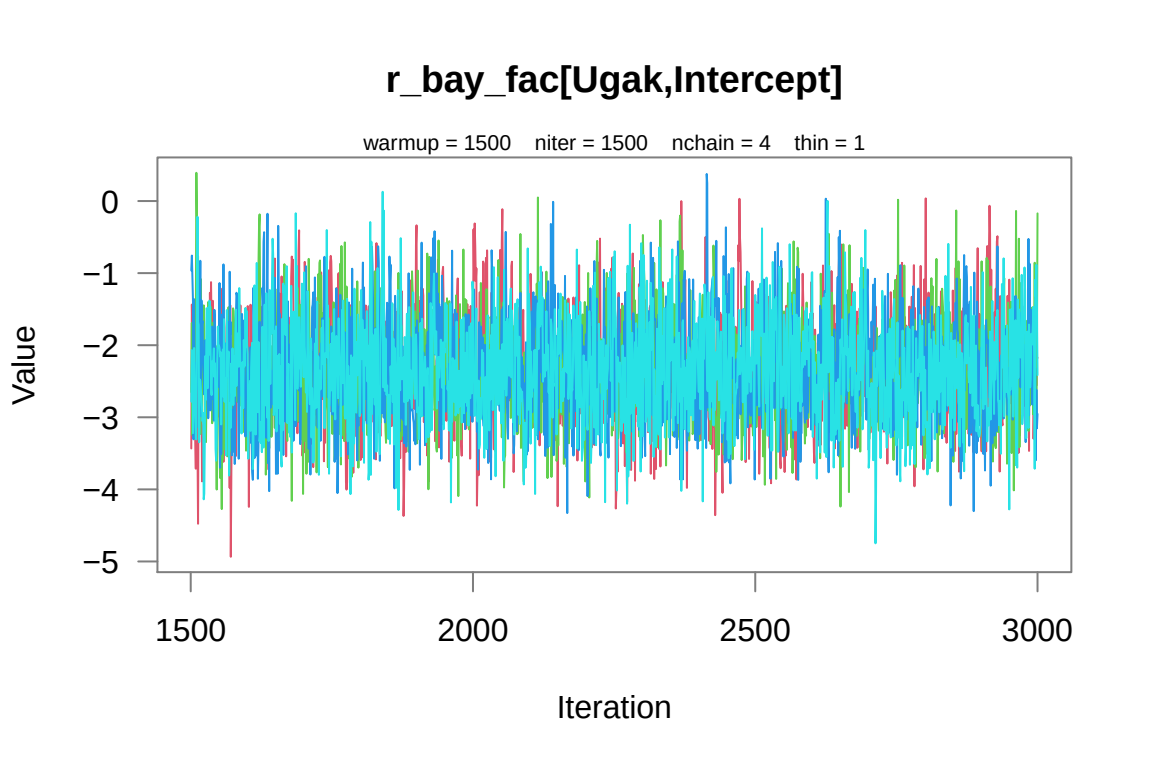

r_bay_fac[Kiluida,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
1500
2000
2500
3000
Iteration

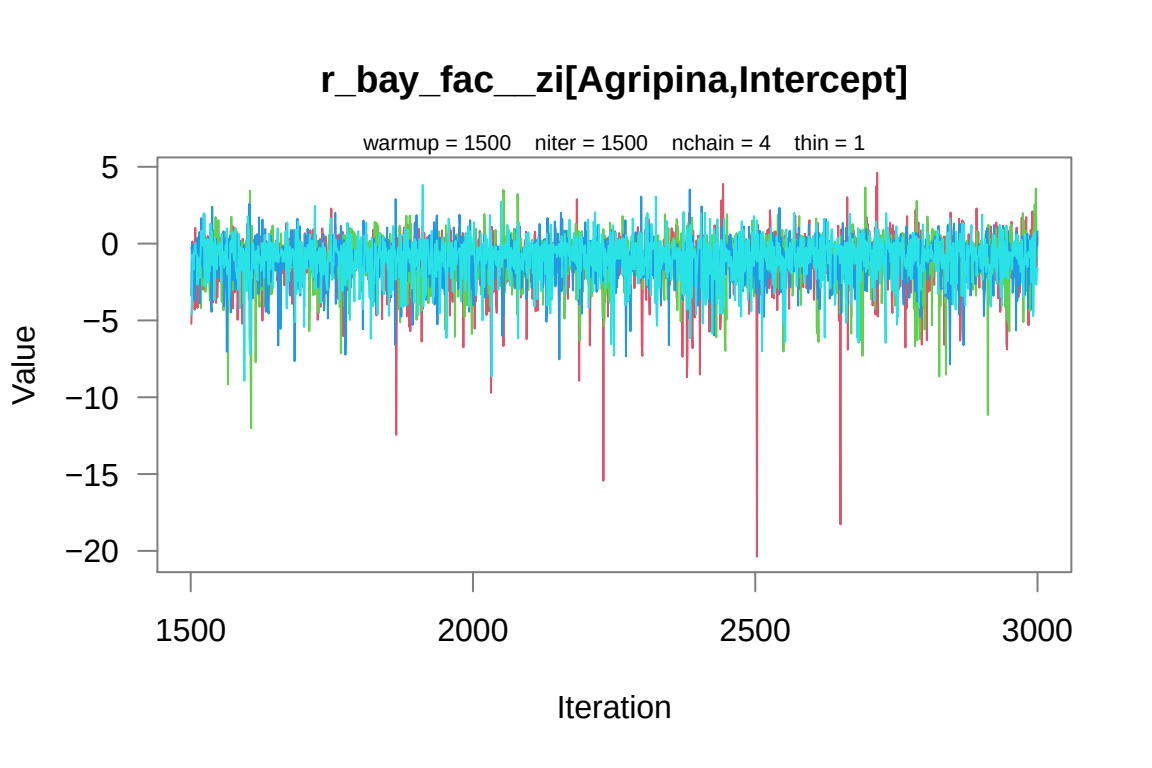

r_bay_fac[Mitrofania,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
1500
2000
2500
3000
Iteration

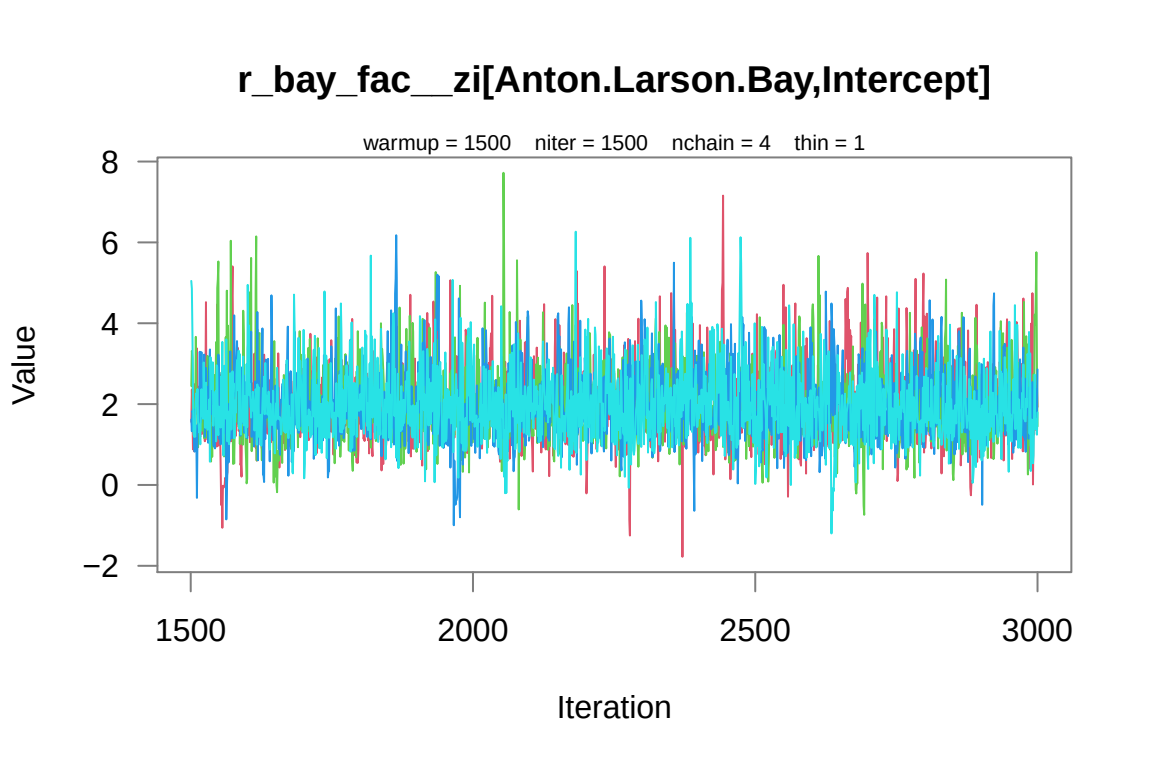

r_bay_fac[Port.Wrangell,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
4
3
2
1
0
1500
2000
2500
3000
Iteration

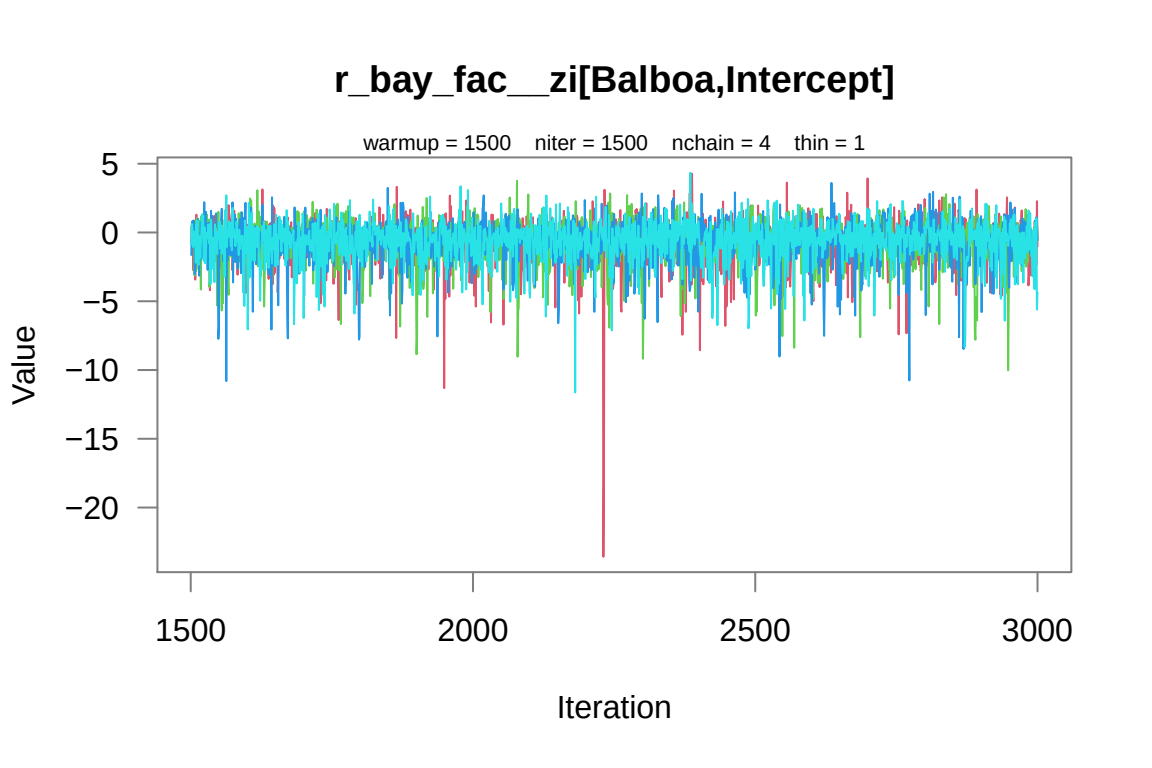

r_bay_fac[Rodman.Reach,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
1
0
−1
−2
1500
2000
2500
3000
Iteration

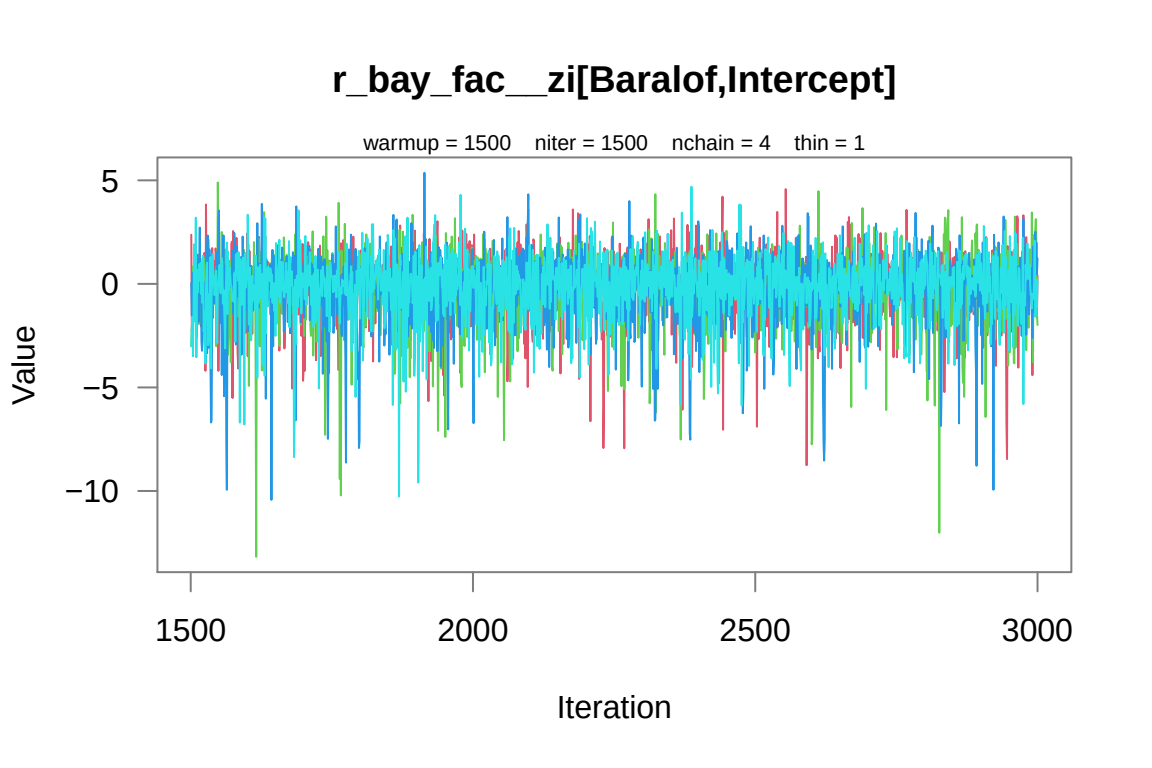

r_bay_fac[Sand.Point,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
4
3
2
1
0
−1
1500
2000
2500
3000
Iteration

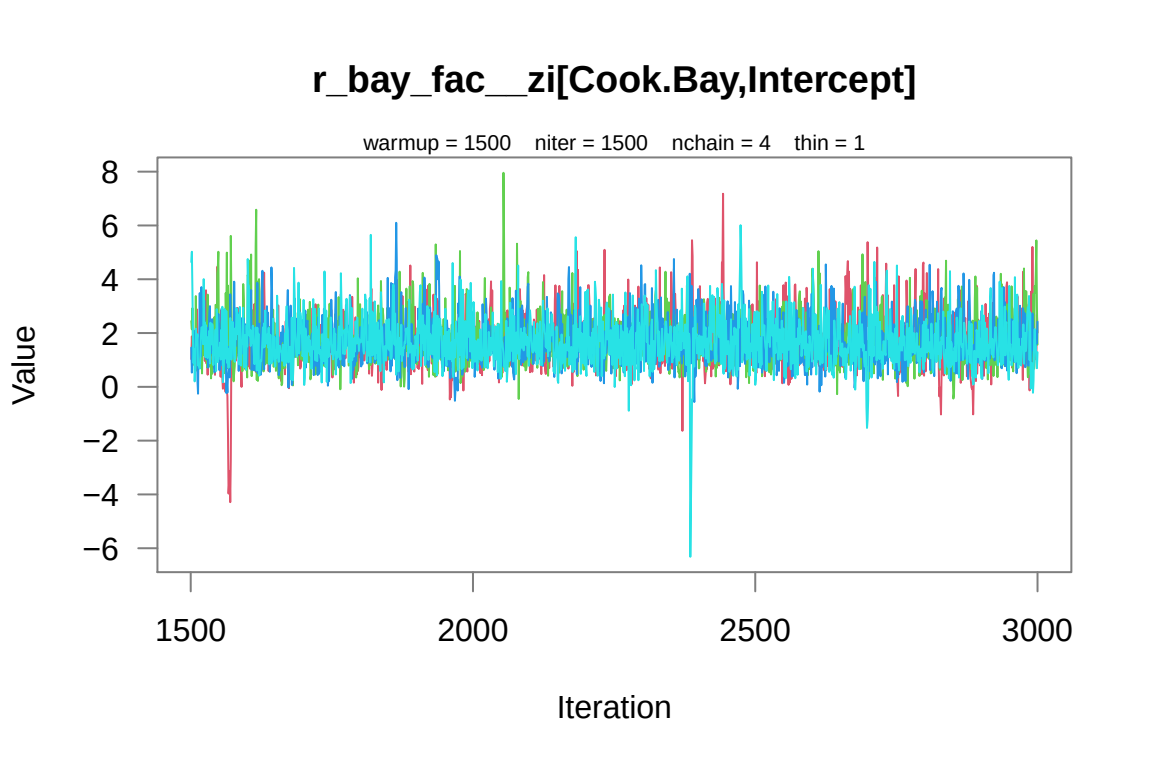

r_bay_fac[Ugak,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
0
−1
−2
−3
−4
−5
1500
2000
2500
3000
Iteration

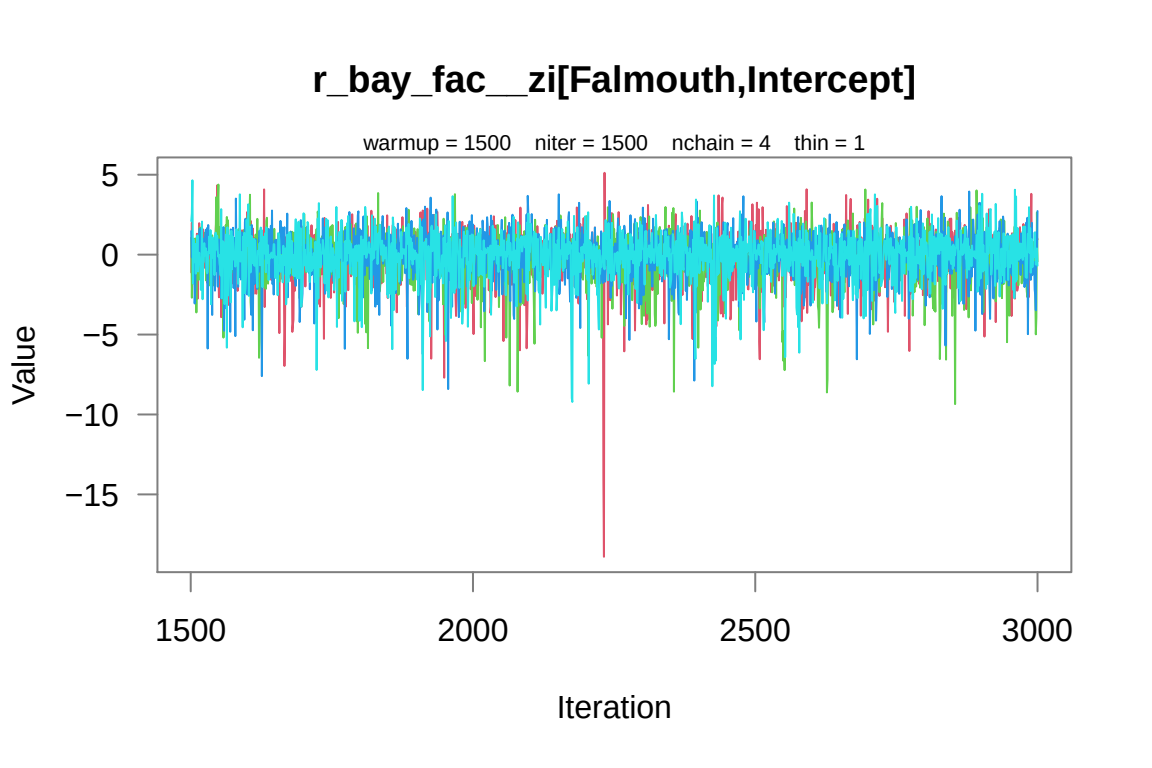

r_bay_fac__zi[Agripina,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
−15
−20
Value
1500
2000
2500
3000
Iteration

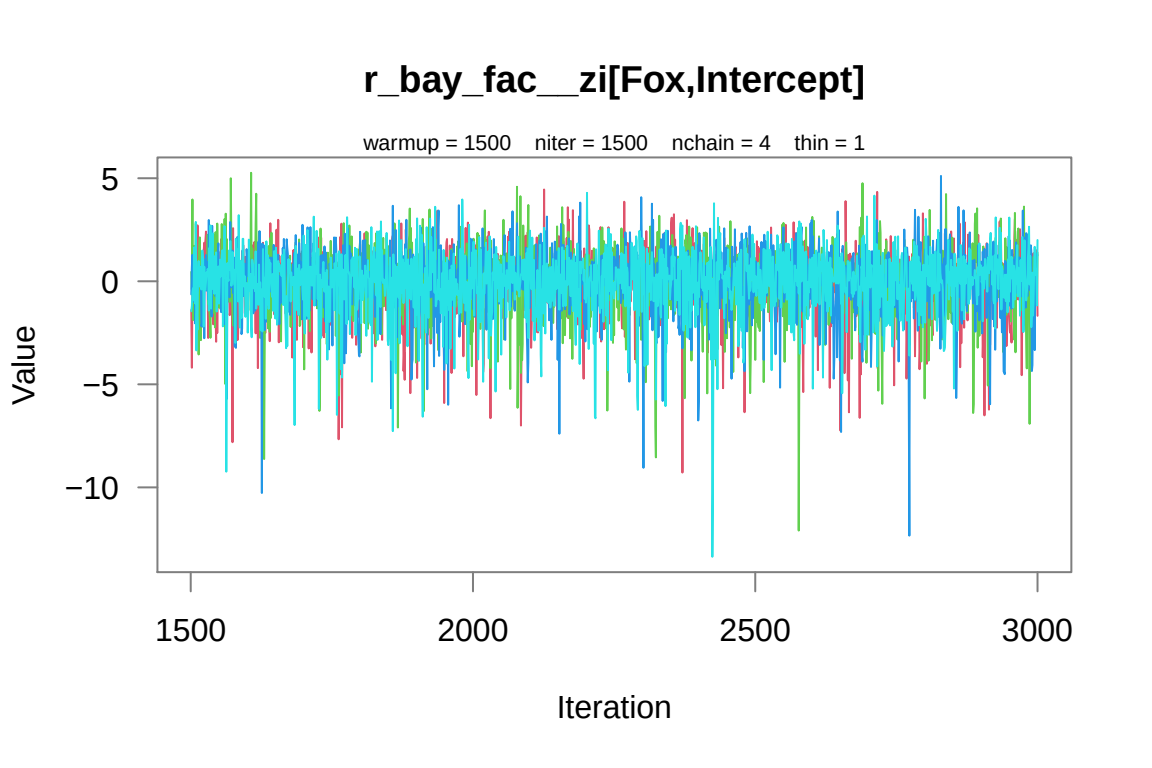

r_bay_fac__zi[Anton.Larson.Bay,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
8
6
4
2
0
−2
1500
2000
2500
3000
Iteration

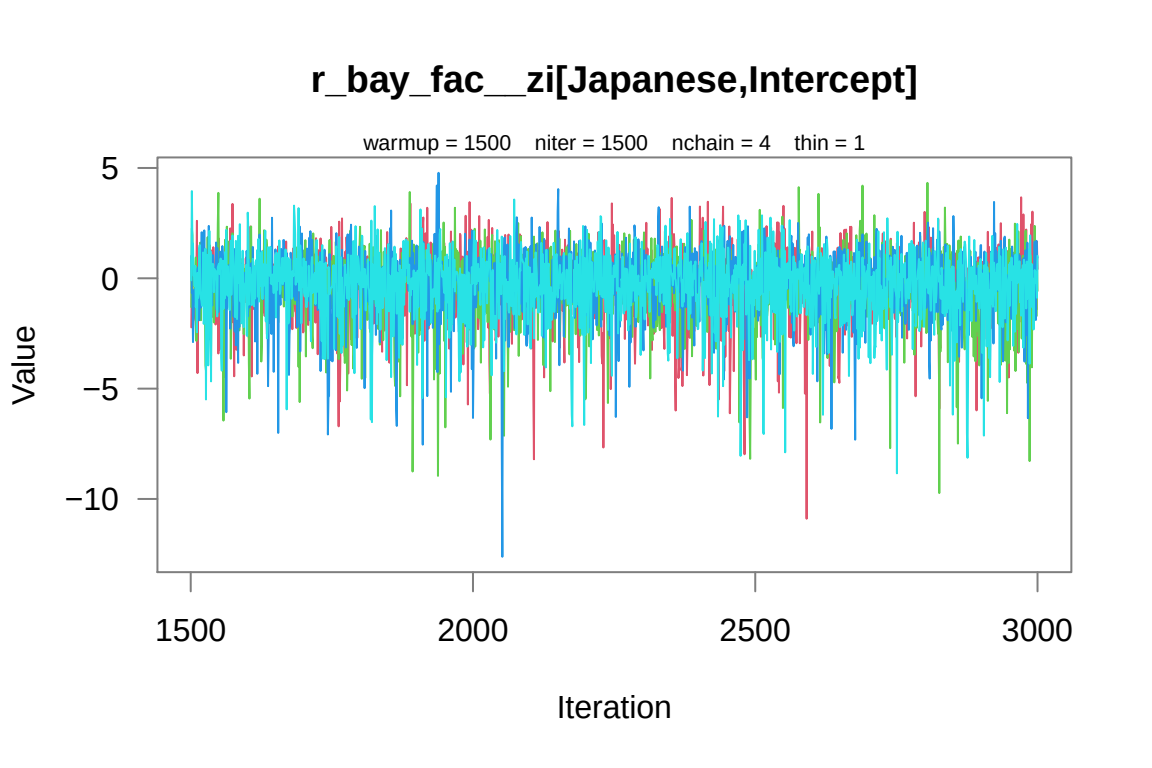

r_bay_fac__zi[Balboa,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
−15
−20
Value
1500
2000
2500
3000
Iteration

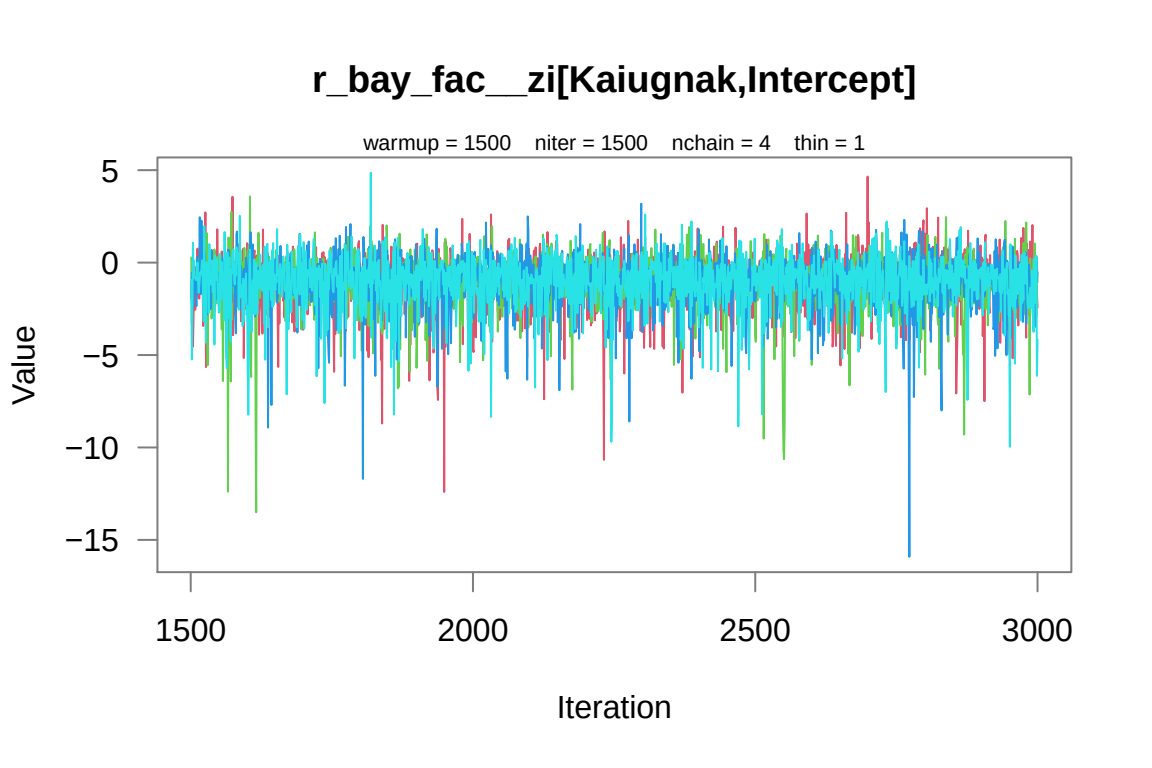

r_bay_fac__zi[Baralof,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
Value
1500
2000
2500
3000
Iteration

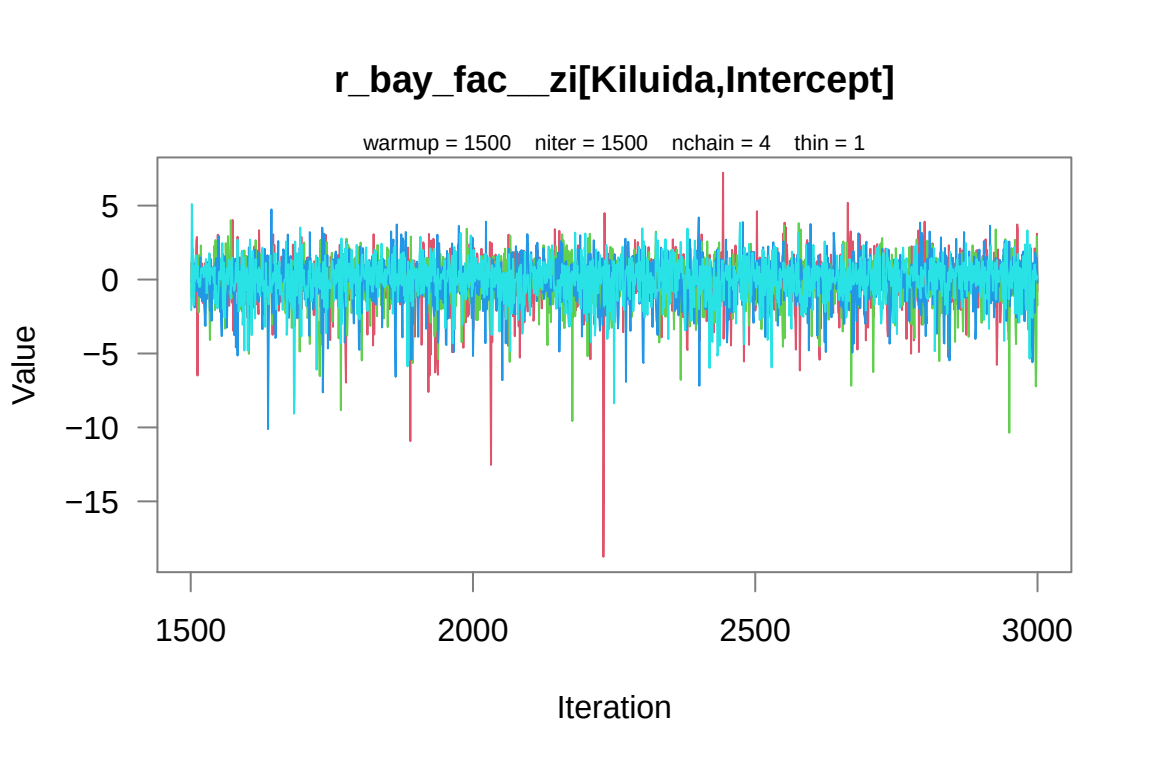

r_bay_fac__zi[Cook.Bay,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
8
6
4
2
0
−2
−4
−6
1500
2000
2500
3000
Iteration

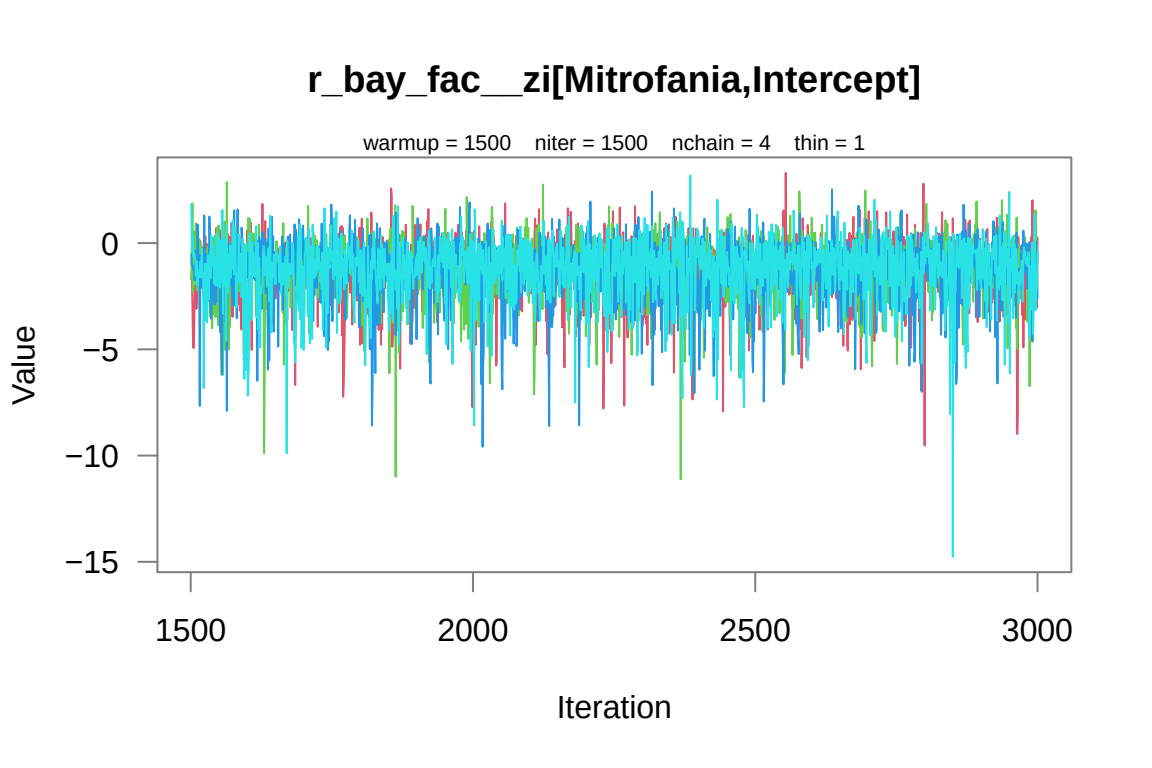

r_bay_fac__zi[Falmouth,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
−15
Value
1500
2000
2500
3000
Iteration

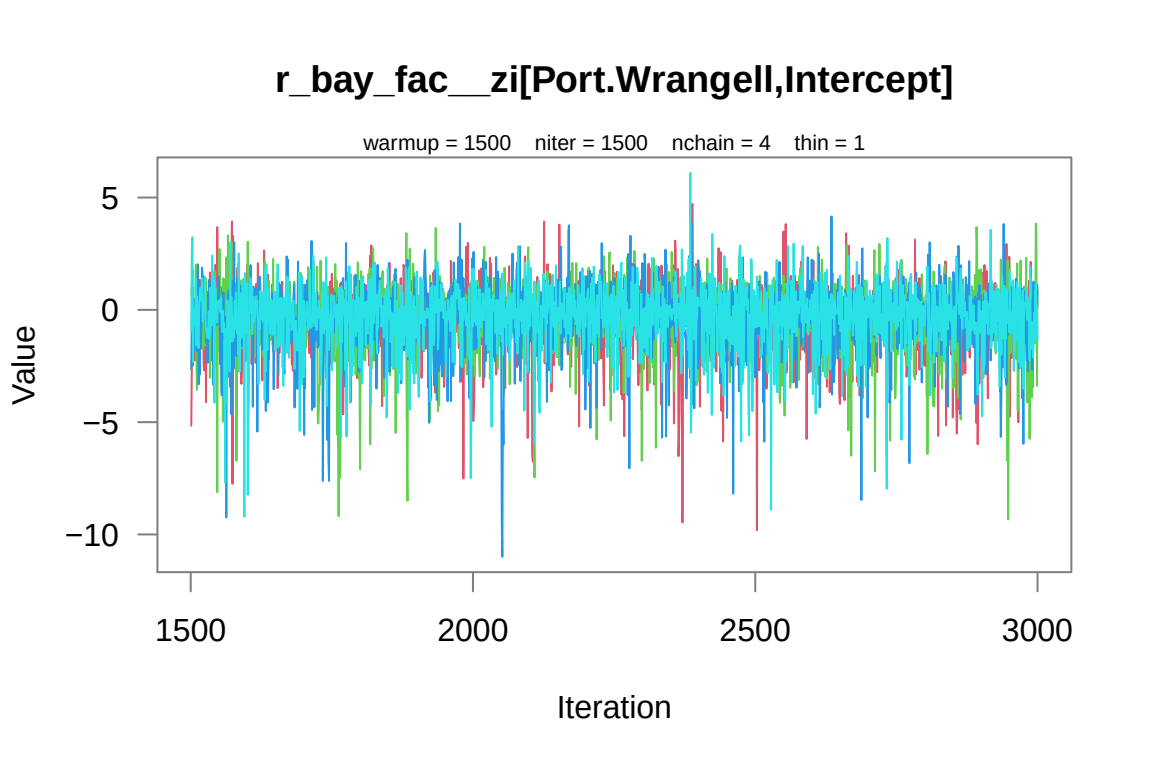

r_bay_fac__zi[Fox,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
5
0
−5
−10
1500
2000
2500
3000
Iteration

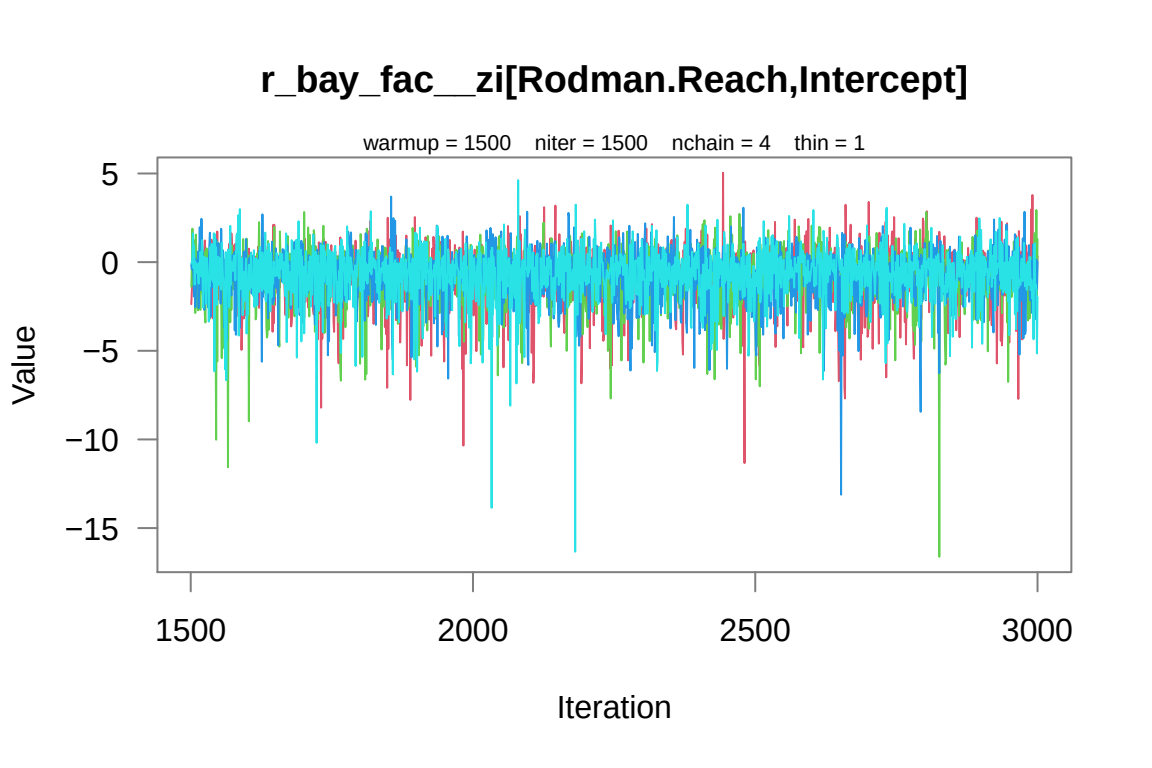

r_bay_fac__zi[Japanese,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
Value
1500
2000
2500
3000
Iteration

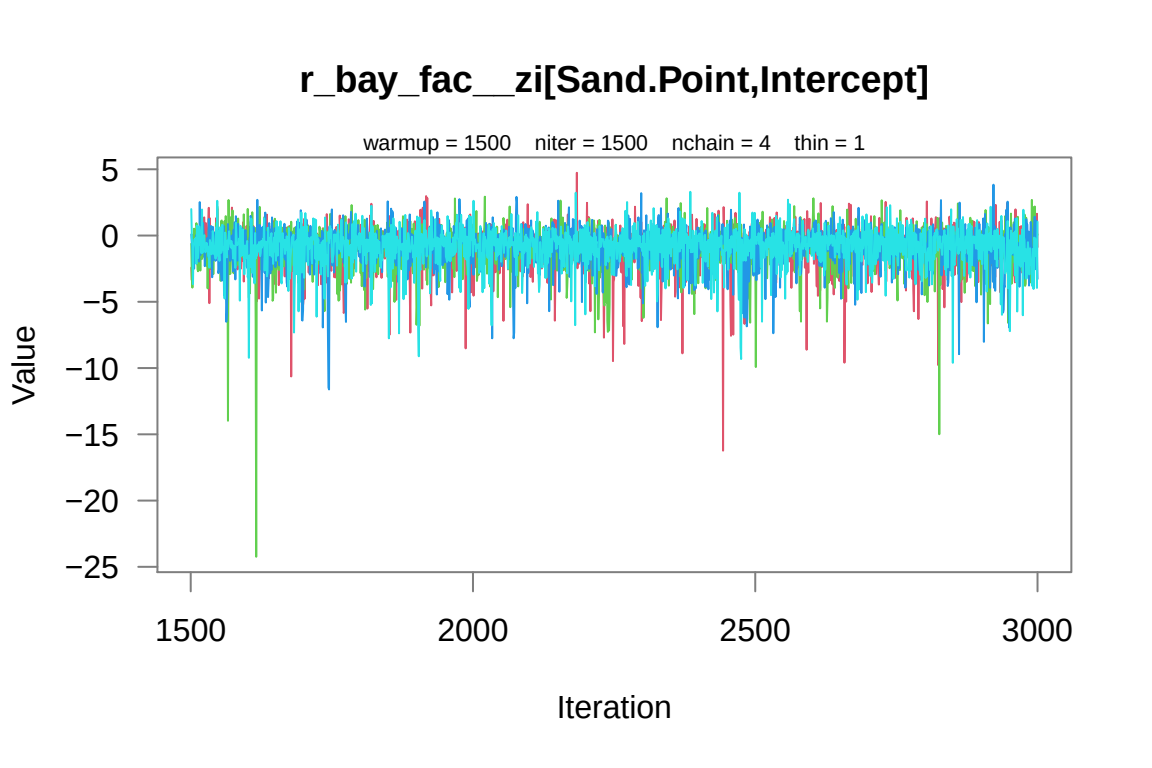

r_bay_fac__zi[Kaiugnak,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
−15
Value
1500
2000
2500
3000
Iteration

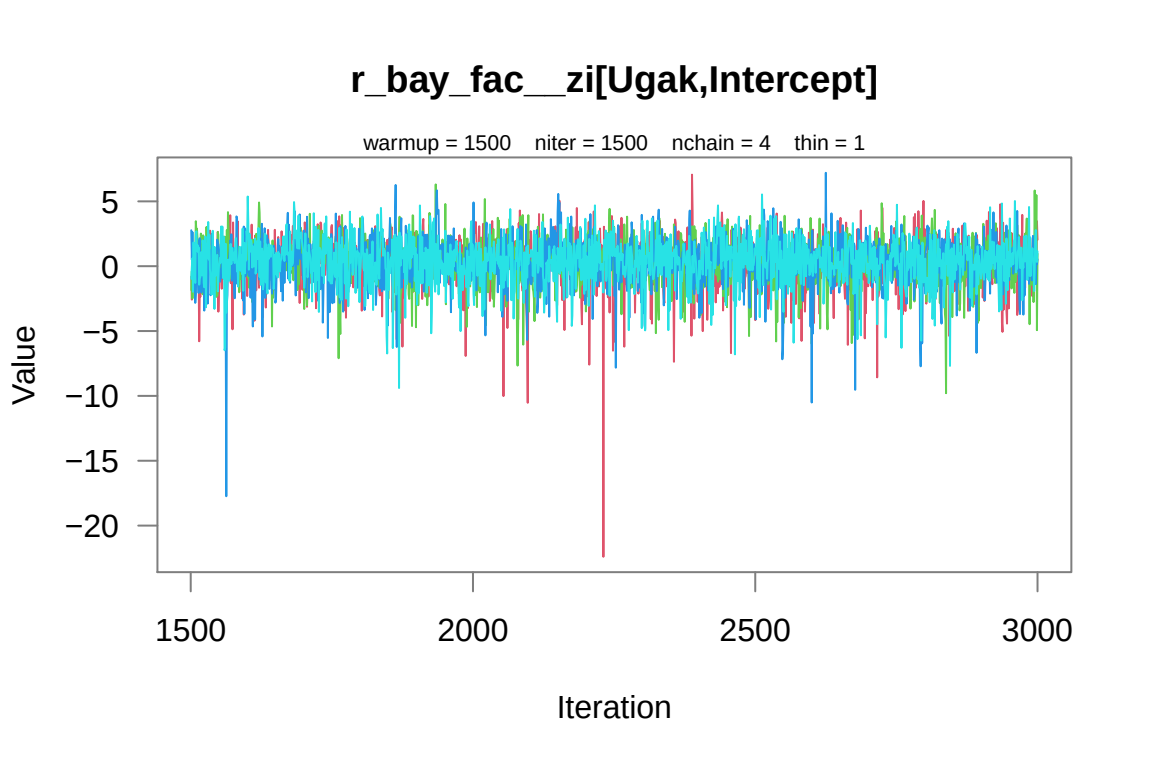

r_bay_fac__zi[Kiluida,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
5
0
−5
−10
−15
1500
2000
2500
3000
Iteration

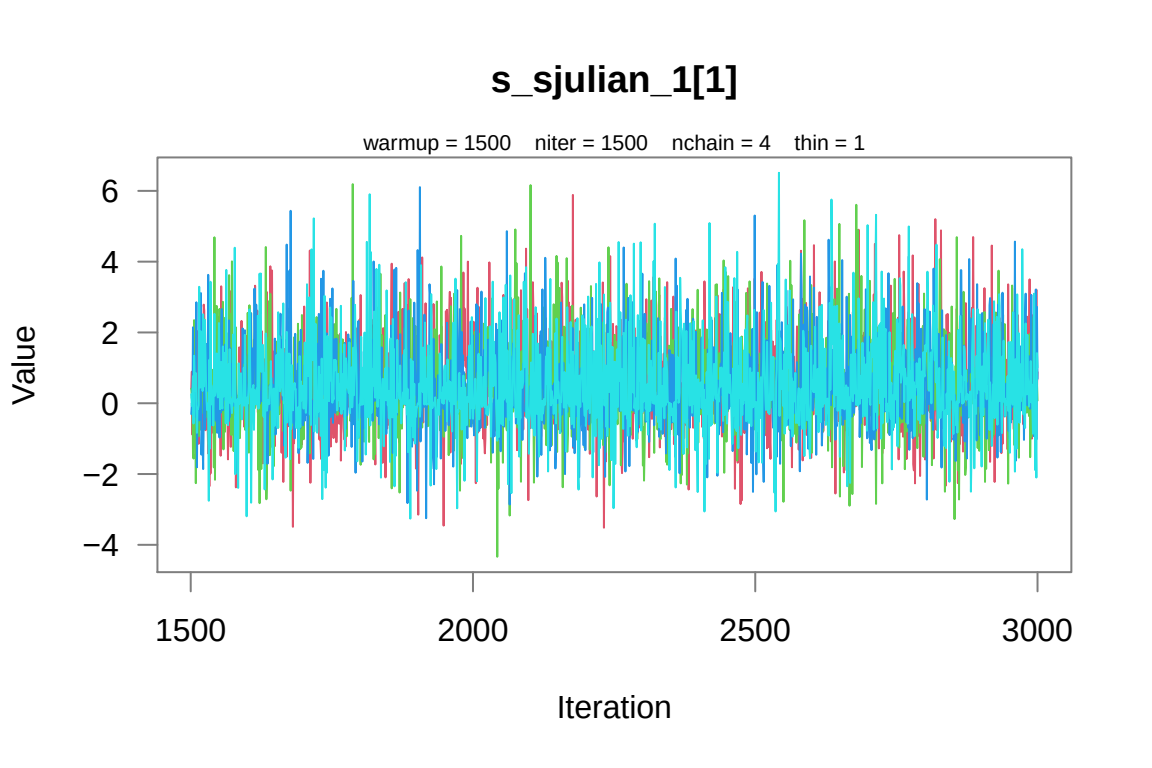

r_bay_fac__zi[Mitrofania,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
0
−5
−10
−15
Value
1500
2000
2500
3000
Iteration

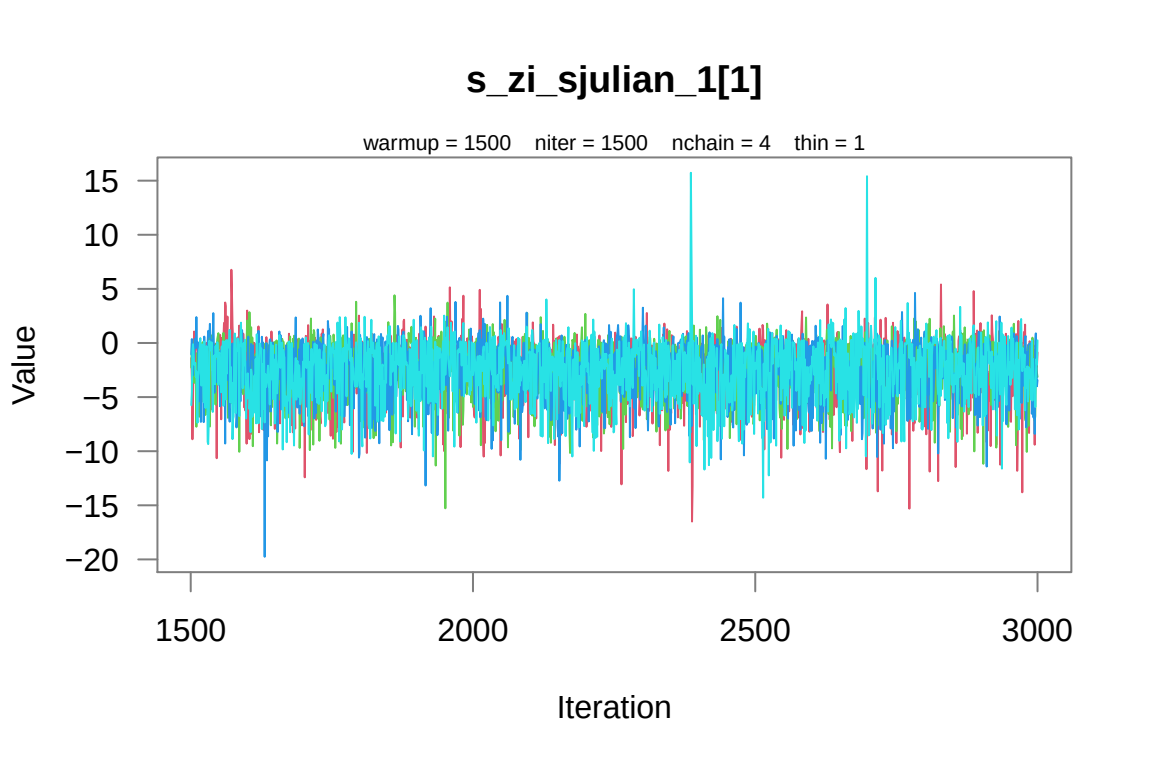

r_bay_fac__zi[Port.Wrangell,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
5
0
−5
−10
1500
2000
2500
3000
Iteration

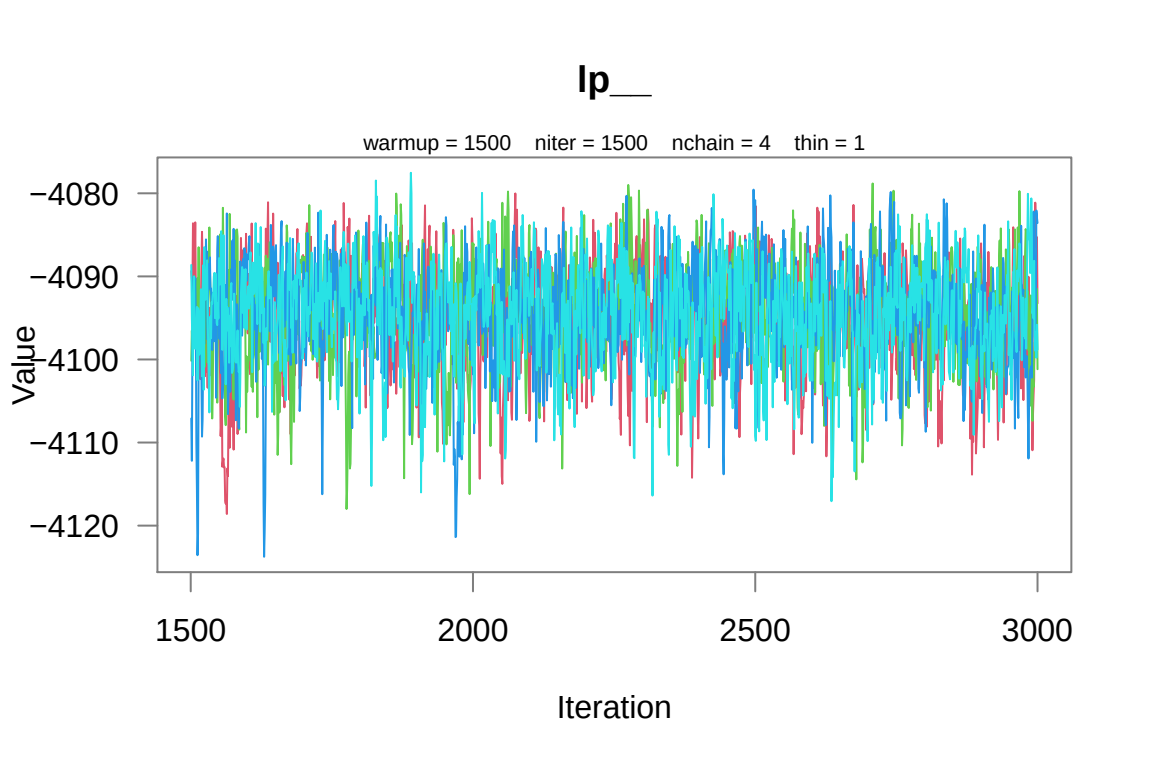

r_bay_fac__zi[Rodman.Reach,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
−15
Value
1500
2000
2500
3000
Iteration

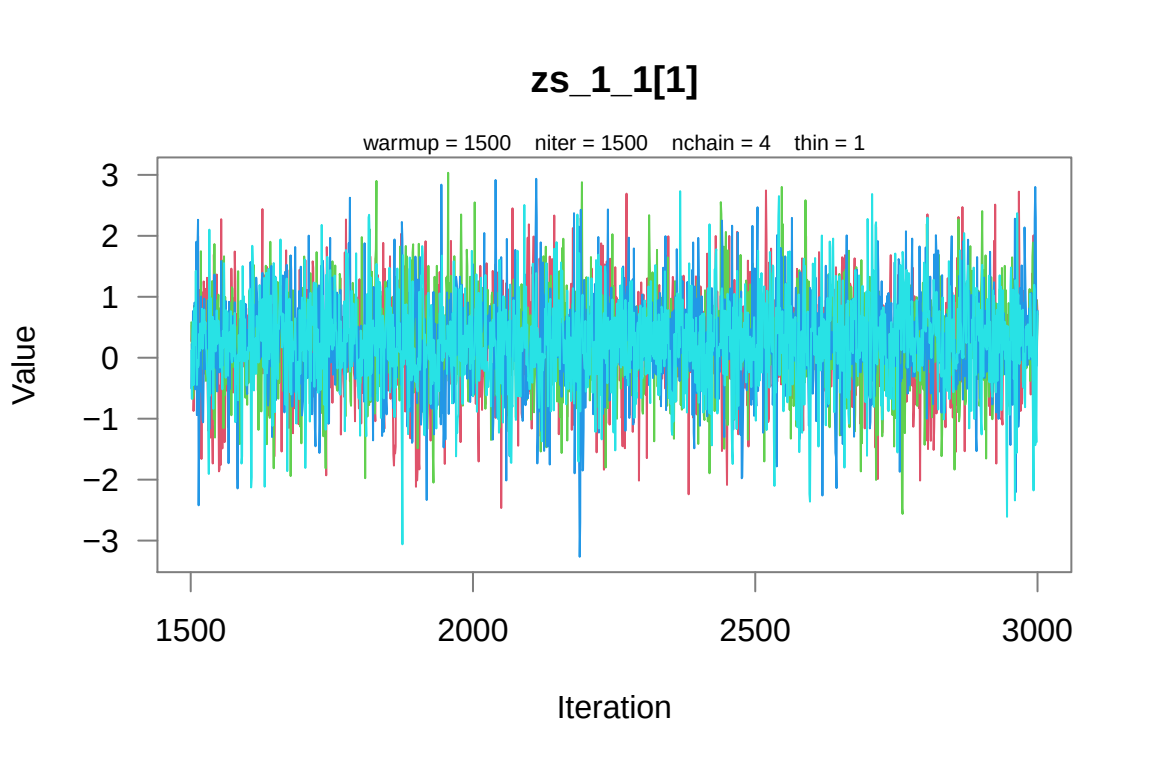

r_bay_fac__zi[Sand.Point,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
5
0
−5
−10
−15
−20
−25
Value
1500
2000
2500
3000
Iteration

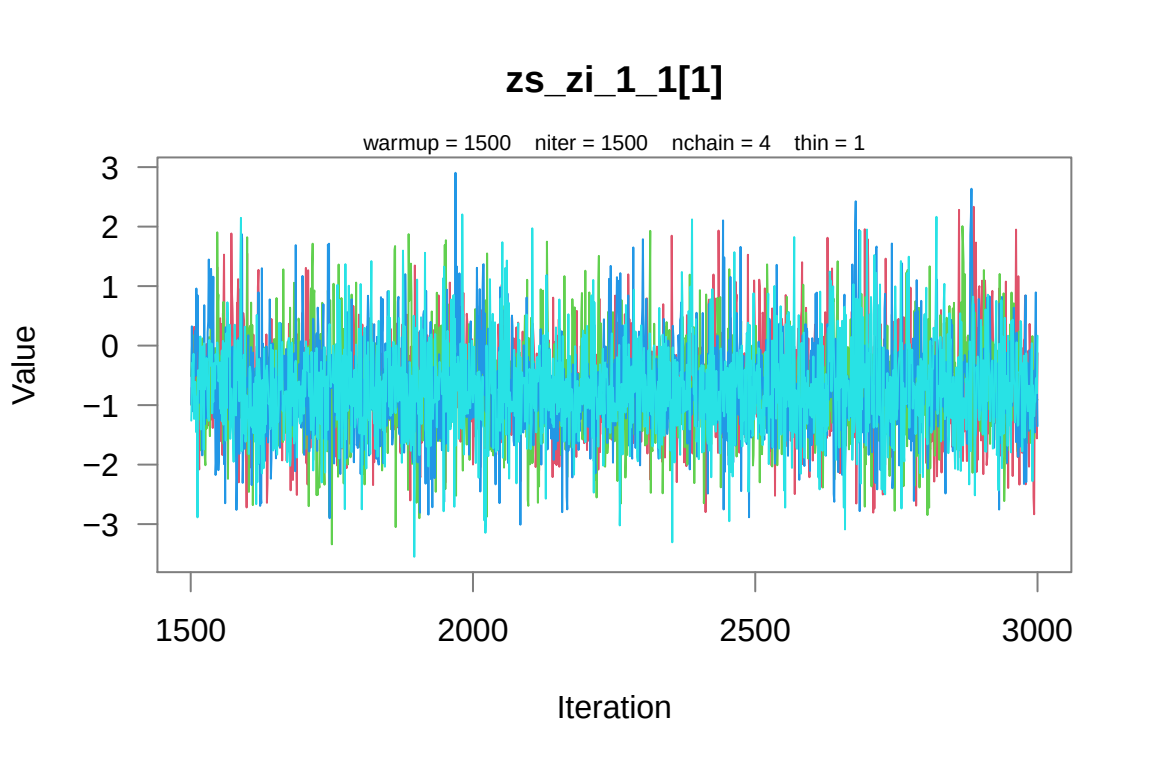

r_bay_fac__zi[Ugak,Intercept]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
5
0
−5
−10
−15
−20
1500
2000
2500
3000
Iteration

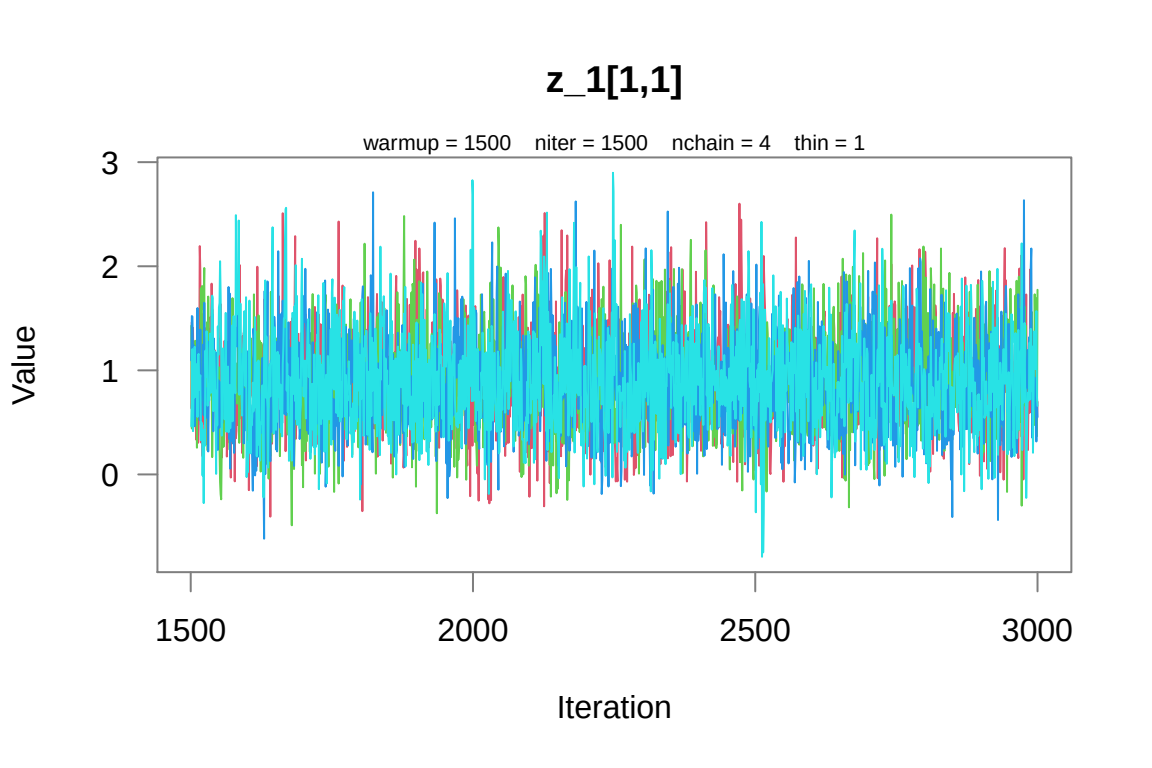

s_sjulian_1[1]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
6
4
2
0
−2
−4
1500
2000
2500
3000
Iteration

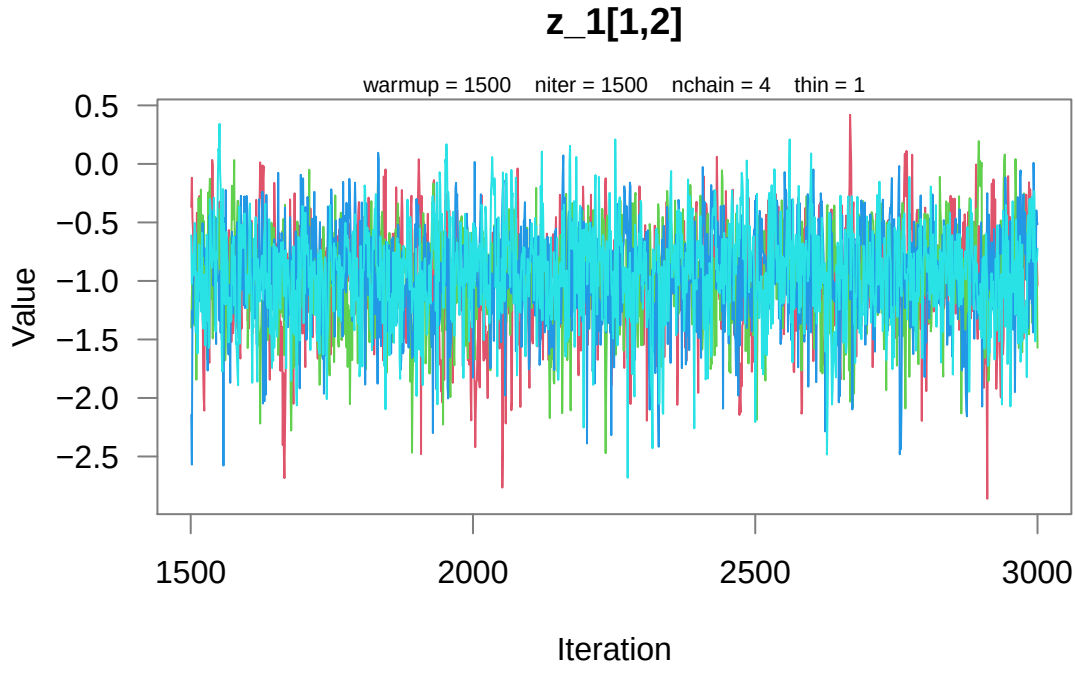

s_zi_sjulian_1[1]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
15
10
5
0
−5
−10
−15
−20
1500
2000
2500
3000
Iteration

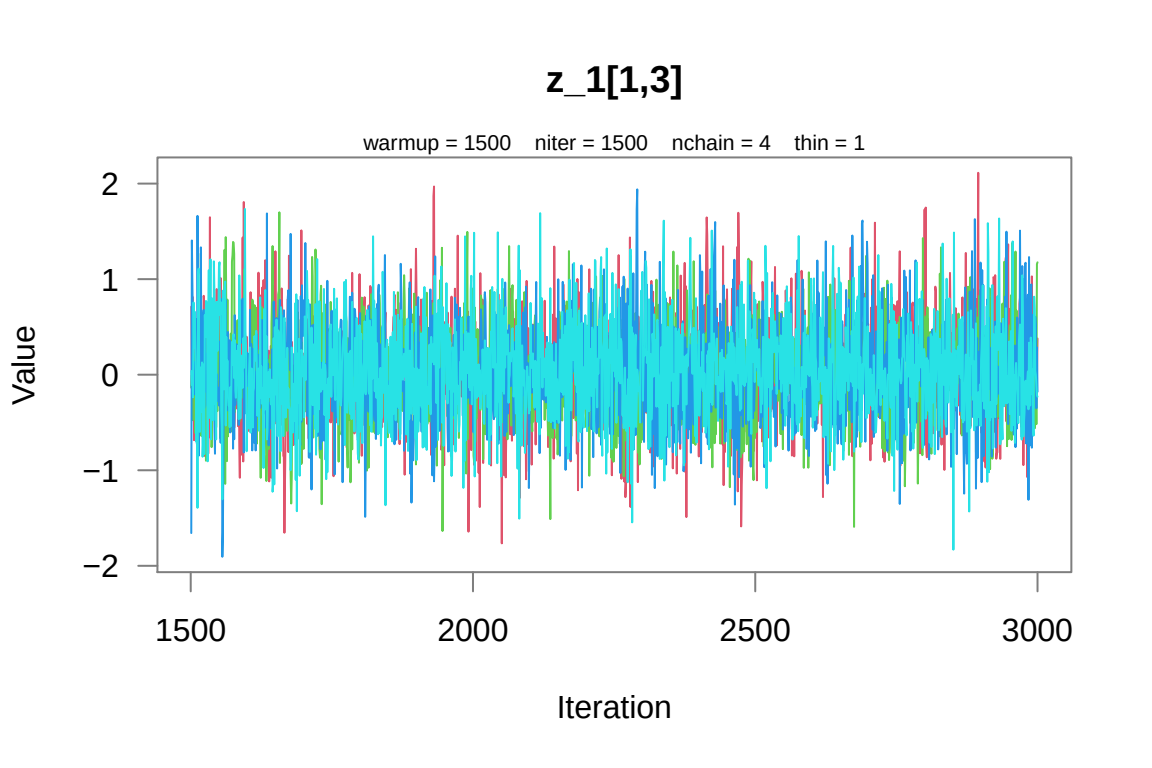

lp__
warmup = 1500 niter = 1500 nchain = 4 thin = 1
−4080
−4090
−4100
−4110
−4120
Value
1500
2000
2500
3000
Iteration

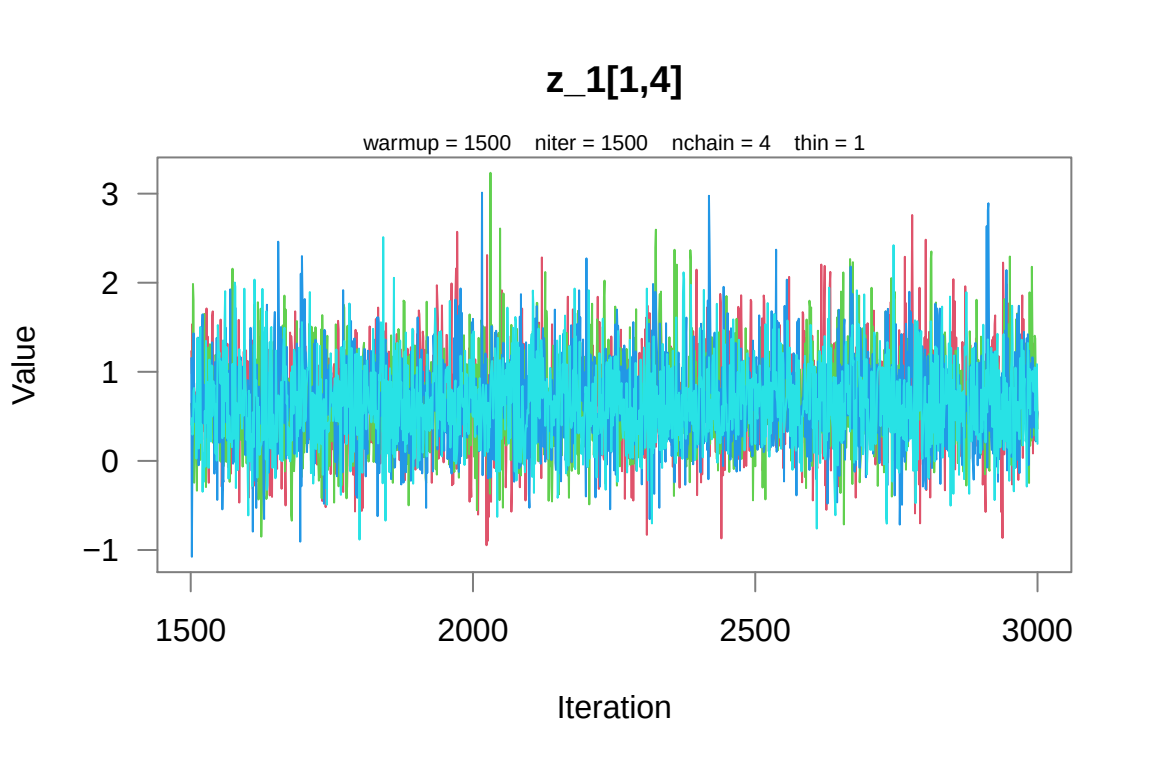

zs_1_1[1]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration

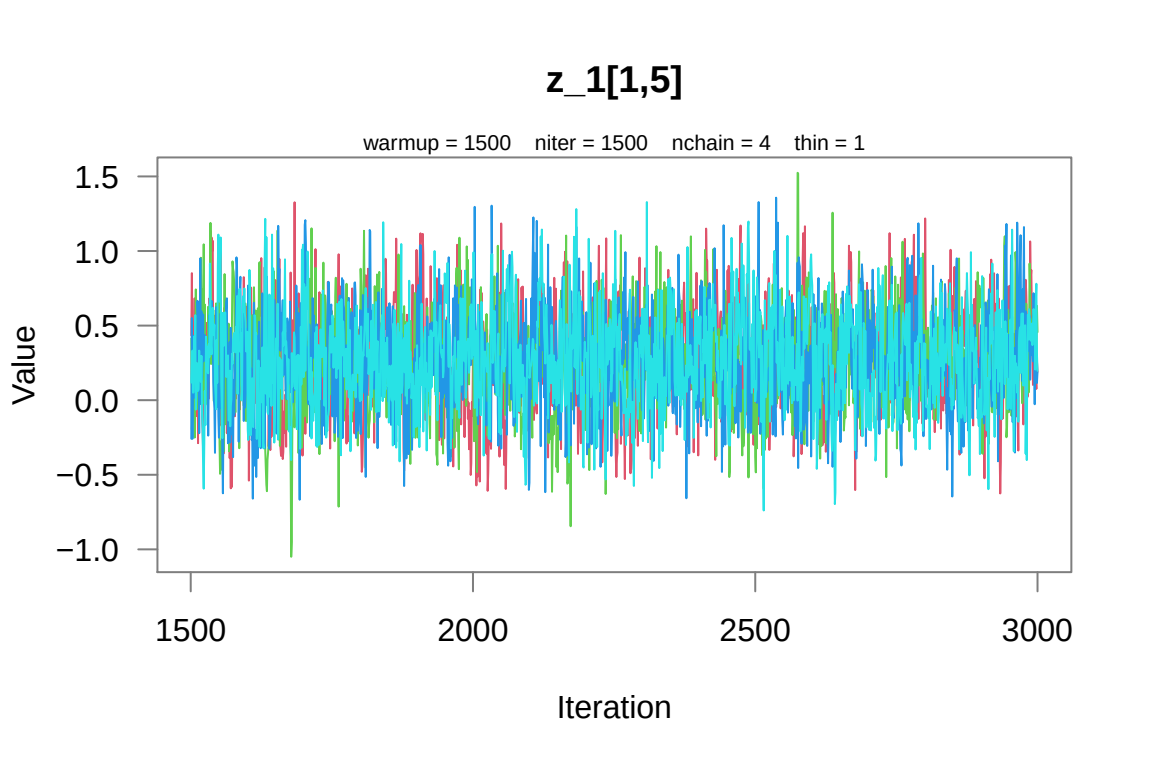

zs_zi_1_1[1]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration

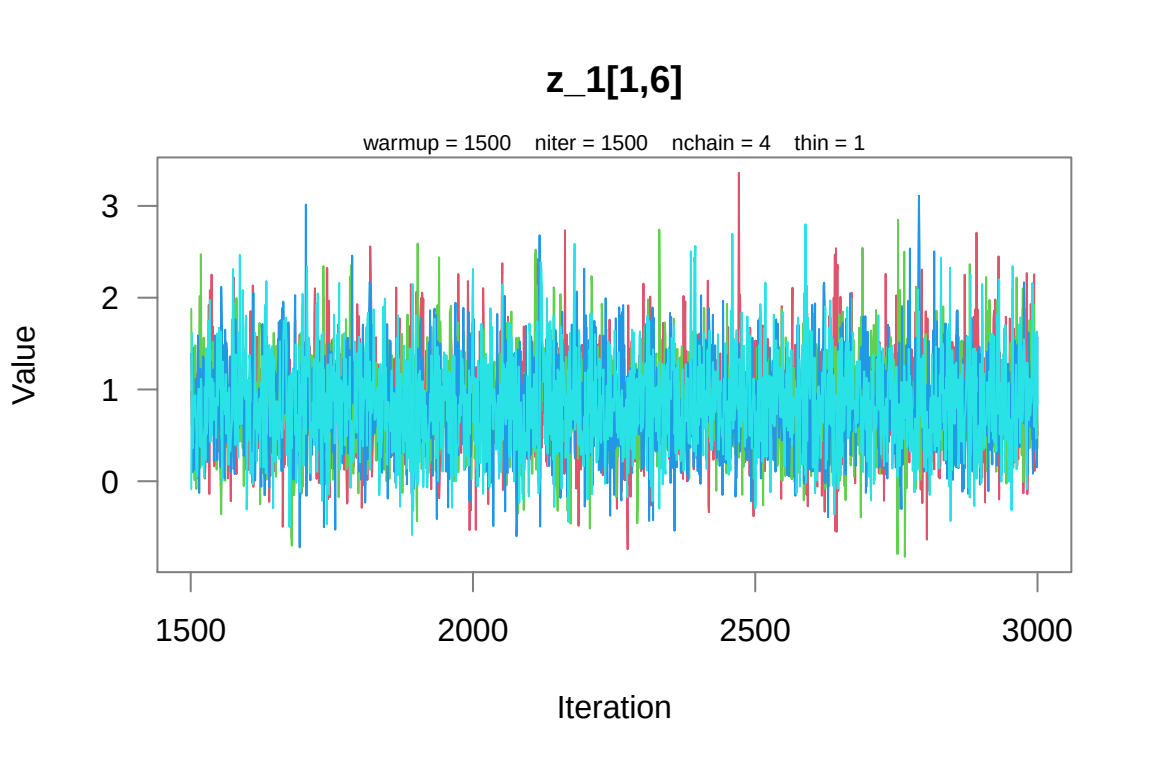

z_1[1,1]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
1500
2000
2500
3000
Iteration

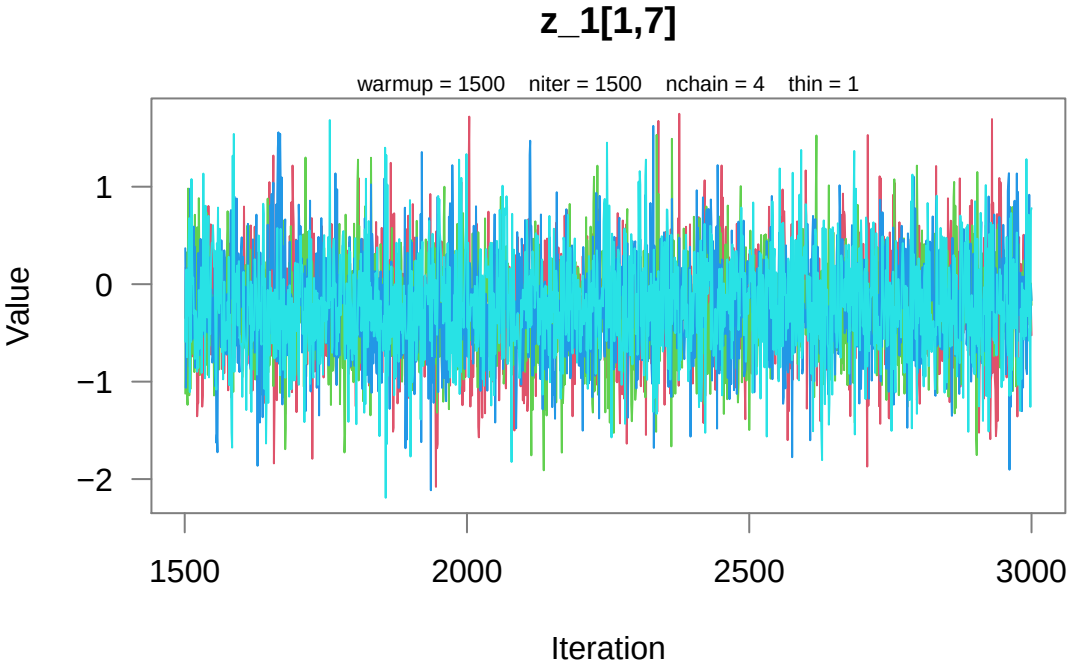

z_1[1,2]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
0.5
0.0
−0.5
−1.0
−1.5
−2.0
−2.5
Value
1500
2000
2500
3000
Iteration

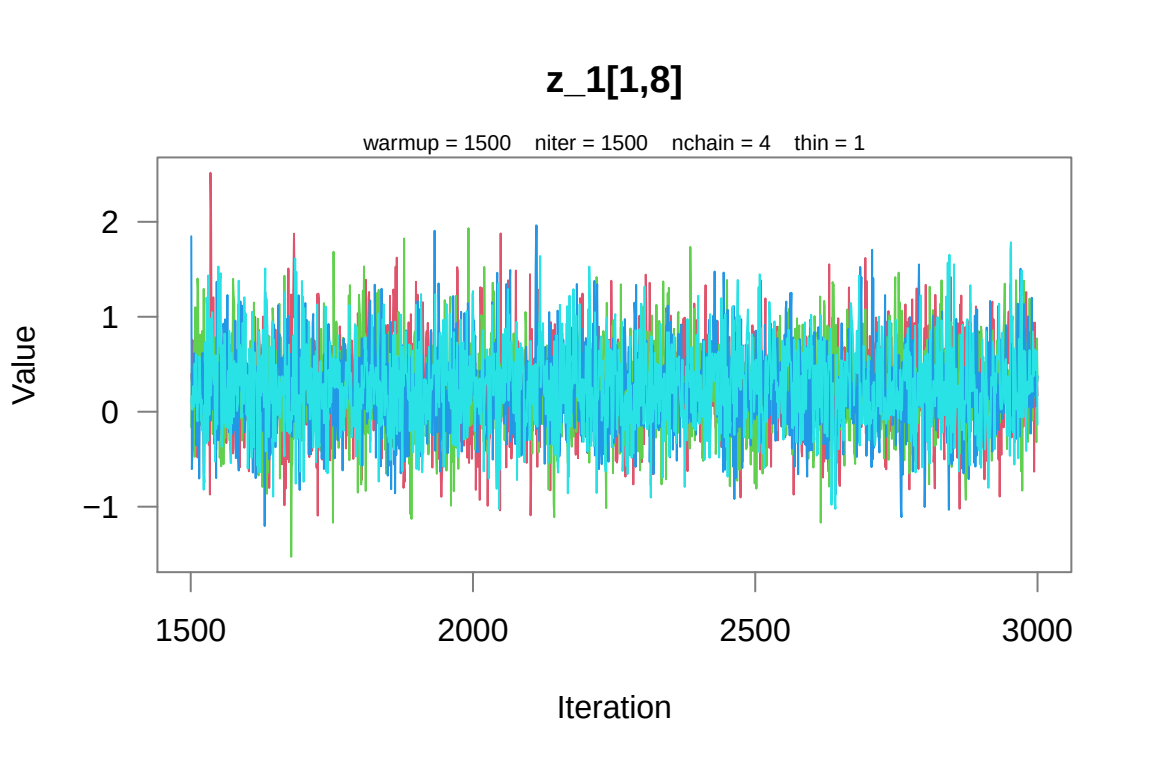

z_1[1,3]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
1500
2000
2500
3000
Iteration

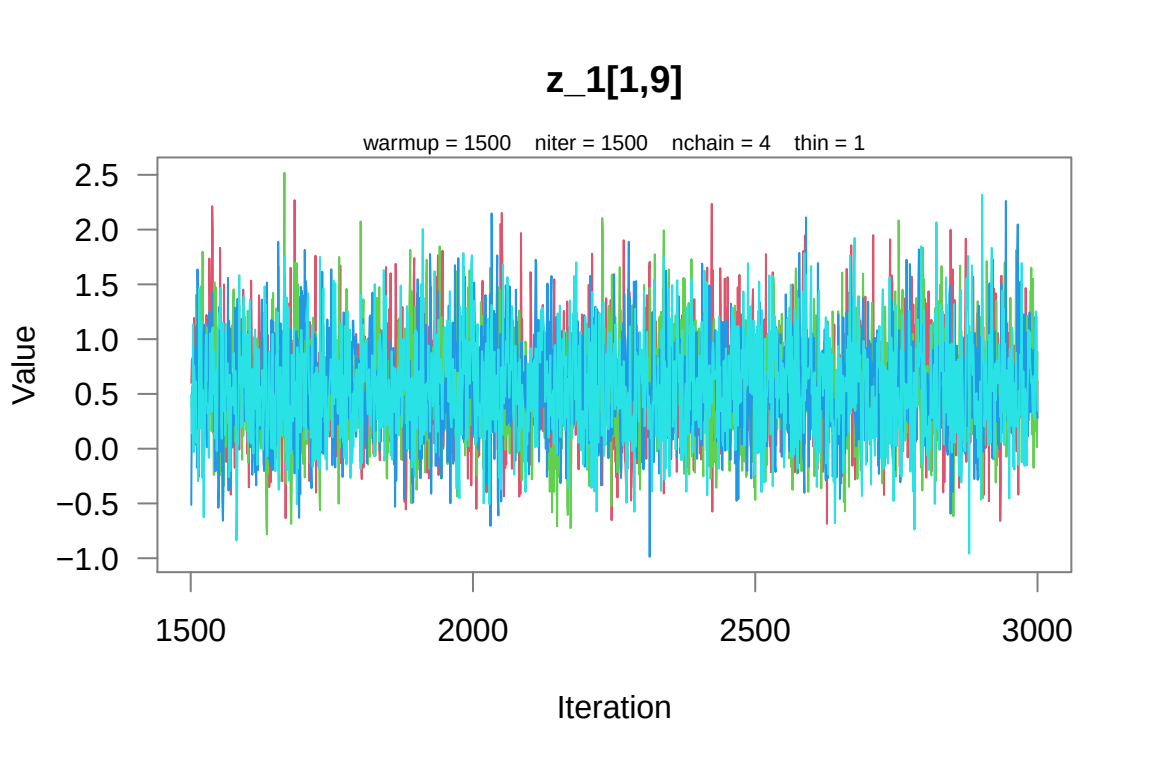

z_1[1,4]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

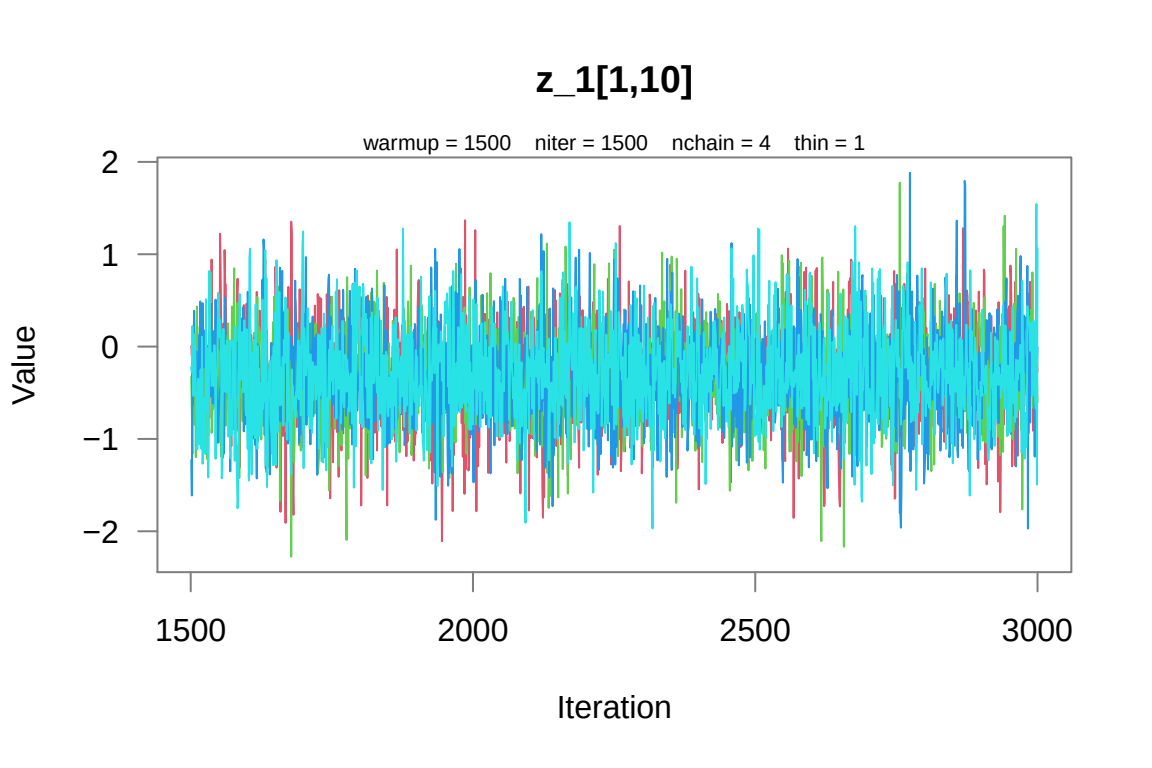

z_1[1,5]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
1.5
1.0
0.5
0.0
−0.5
−1.0
Value
1500
2000
2500
3000
Iteration

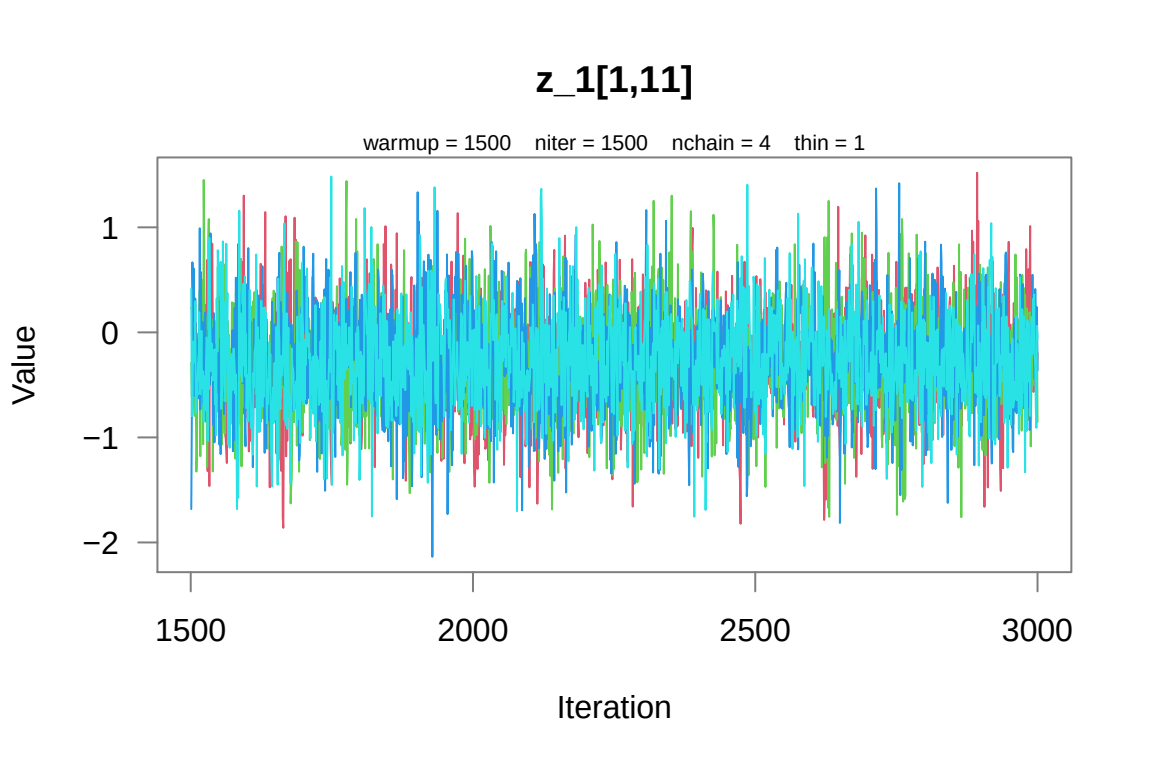

z_1[1,6]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
1500
2000
2500
3000
Iteration

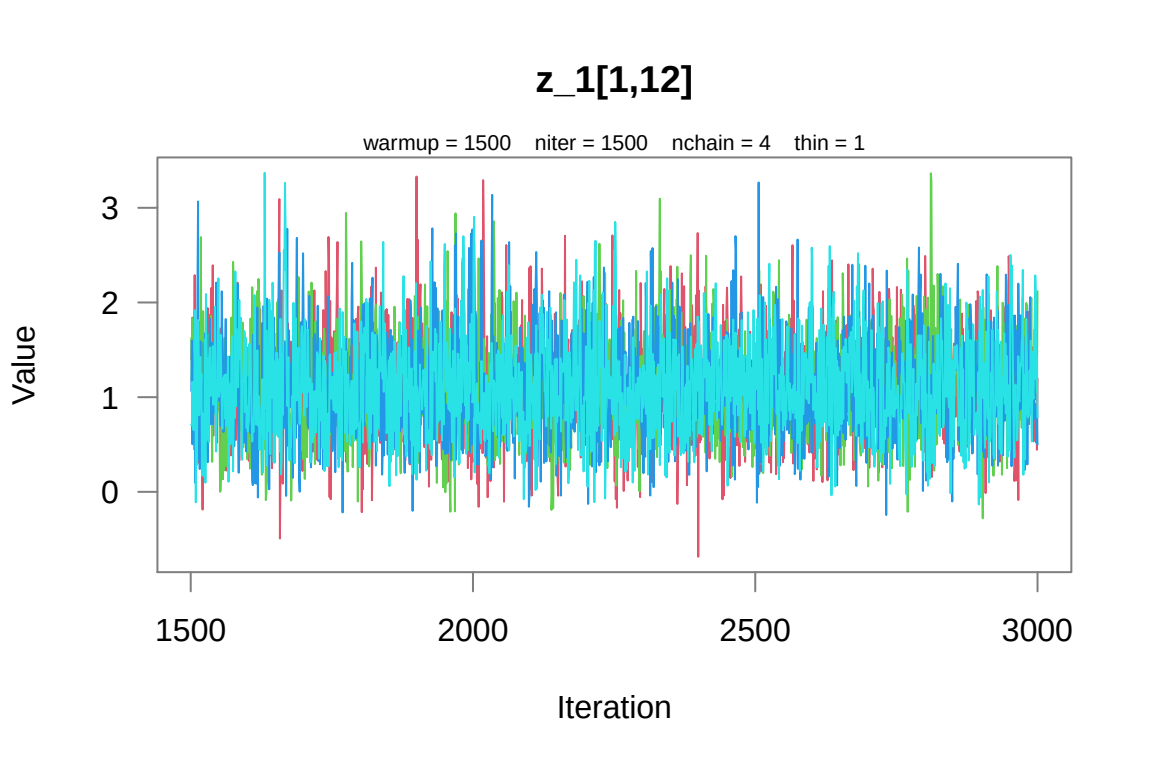

z_1[1,7]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
1
0
−1
−2
1500
2000
2500
3000
Iteration

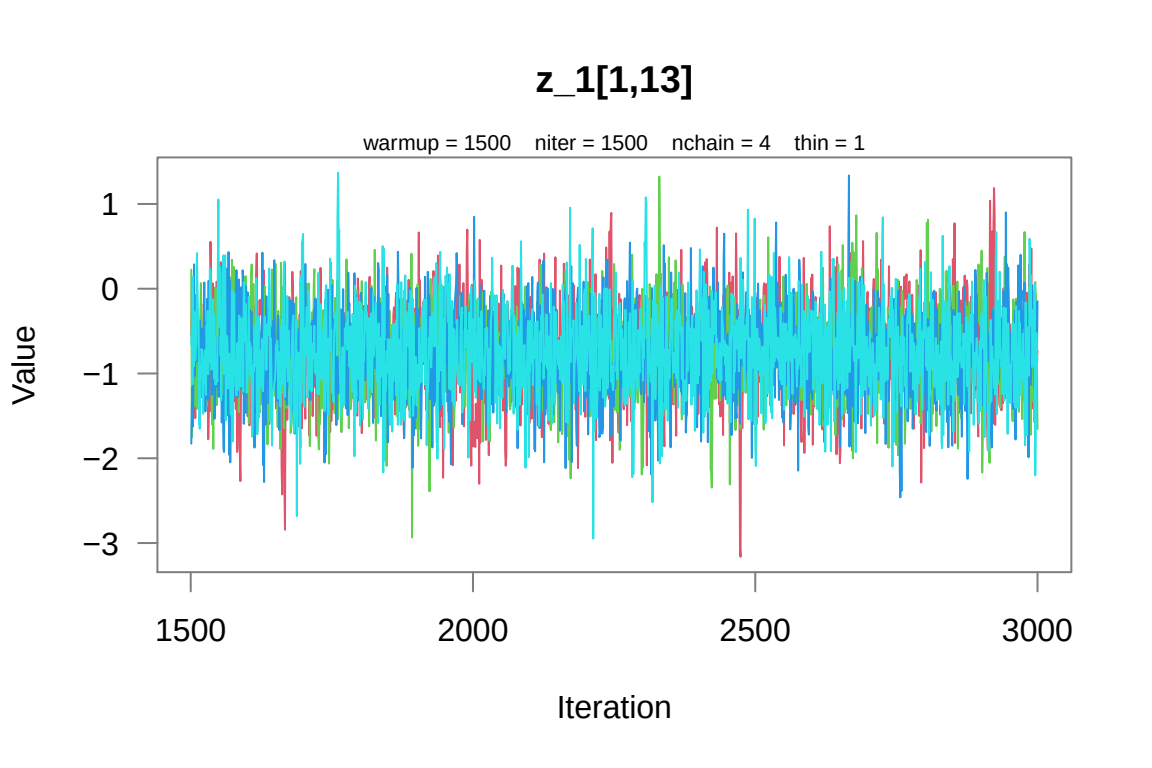

z_1[1,8]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
1500
2000
2500
3000
Iteration

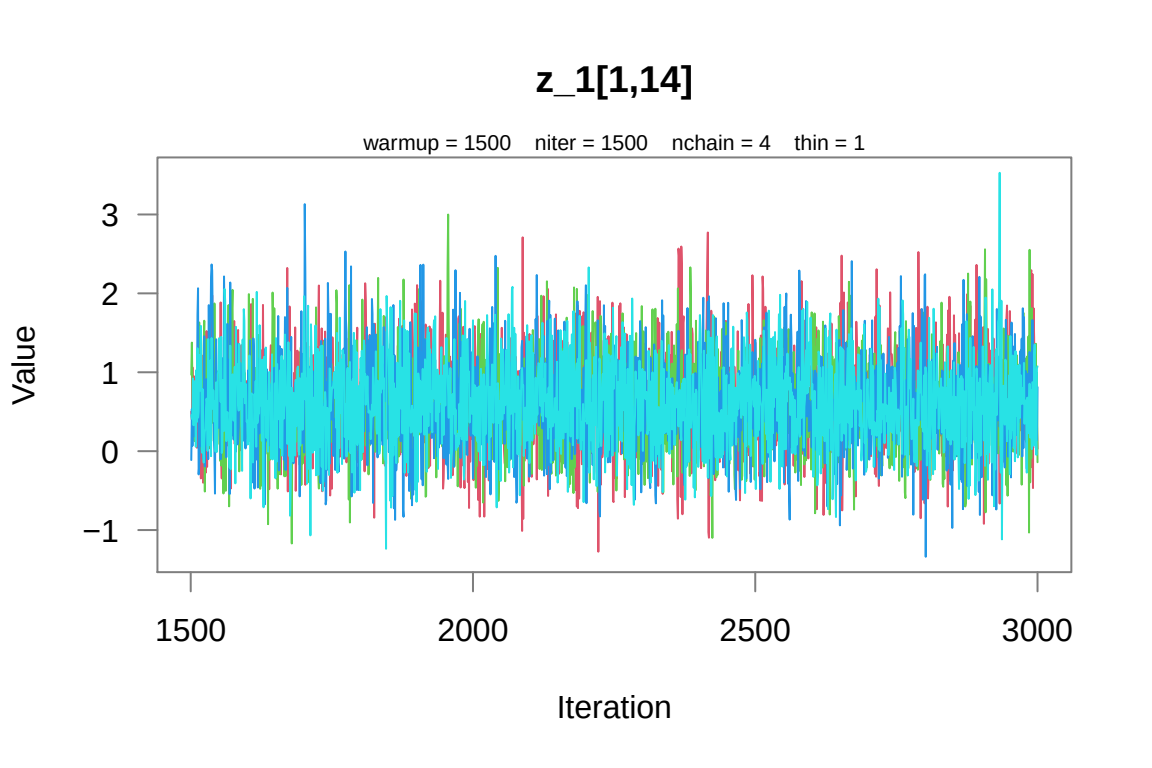

z_1[1,9]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
1500
2000
2500
3000
Iteration

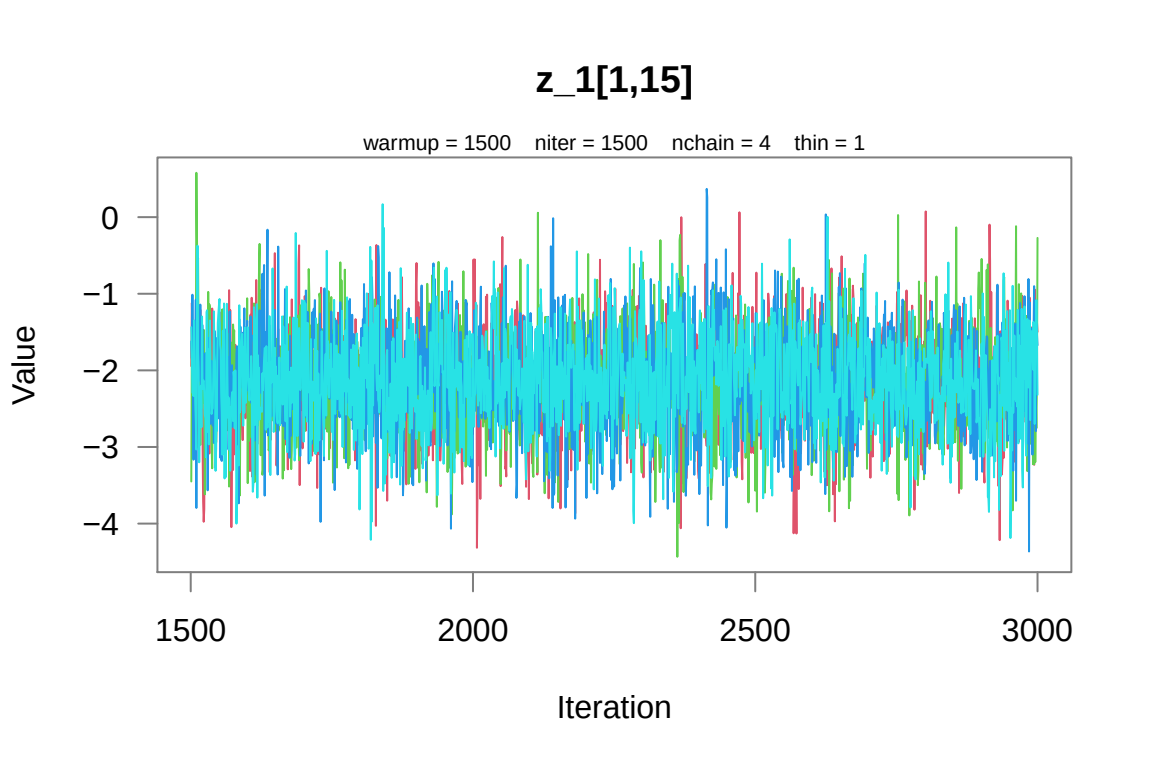

z_1[1,10]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
2
1
0
−1
−2
Value
1500
2000
2500
3000
Iteration

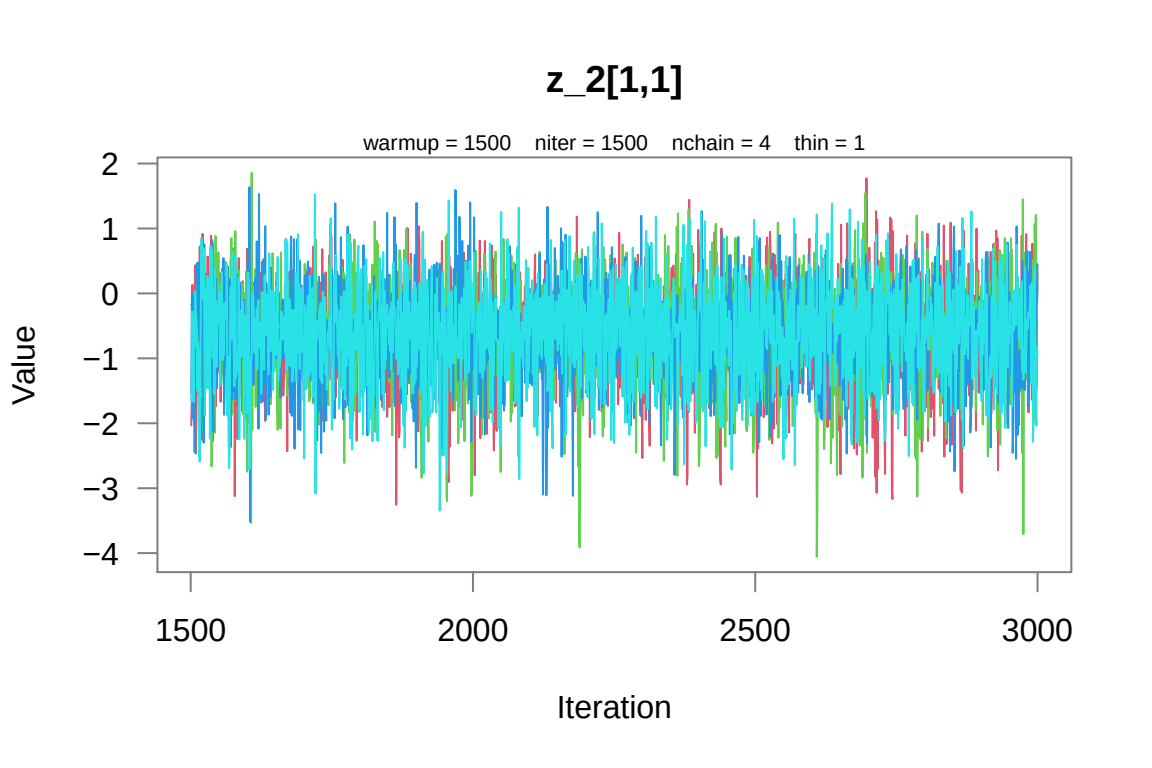

z_1[1,11]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
1
0
−1
−2
1500
2000
2500
3000
Iteration

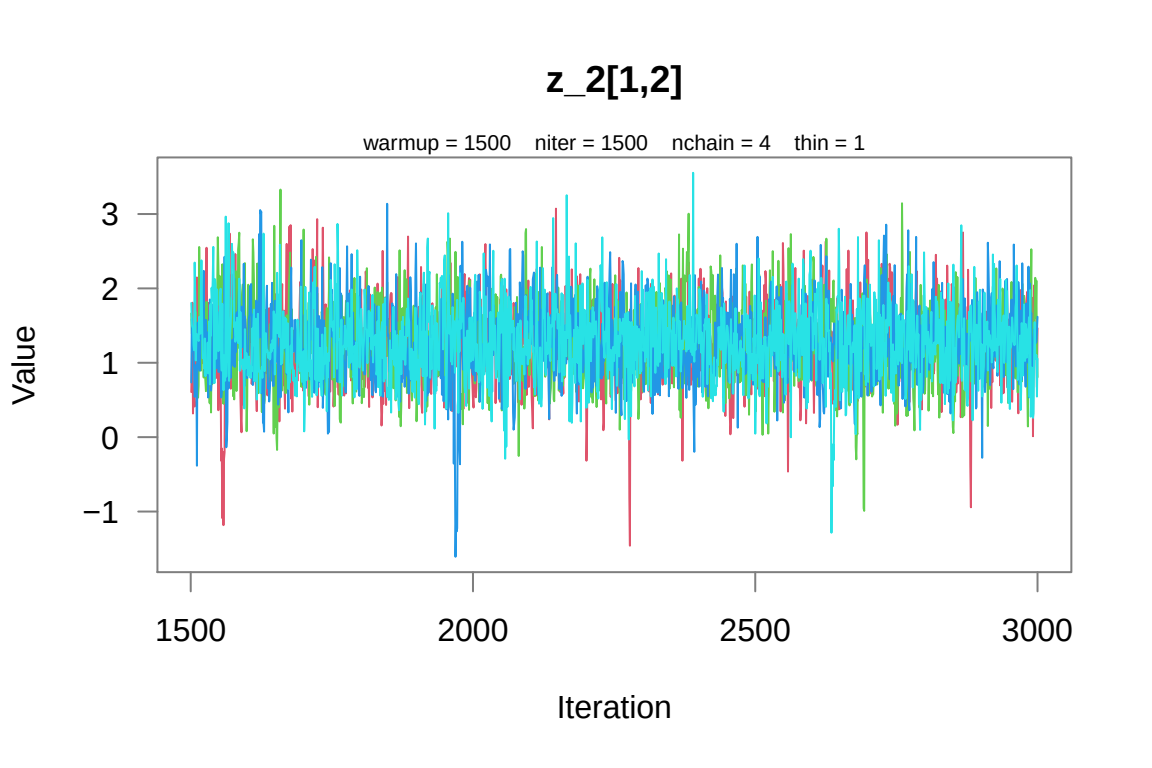

z_1[1,12]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
1500
2000
2500
3000
Iteration

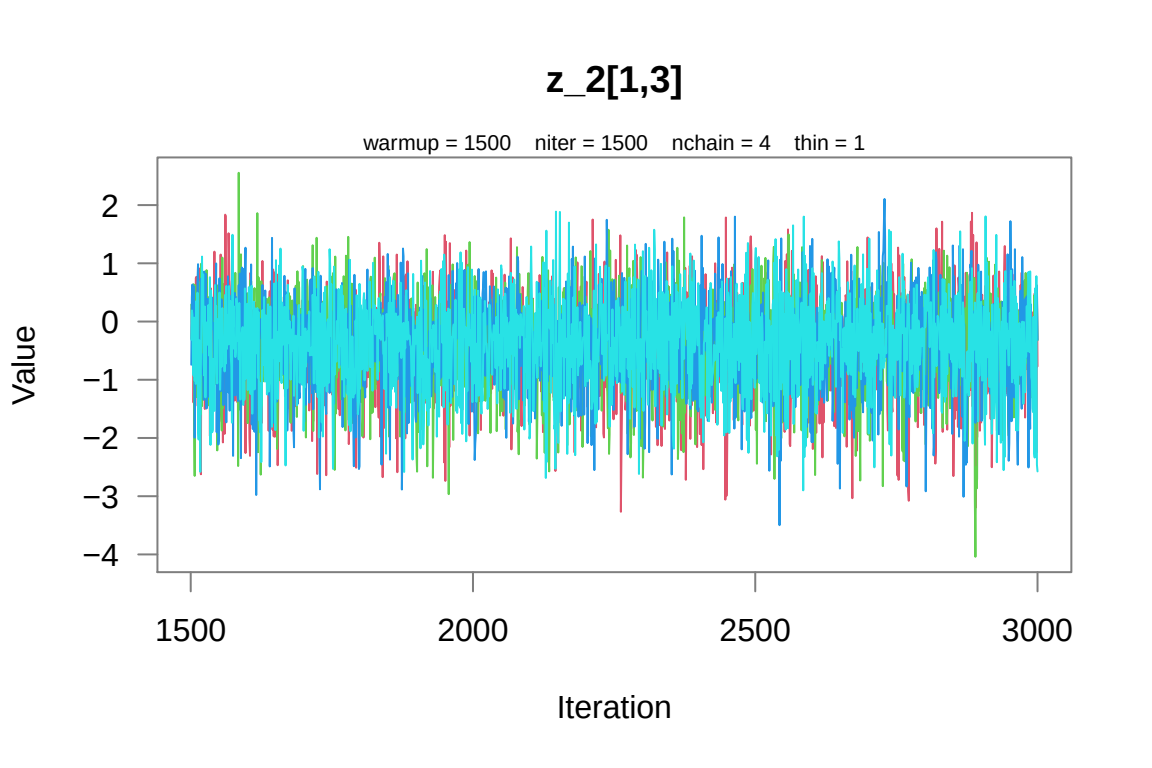

z_1[1,13]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration

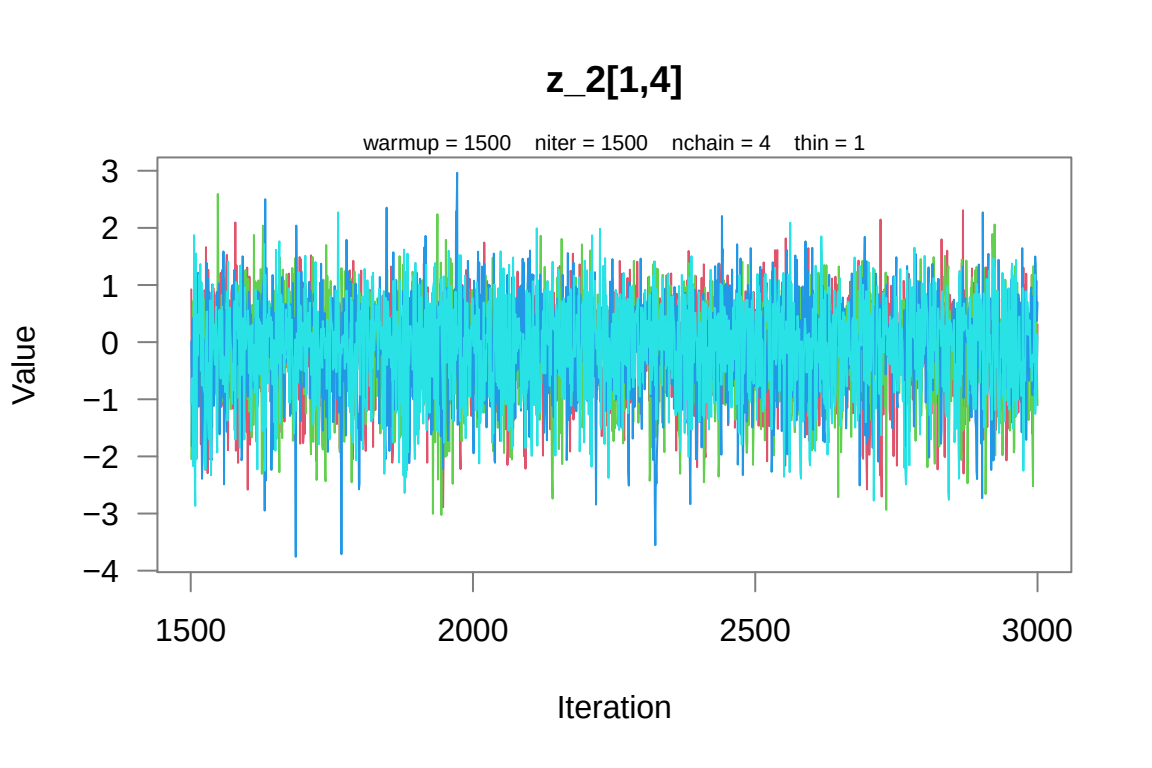

z_1[1,14]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

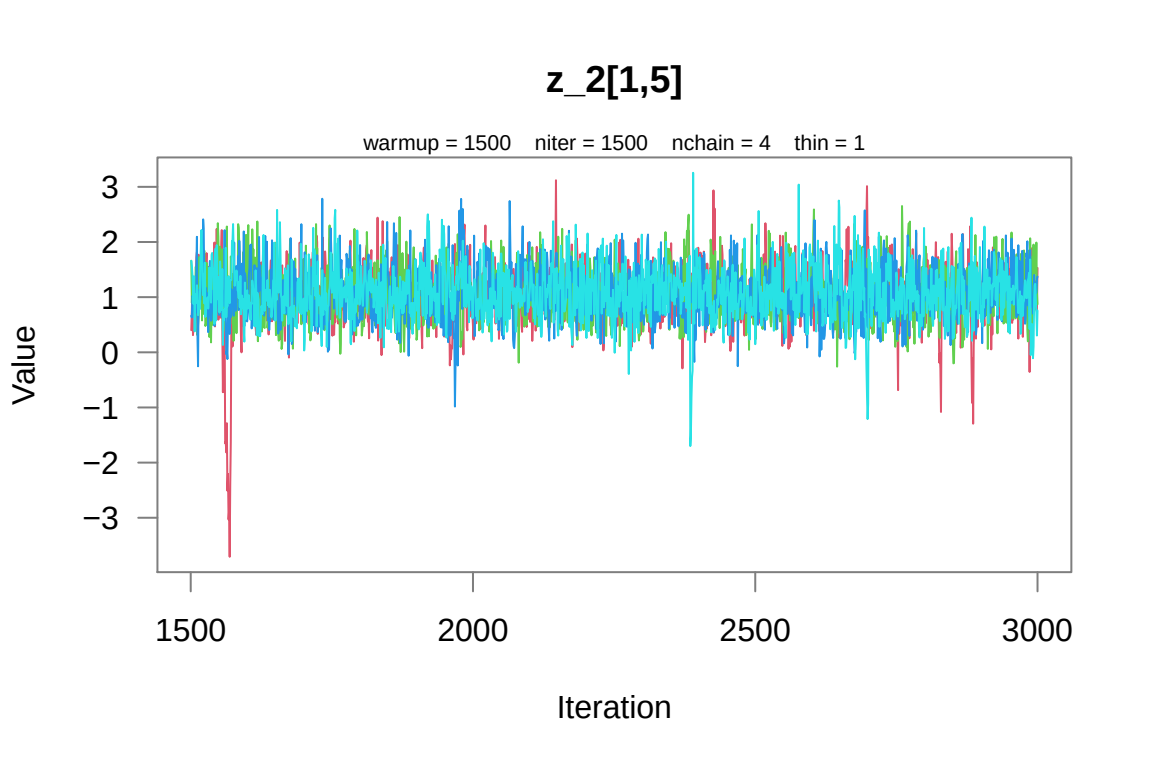

z_1[1,15]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
0
−1
−2
−3
−4
1500
2000
2500
3000
Iteration

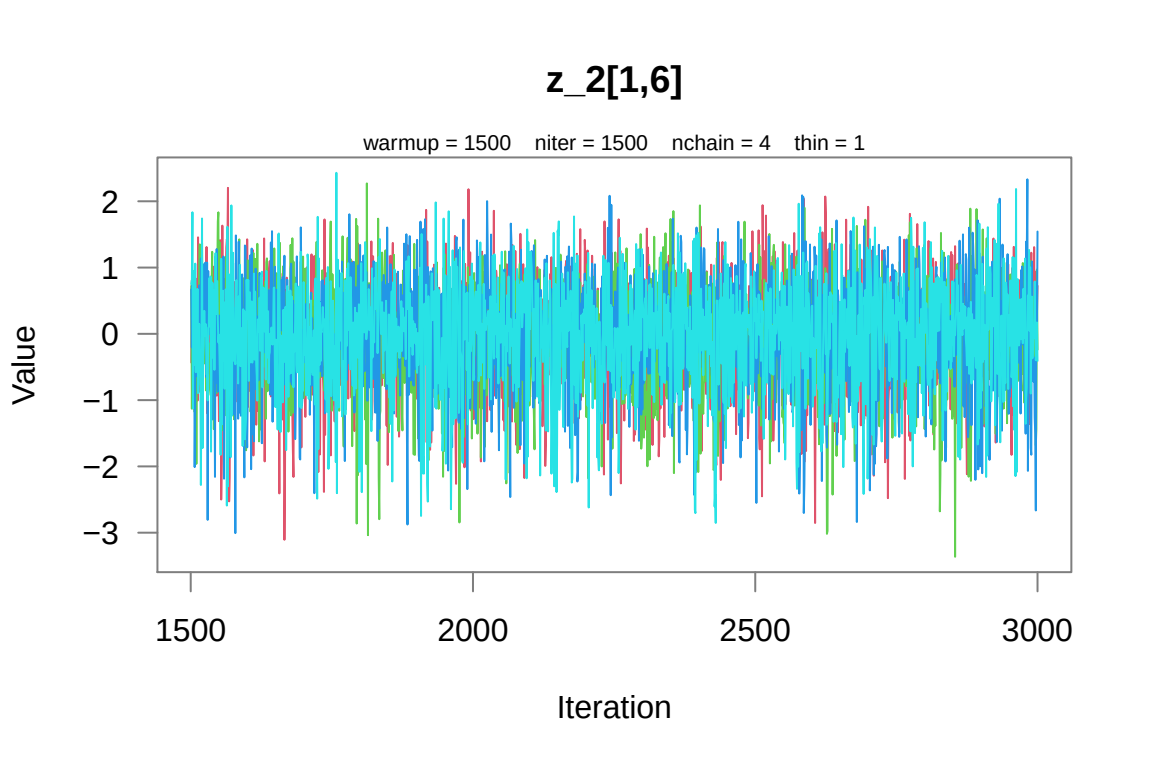

z_2[1,1]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
2
1
0
−1
−2
−3
−4
Value
1500
2000
2500
3000
Iteration

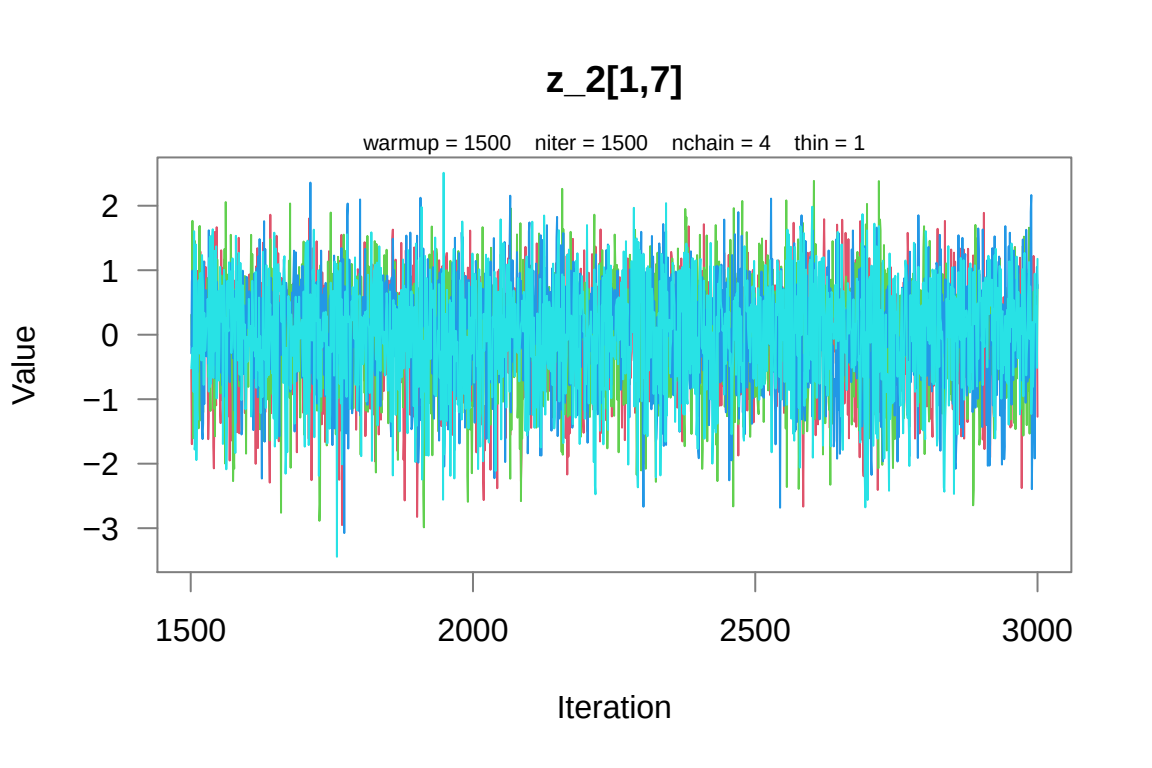

z_2[1,2]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
1500
2000
2500
3000
Iteration

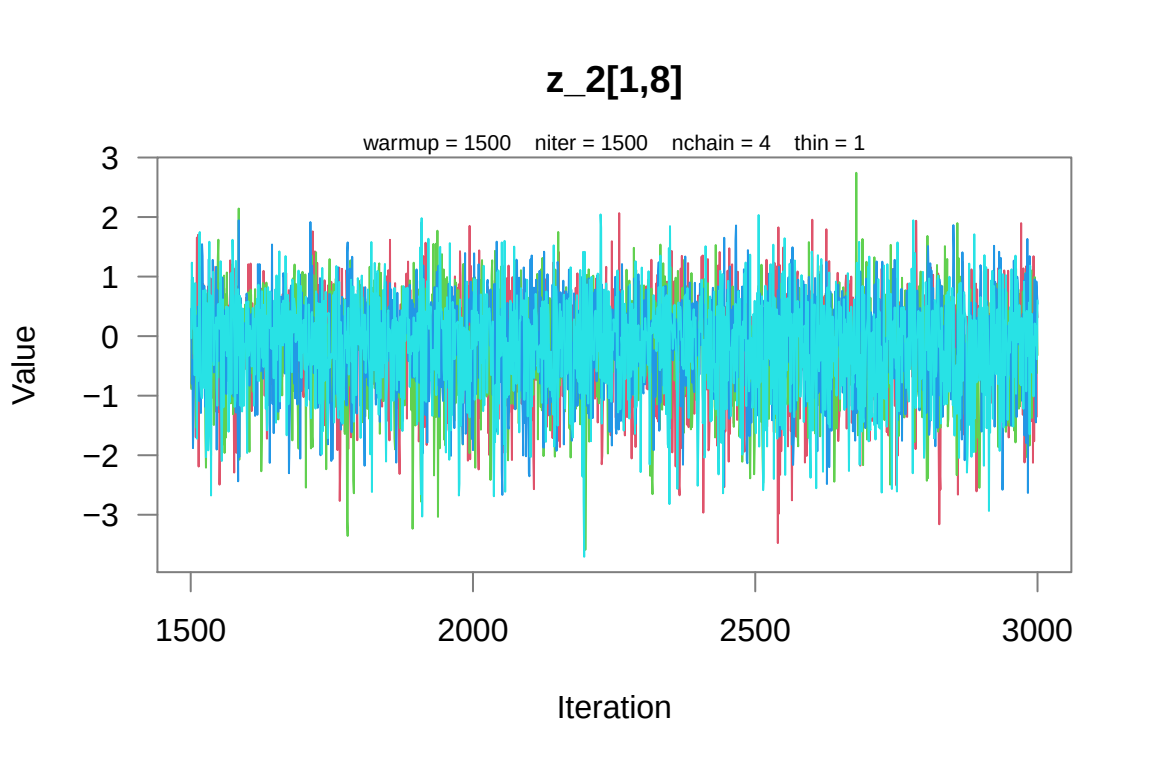

z_2[1,3]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
−4
1500
2000
2500
3000
Iteration

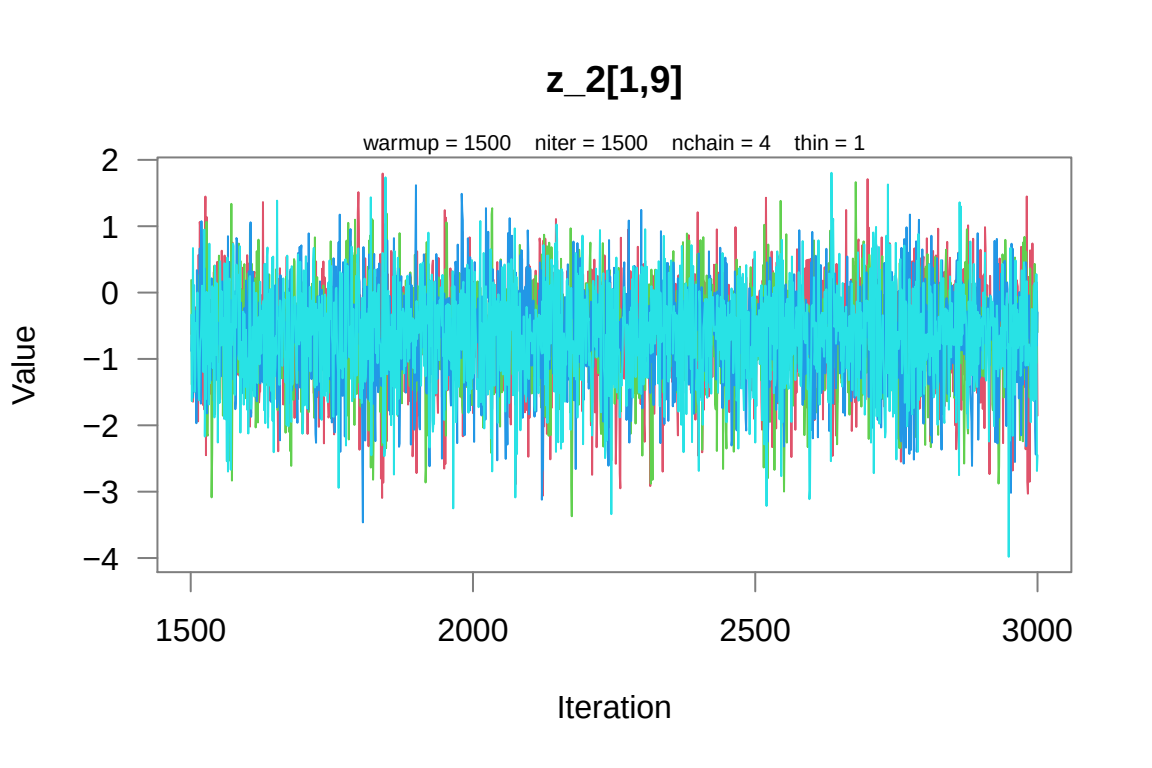

z_2[1,4]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
−2
−3
−4
1500
2000
2500
3000
Iteration

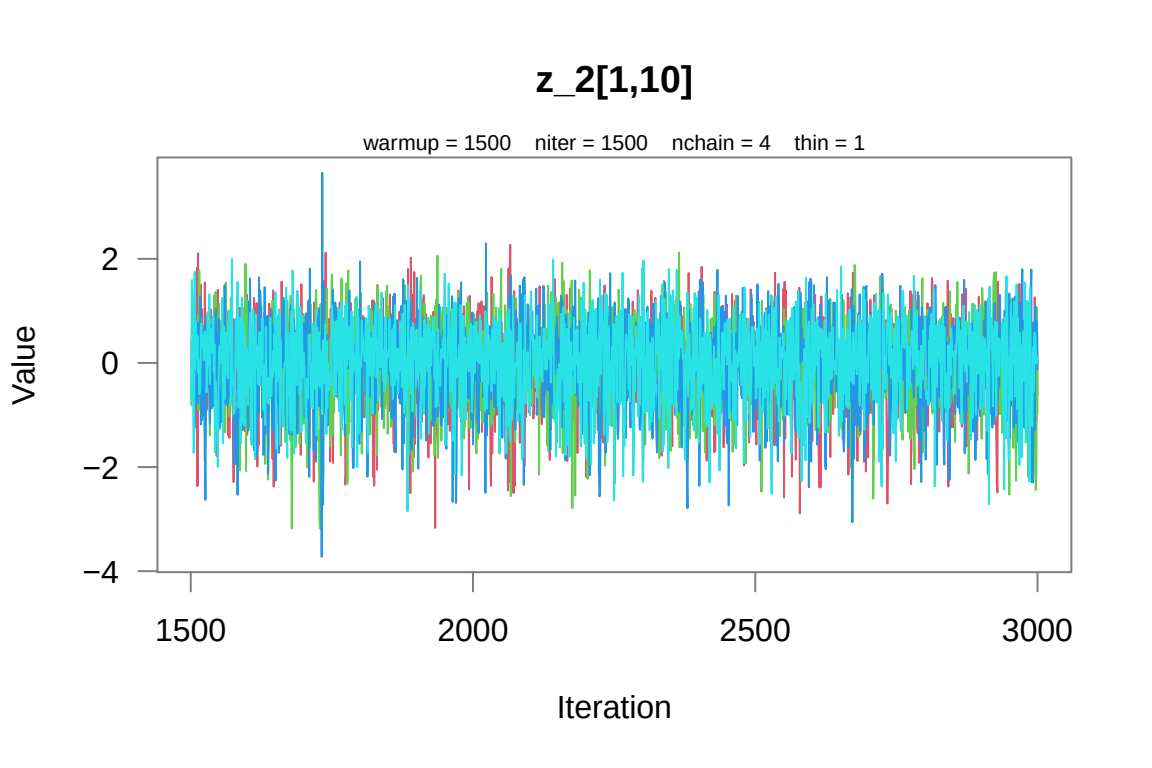

z_2[1,5]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
3
2
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration

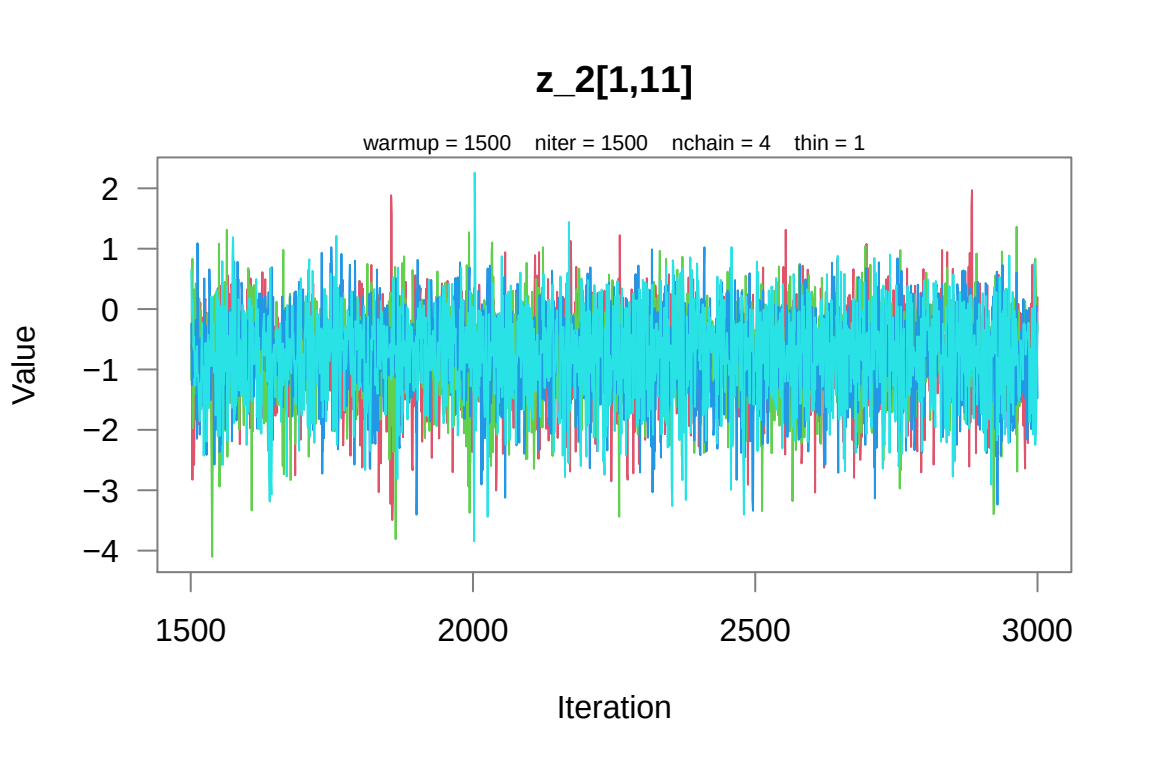

z_2[1,6]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration

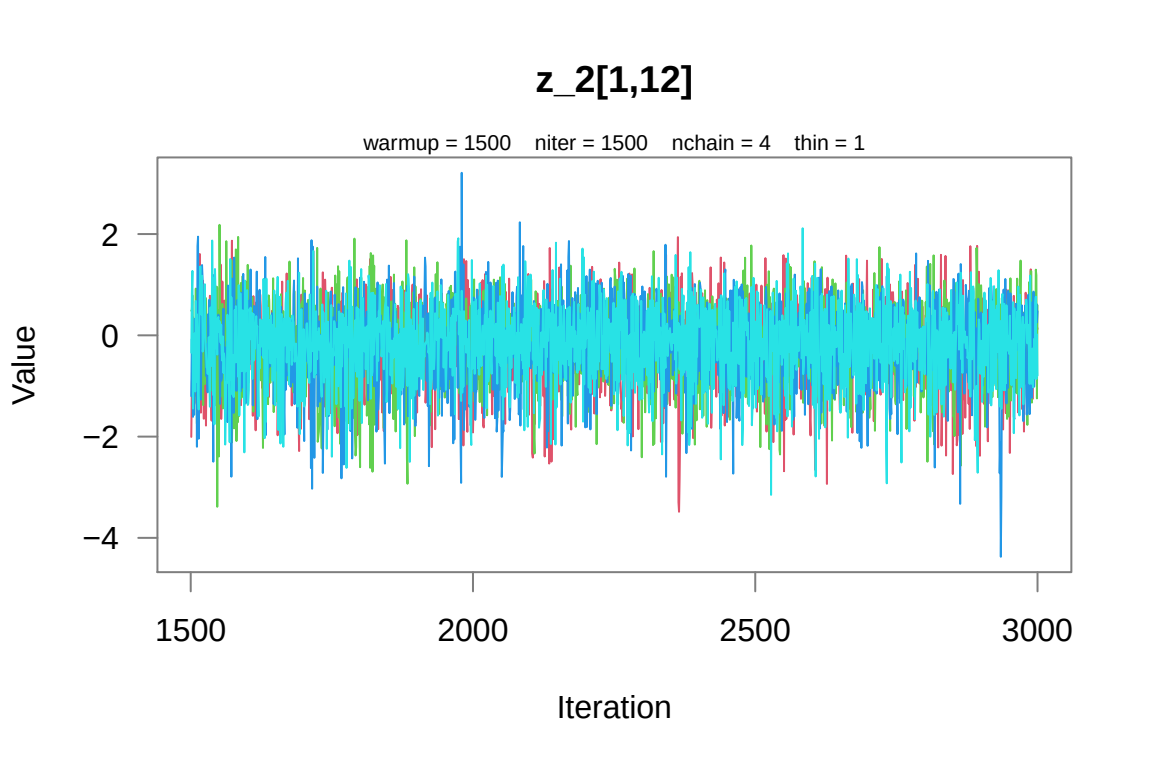

z_2[1,7]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration

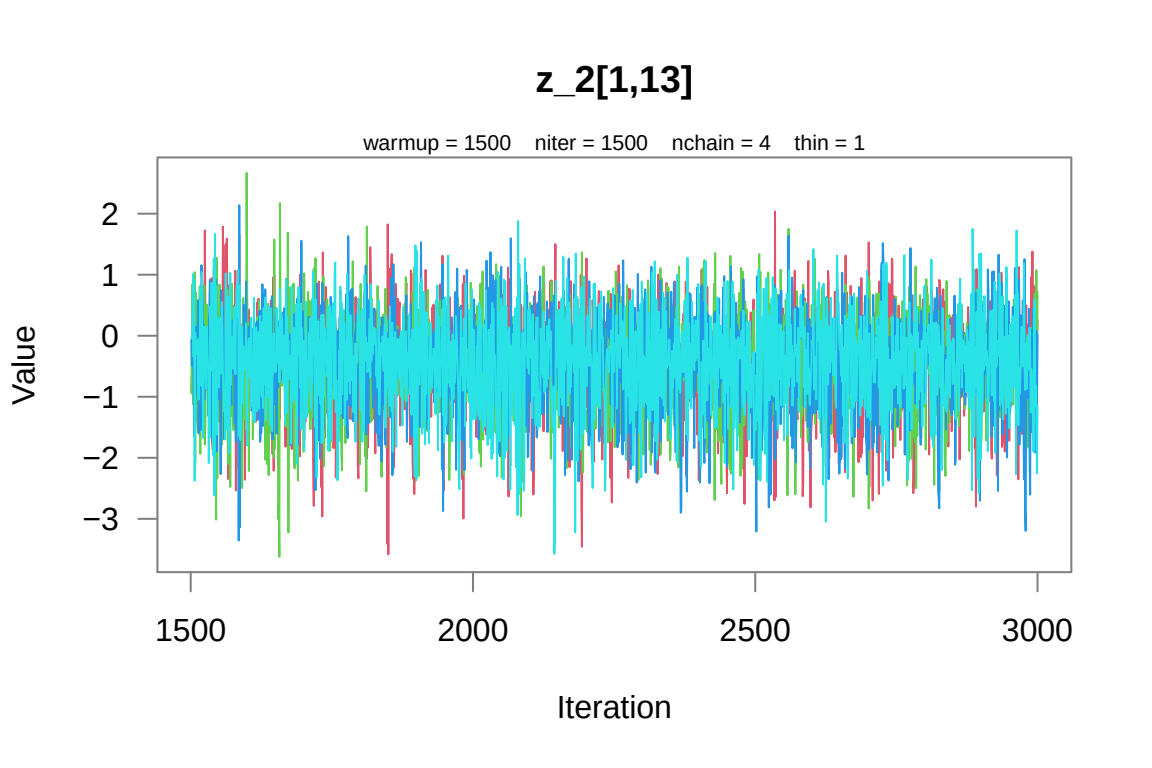

z_2[1,8]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
3
2
1
0
−1
−2
−3
Value
1500
2000
2500
3000
Iteration

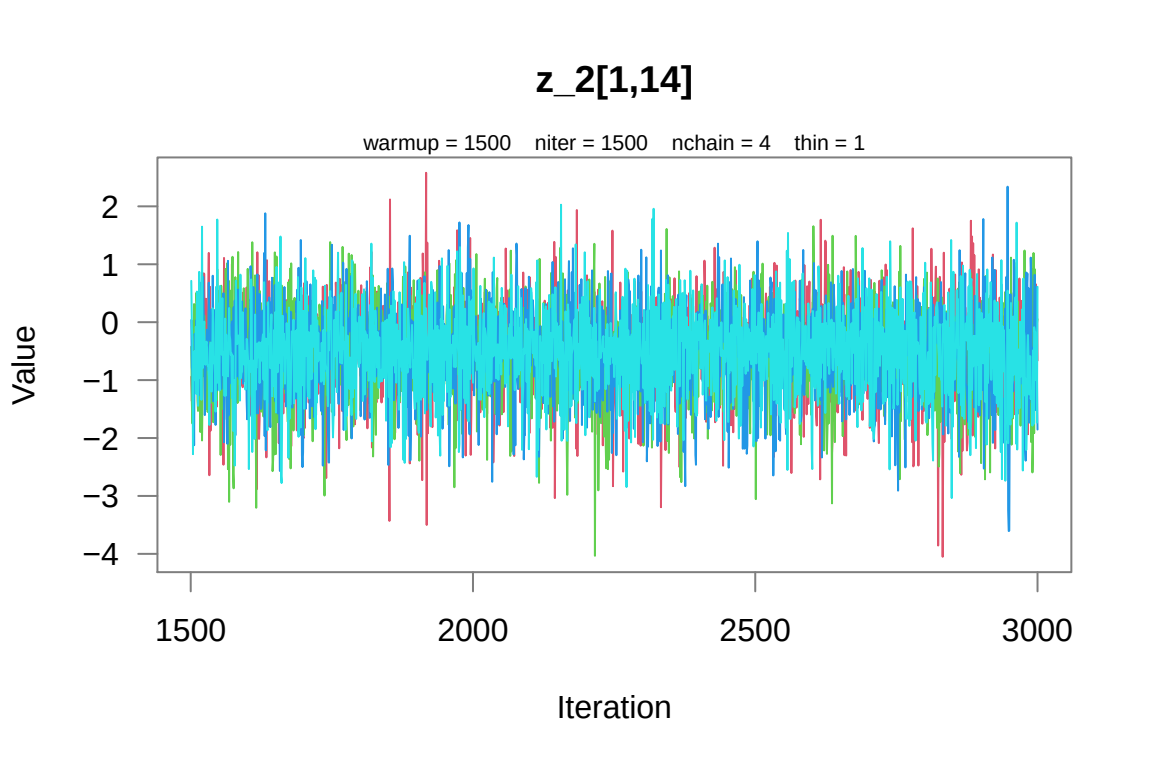

z_2[1,9]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
−4
1500
2000
2500
3000
Iteration

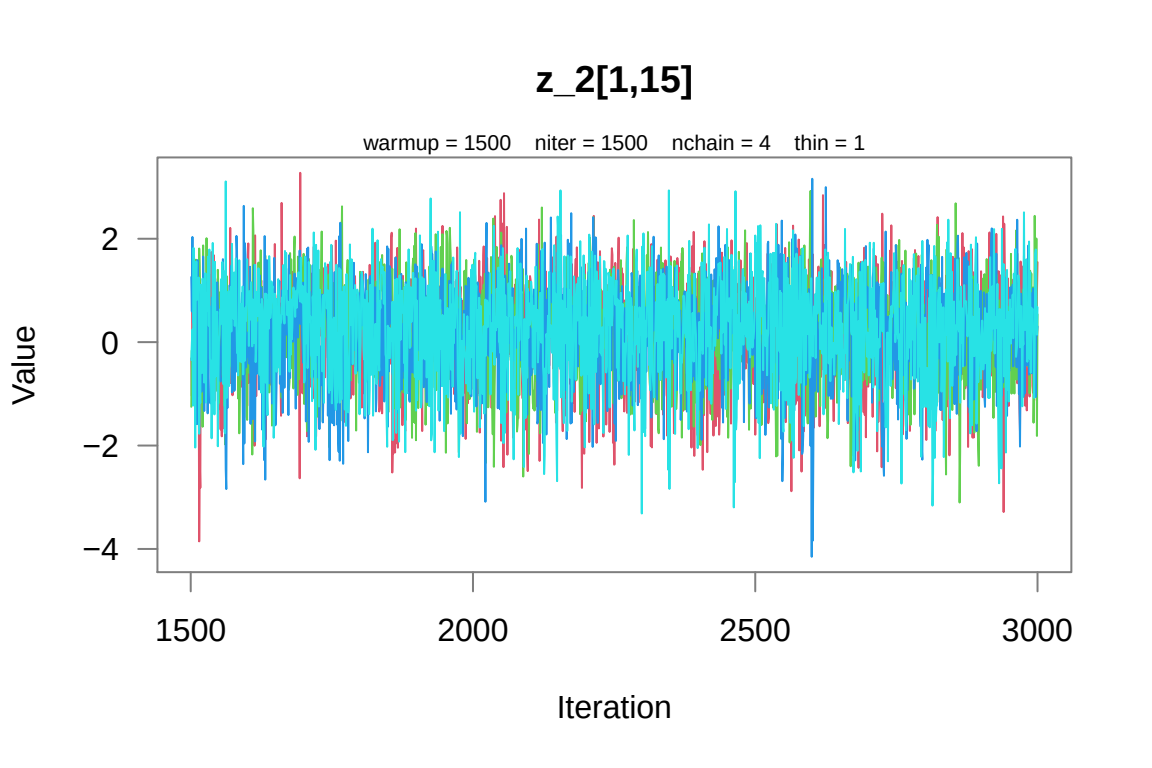

z_2[1,10]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
0
−2
−4
1500
2000
2500
3000
Iteration


z_2[1,11]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
−4
1500
2000
2500
3000
Iteration


z_2[1,12]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
0
−2
−4
1500
2000
2500
3000
Iteration


z_2[1,13]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
1500
2000
2500
3000
Iteration


z_2[1,14]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
1
0
−1
−2
−3
−4
1500
2000
2500
3000
Iteration


z_2[1,15]
warmup = 1500 niter = 1500 nchain = 4 thin = 1
Value
2
0
−2
−4
1500
2000
2500
3000
Iteration