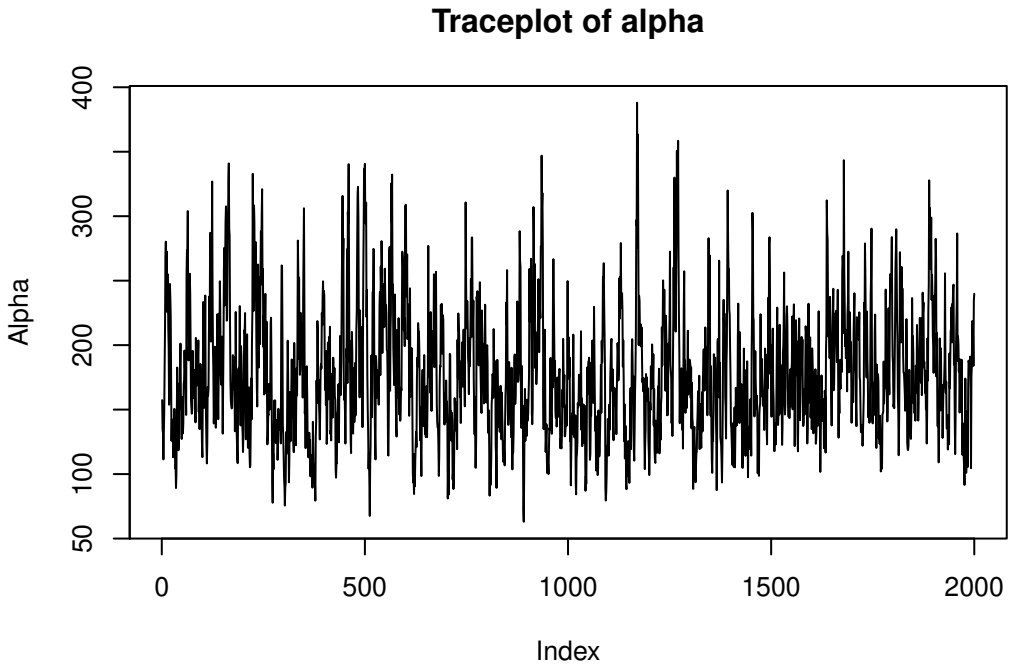
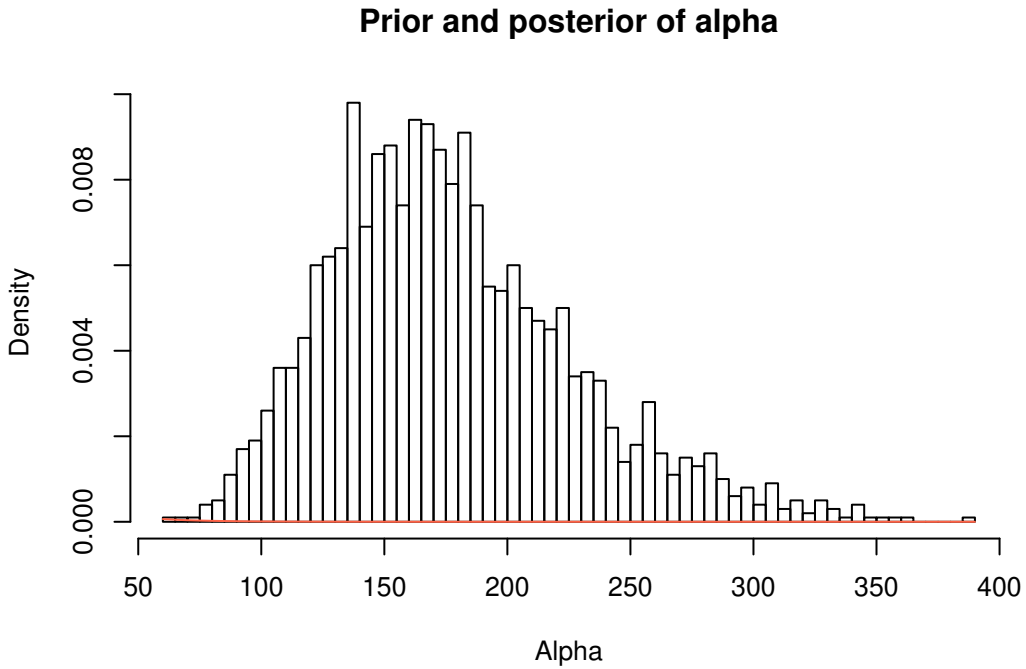
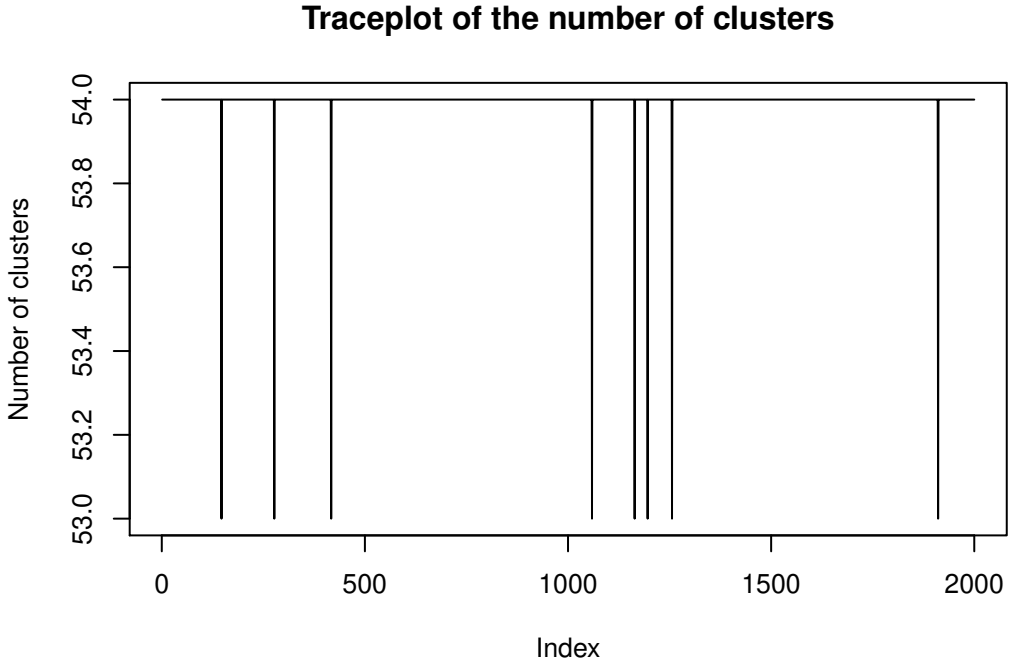
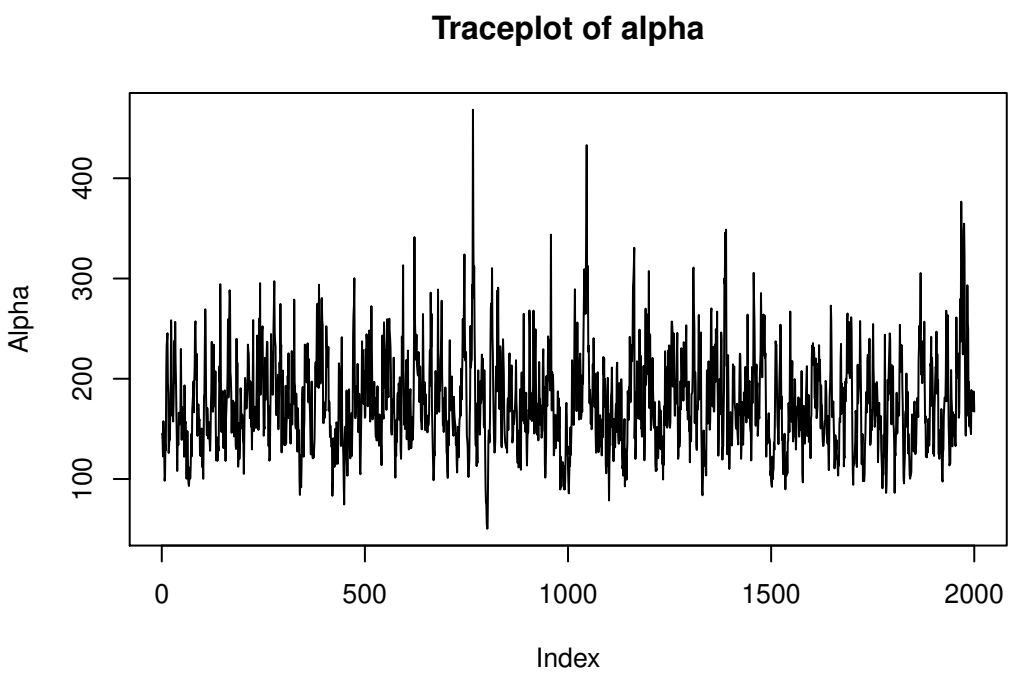
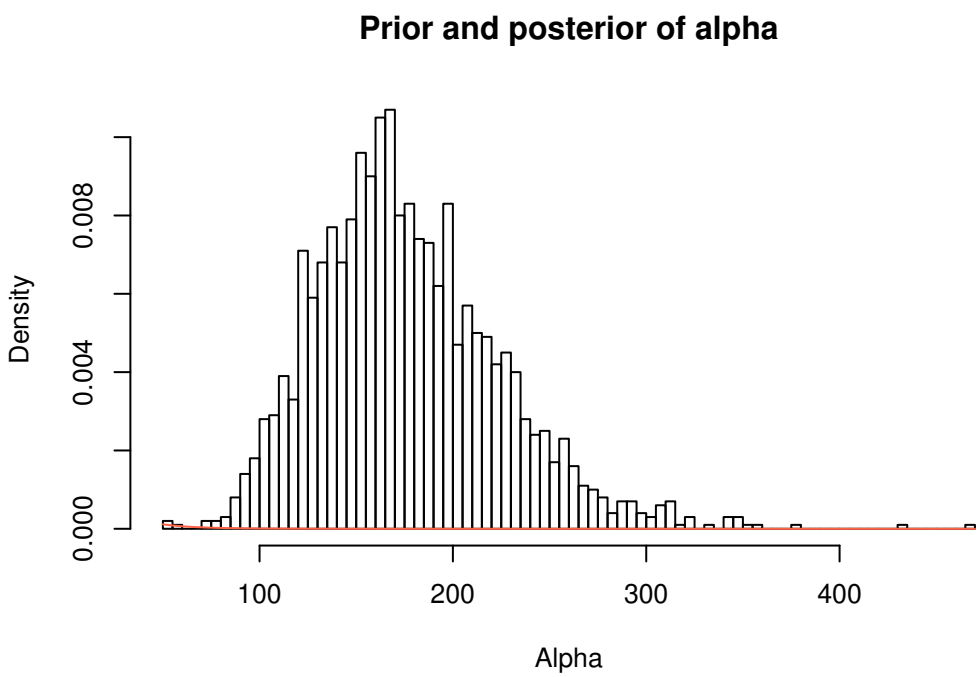
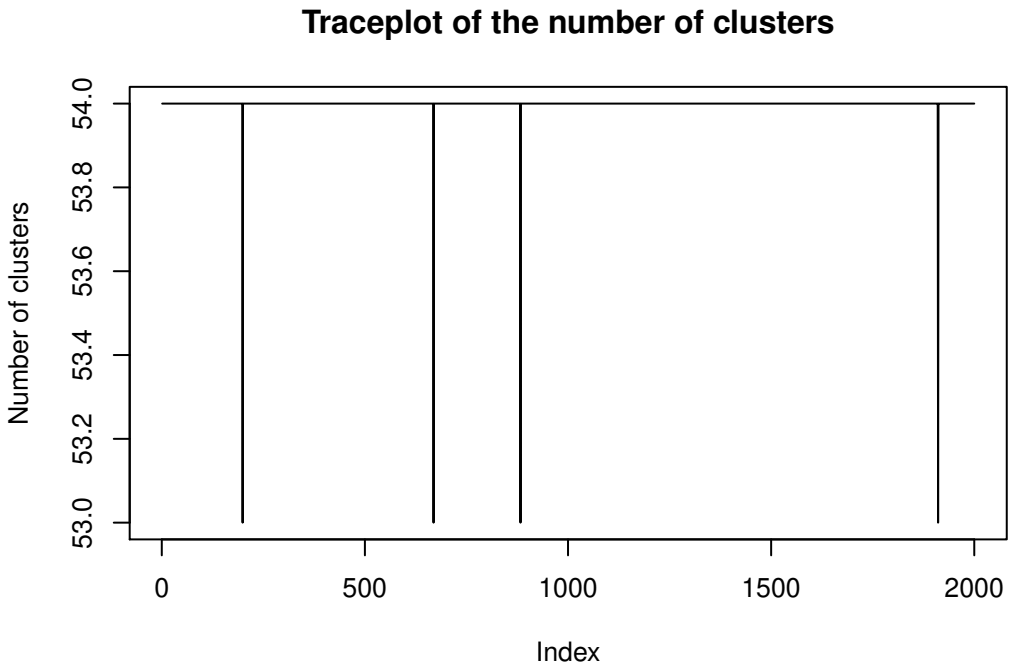

Traceplot of alpha
Alpha
Index
50
100
200
300
400
0
500
1000
1500
2000

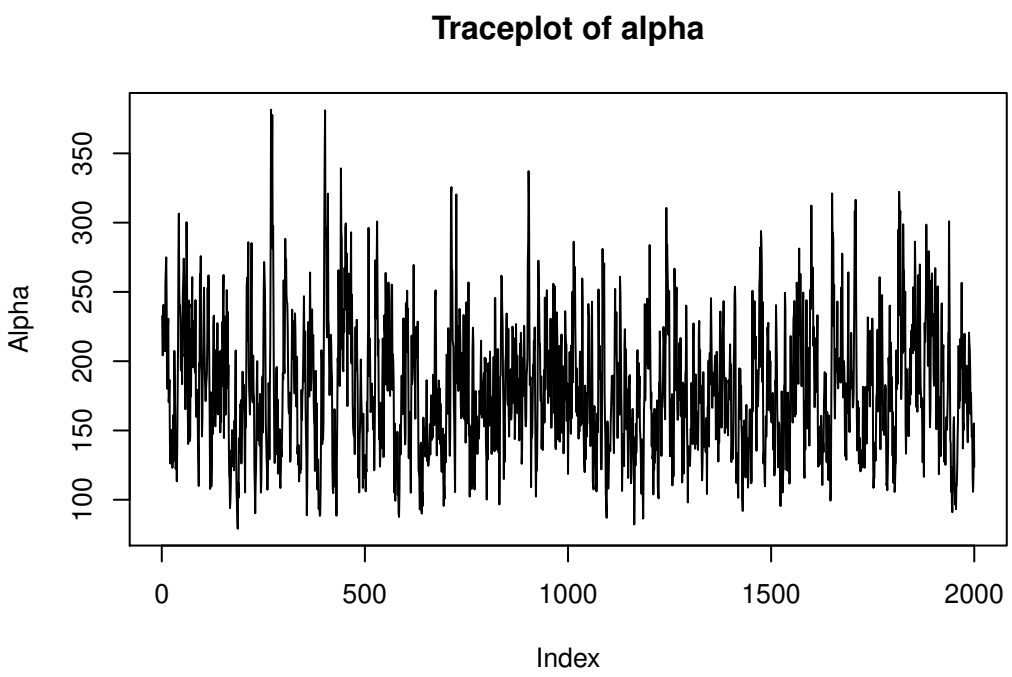

Prior and posterior of alpha
Density
Alpha
0.000
0.004
0.008
50
100
150
200
250
300
350
400

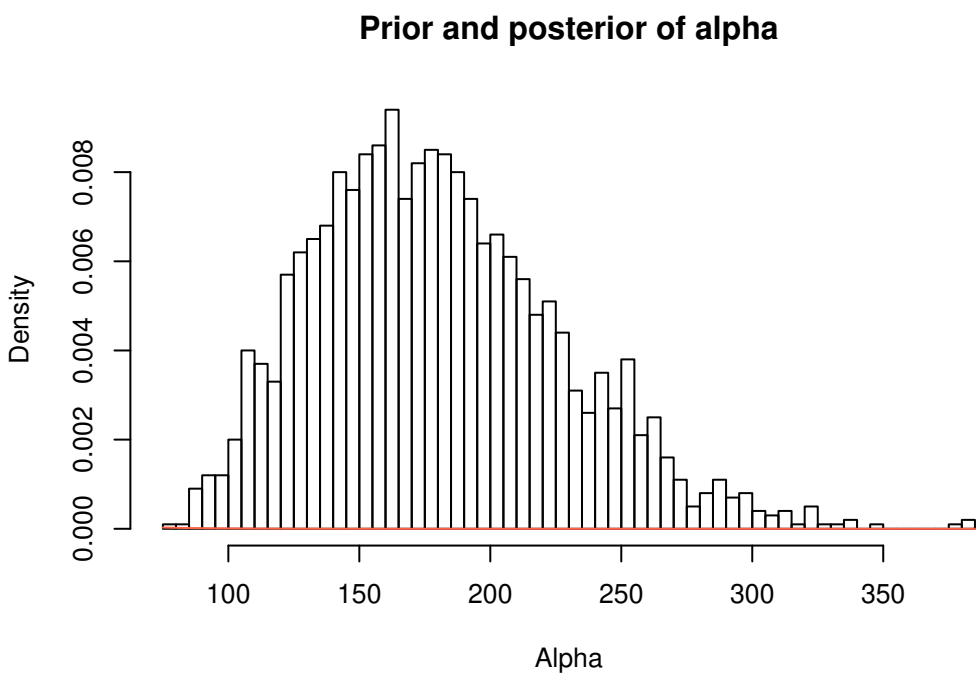

Traceplot of the number of clusters
Number of clusters
Index
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000

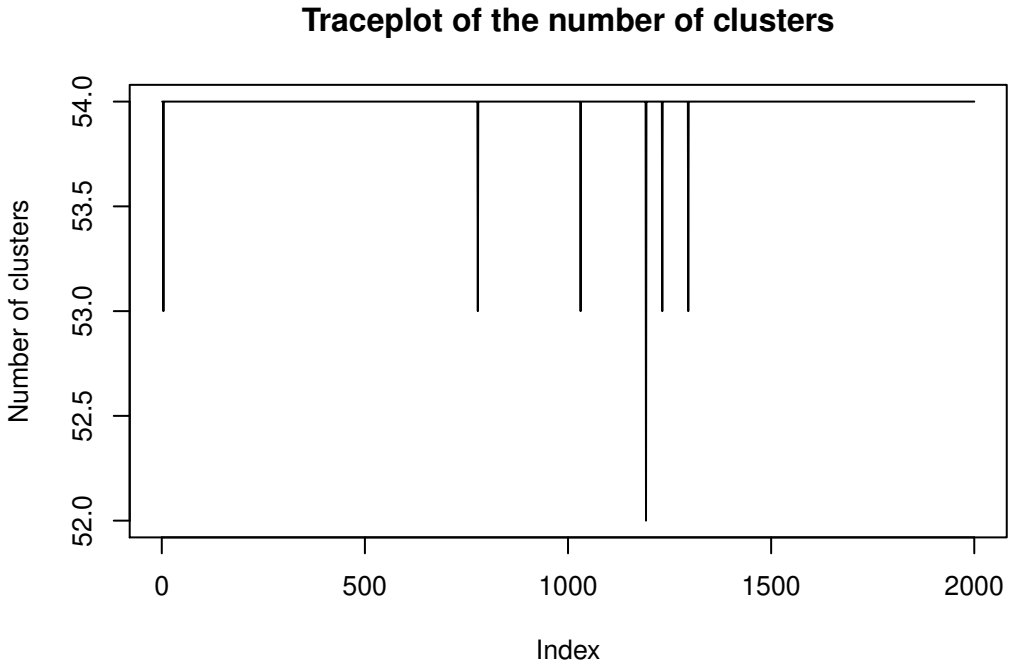

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

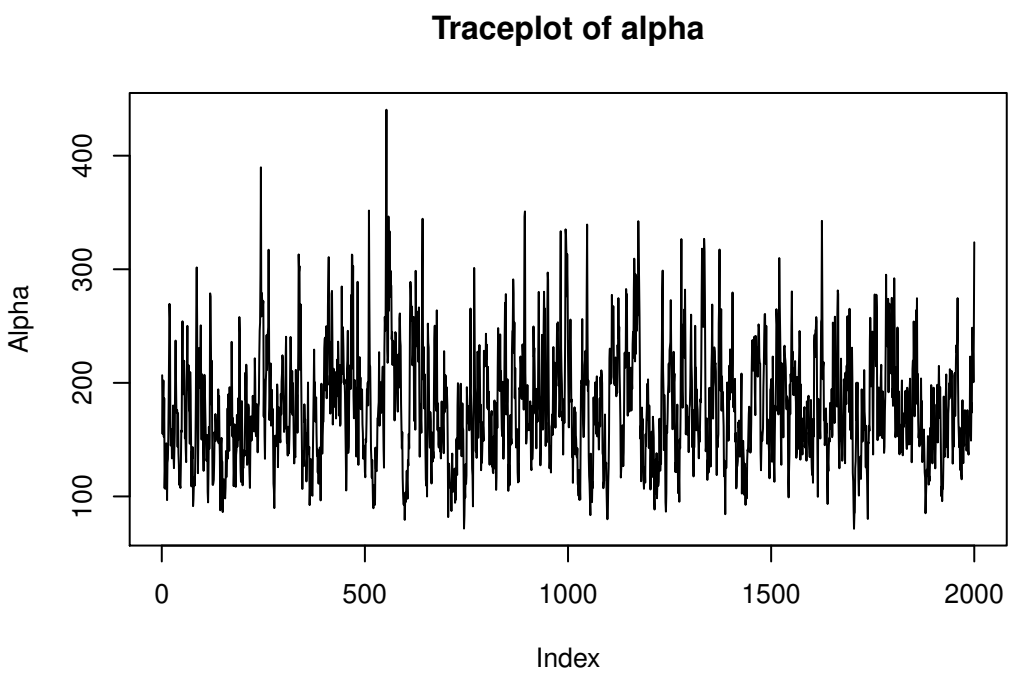

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

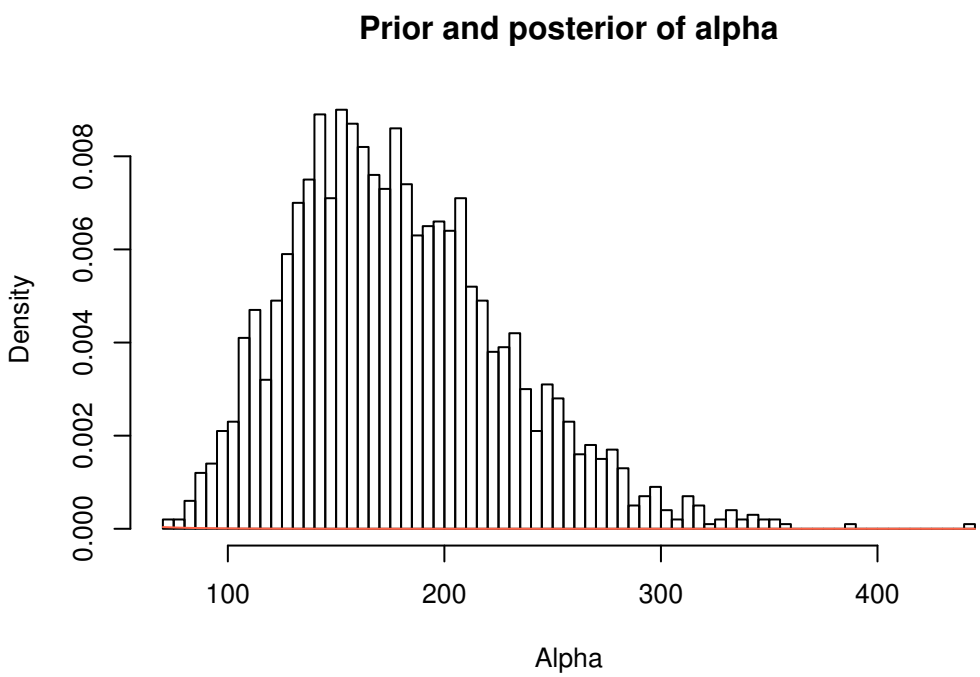

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

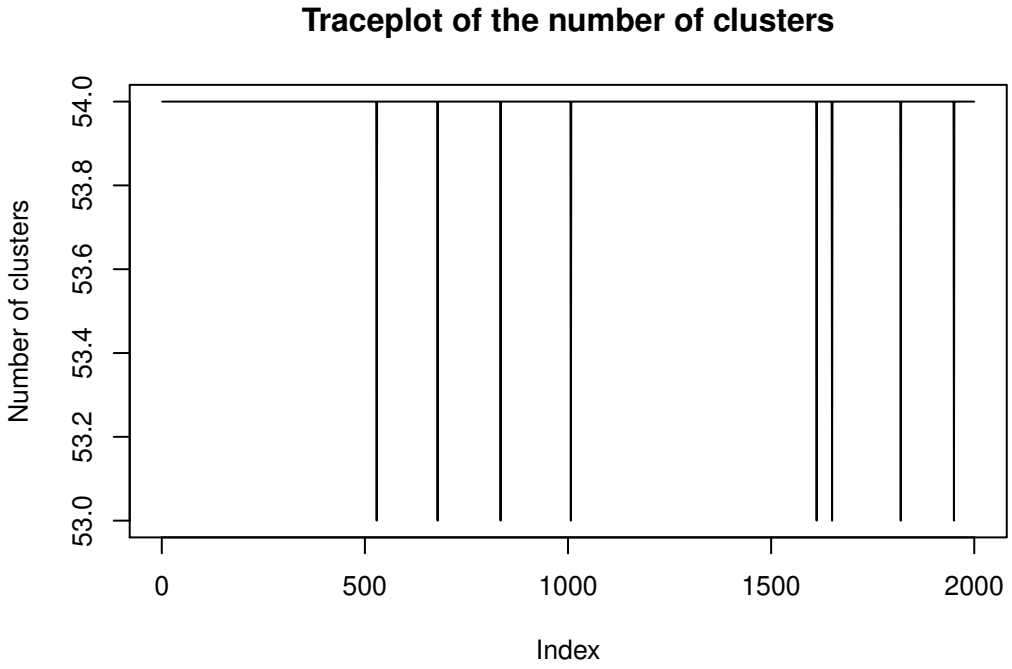

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

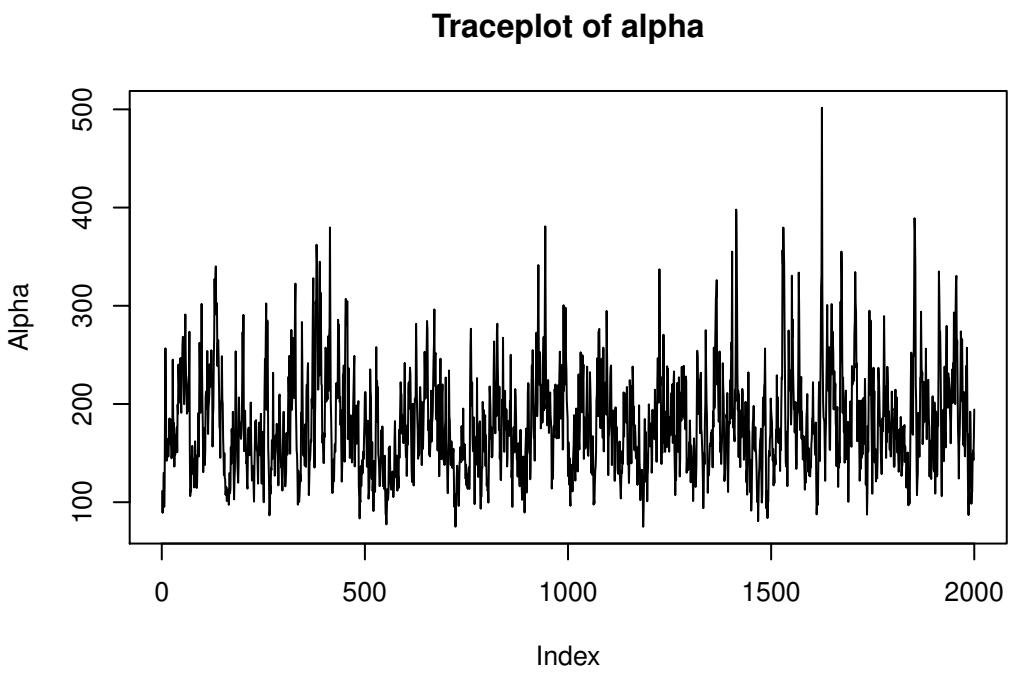

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Alpha

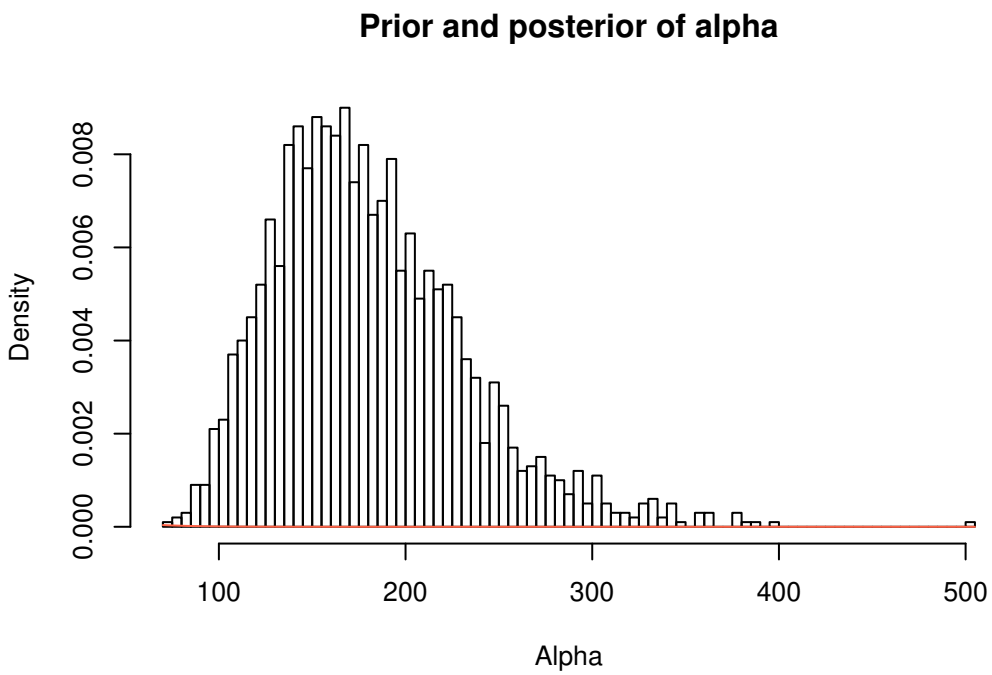

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

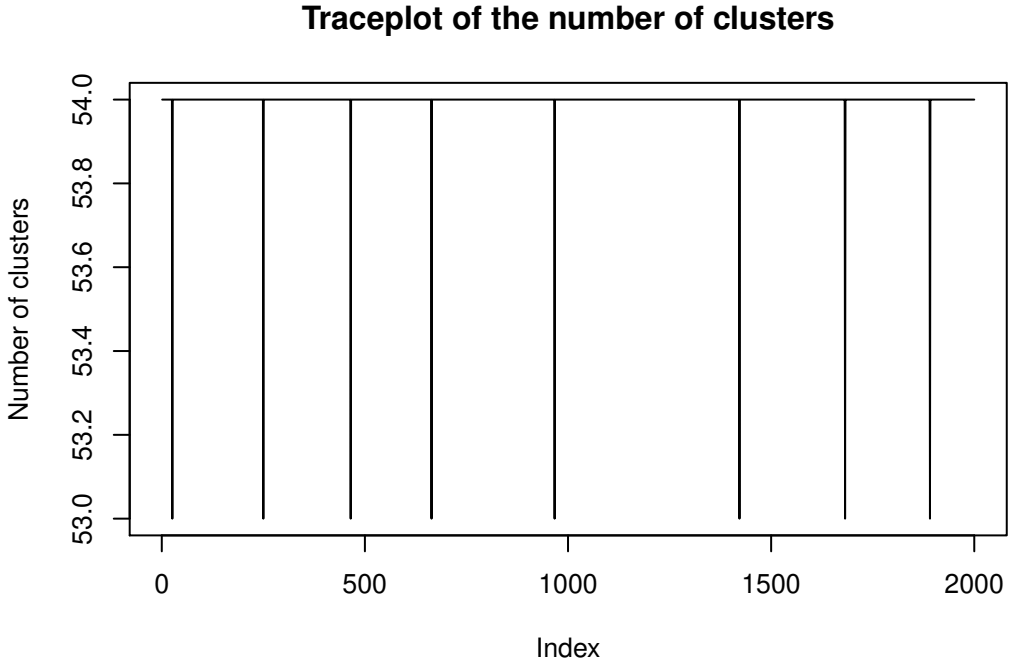

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

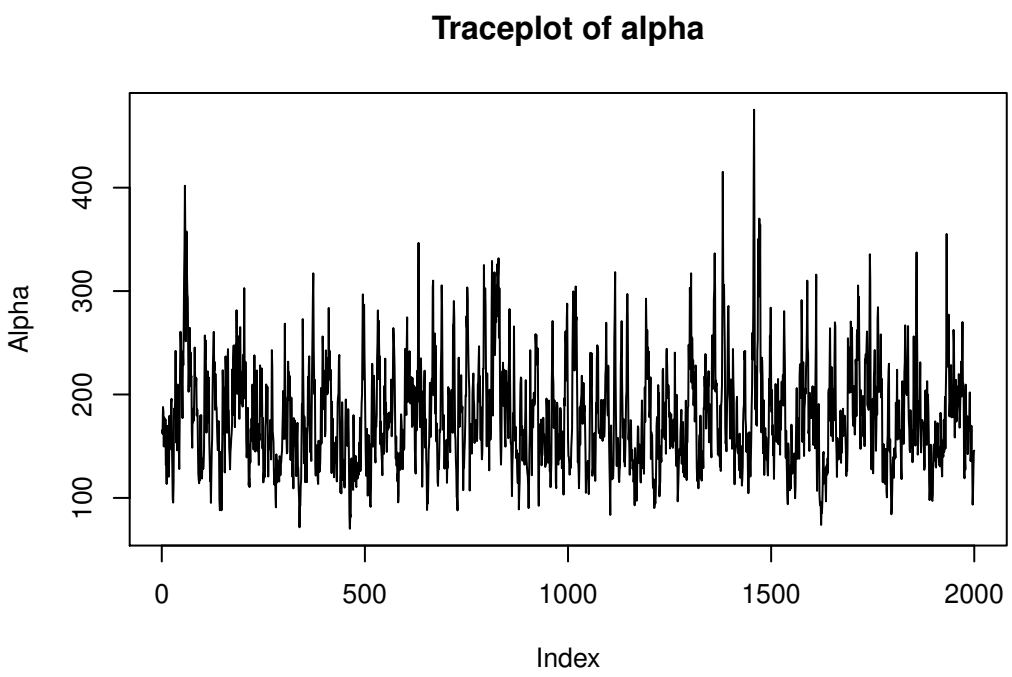

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

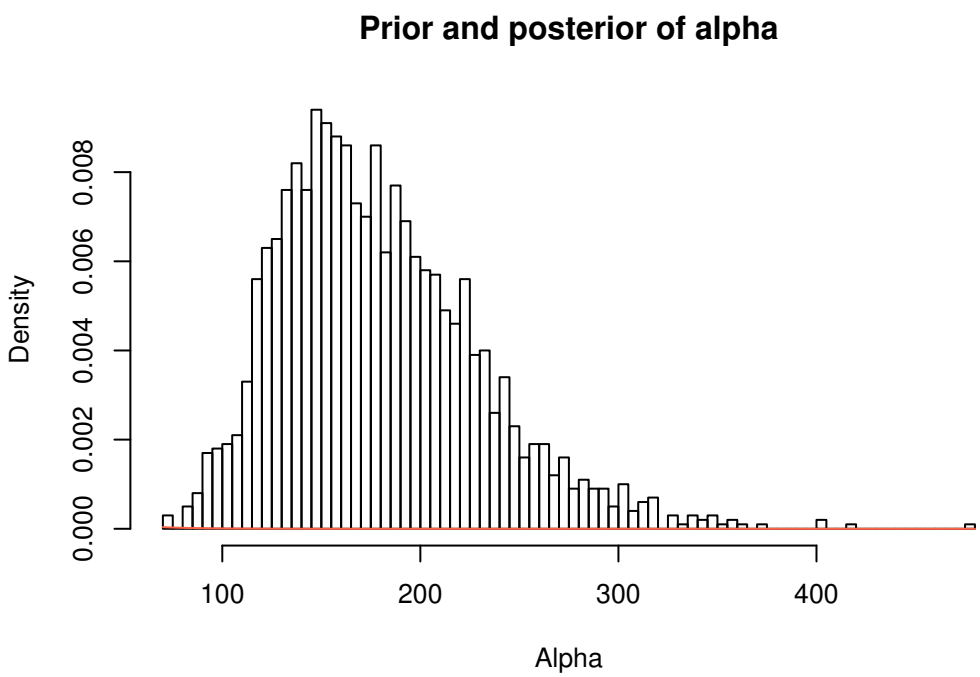

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

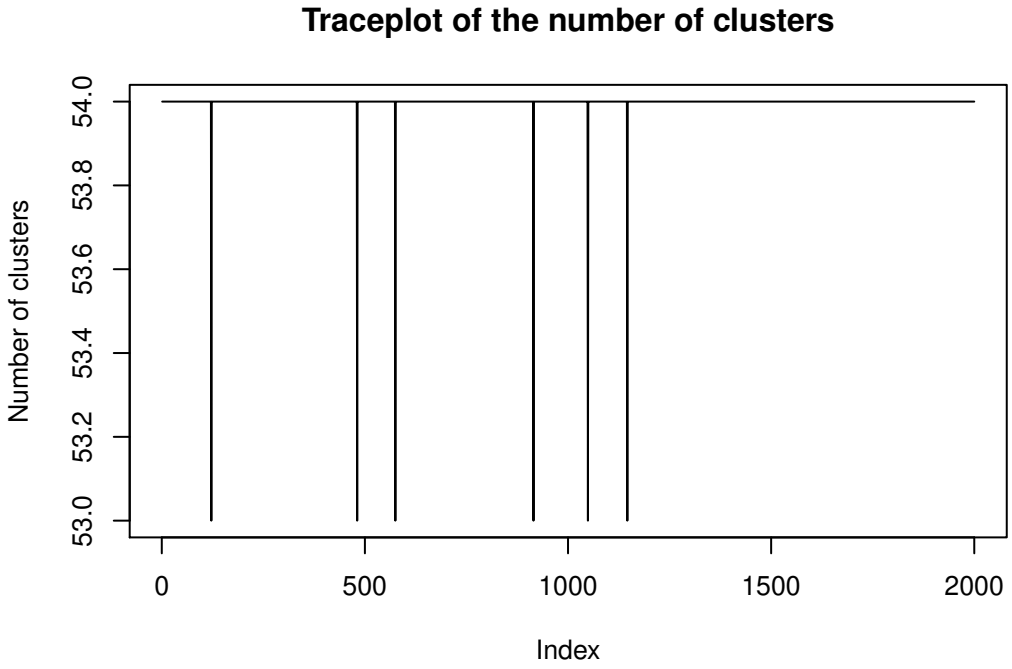

Traceplot of alpha
Alpha
100
200
300
400
500
0
500
1000
1500
2000
Index

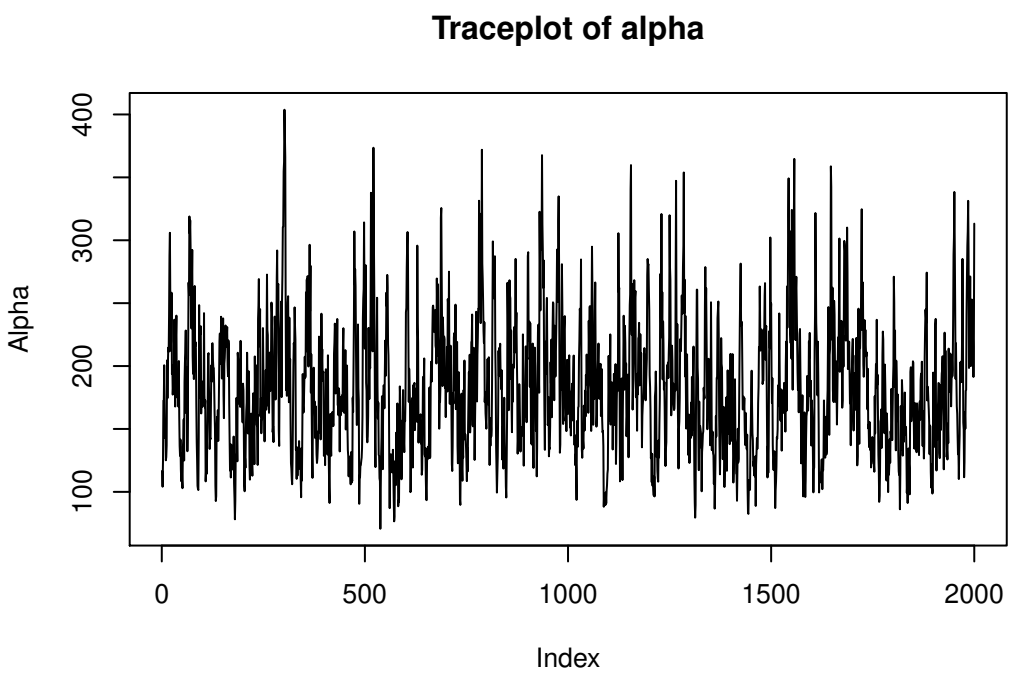

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
500
Alpha

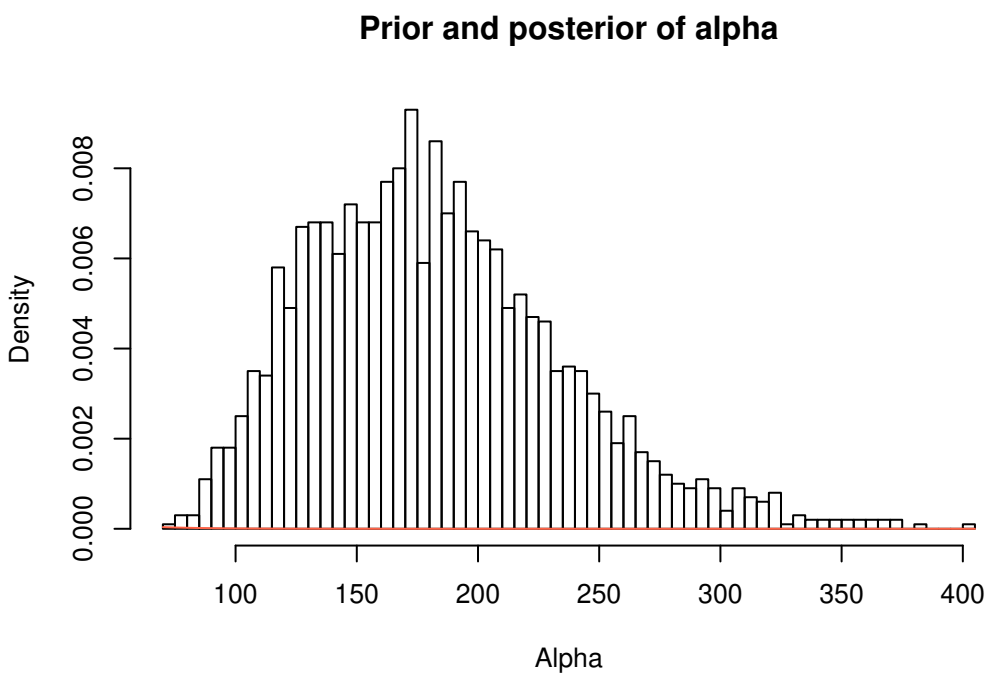

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

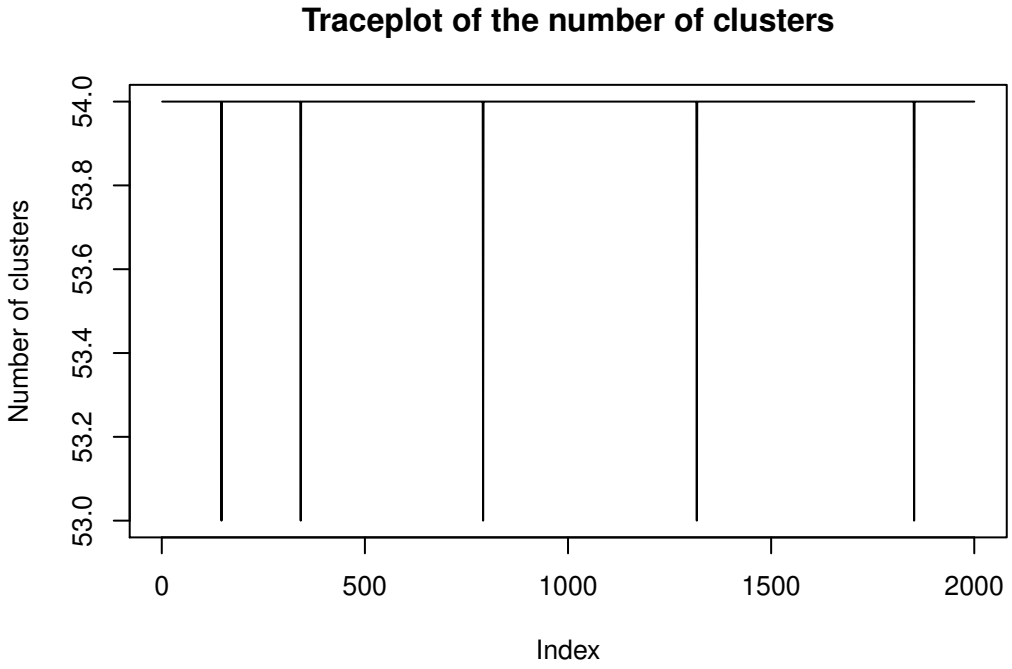

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

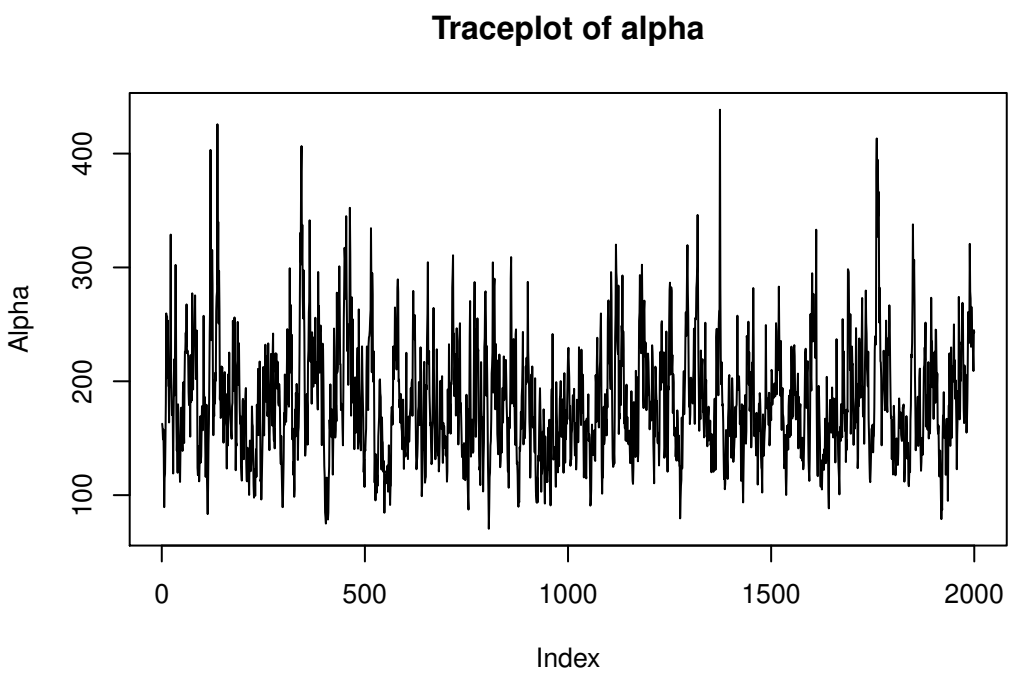

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

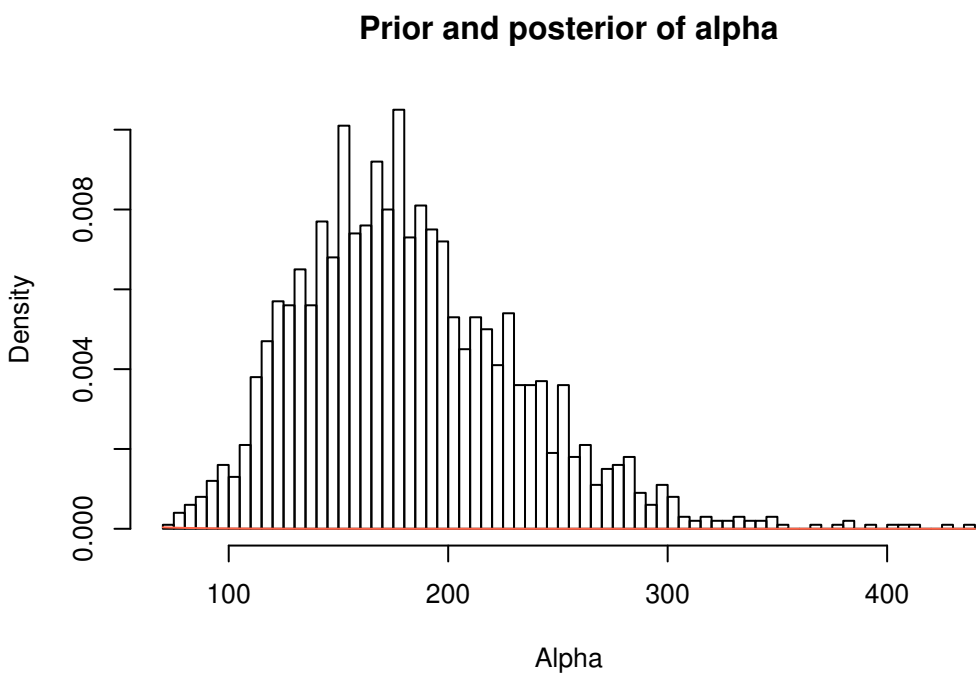

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

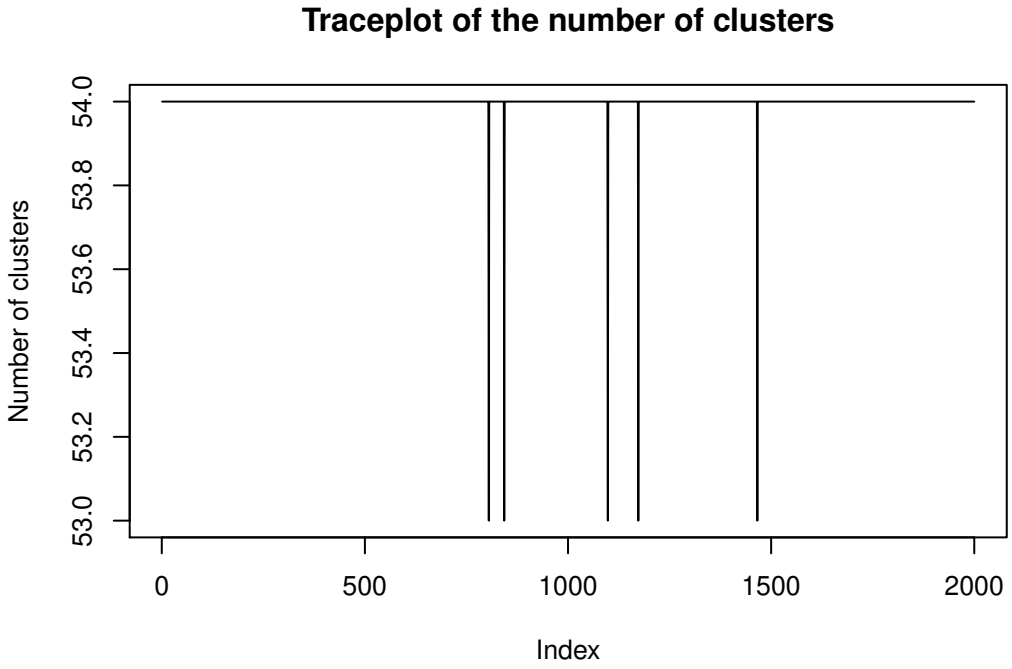

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

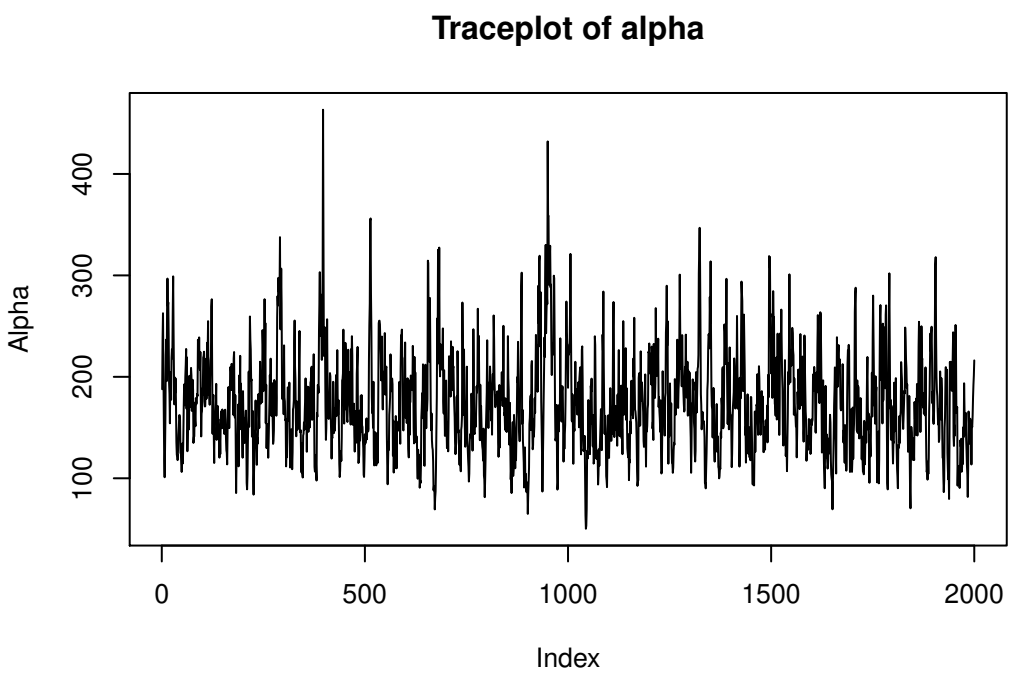

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Alpha

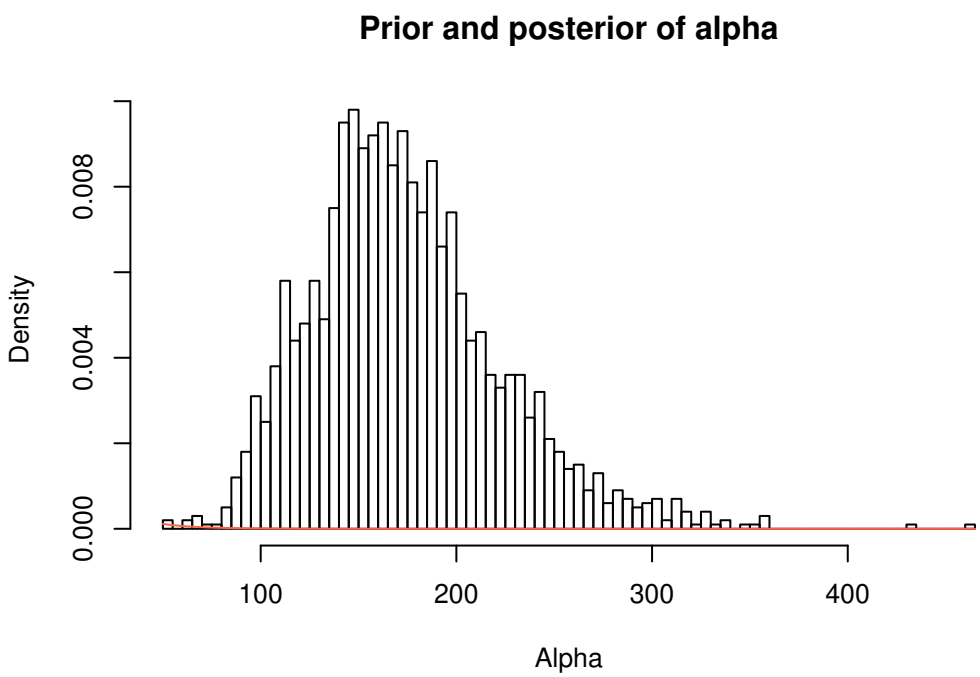

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

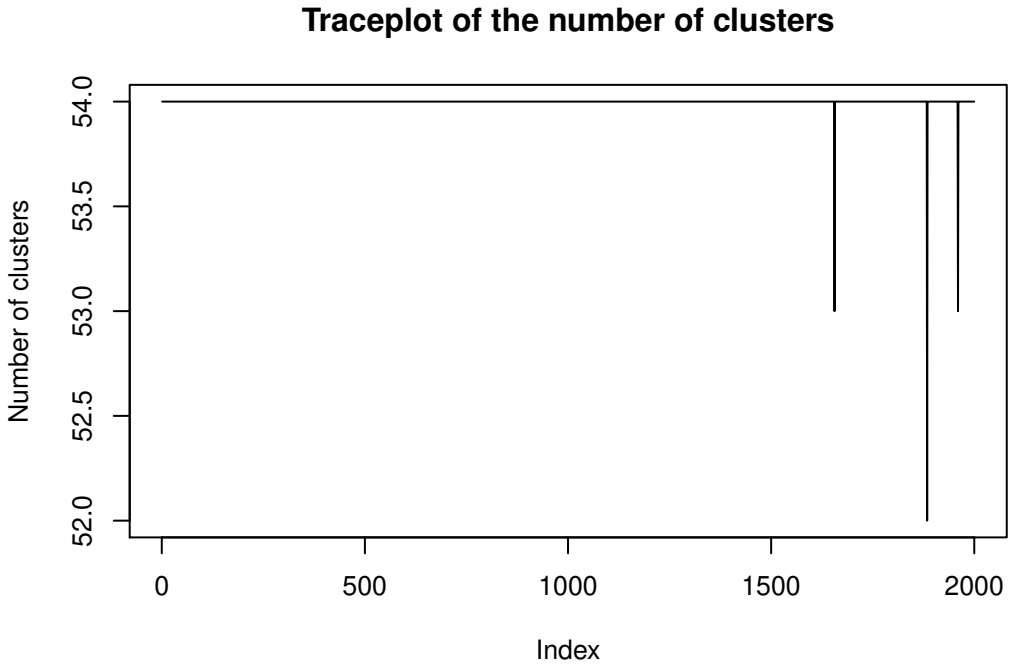

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

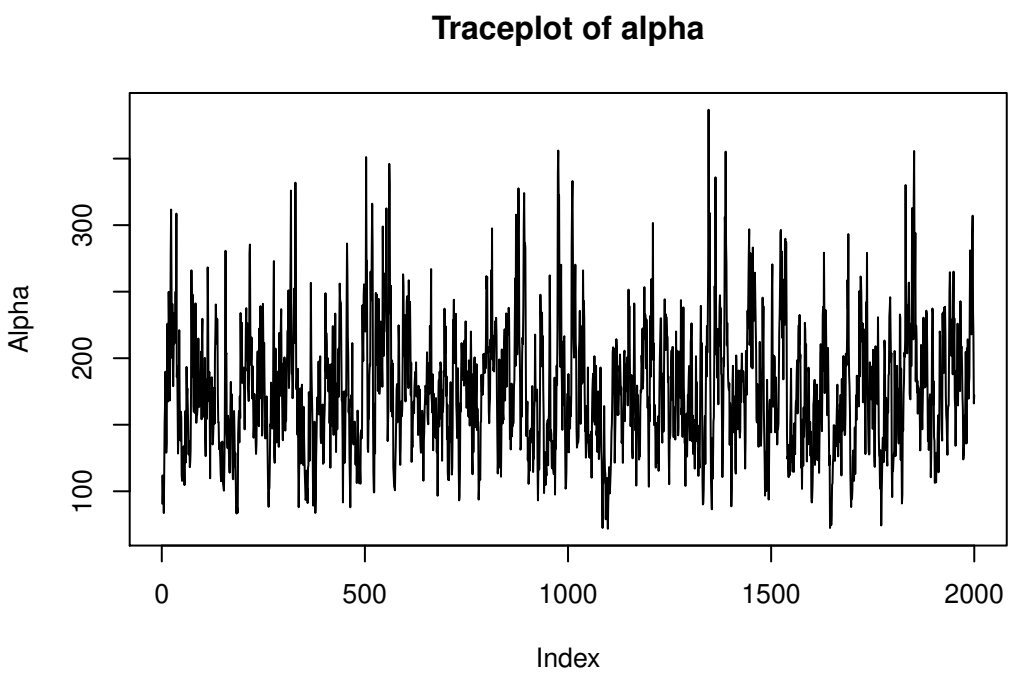

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

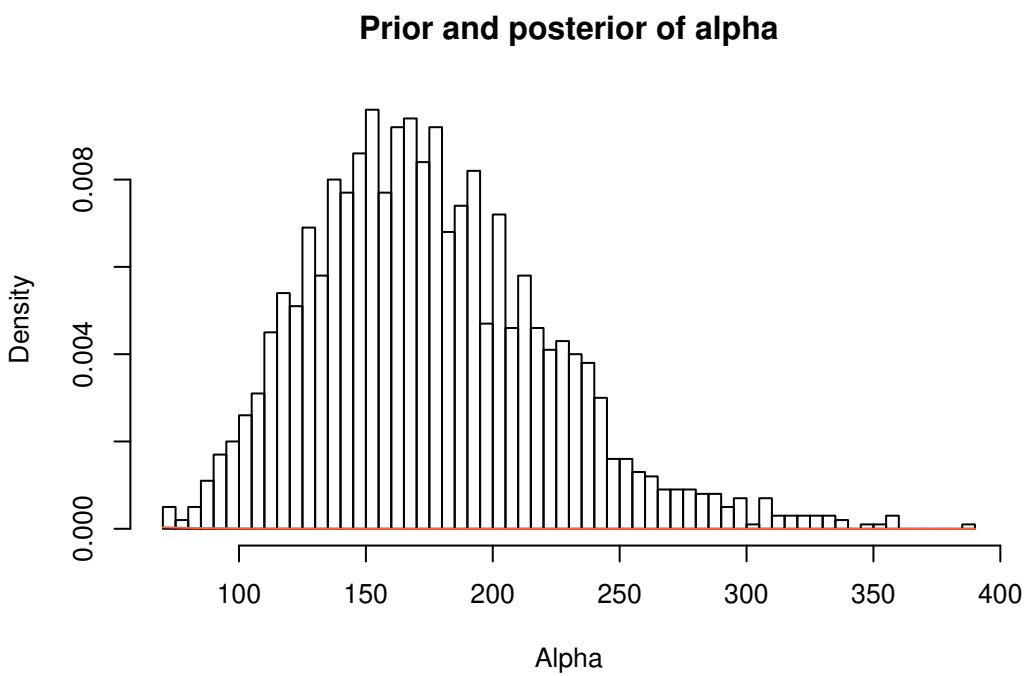

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

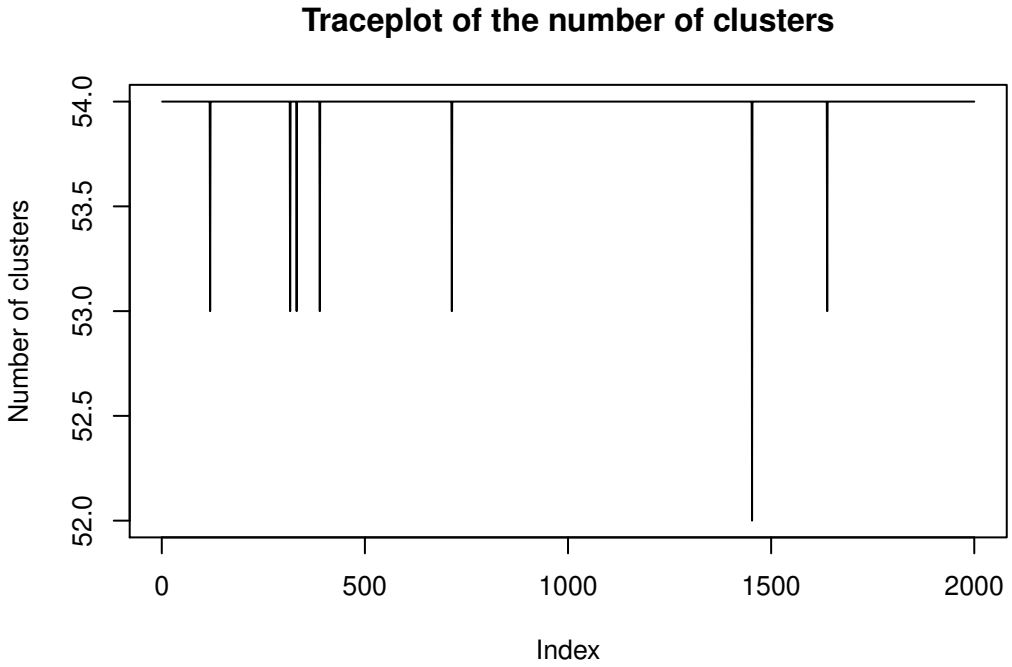

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

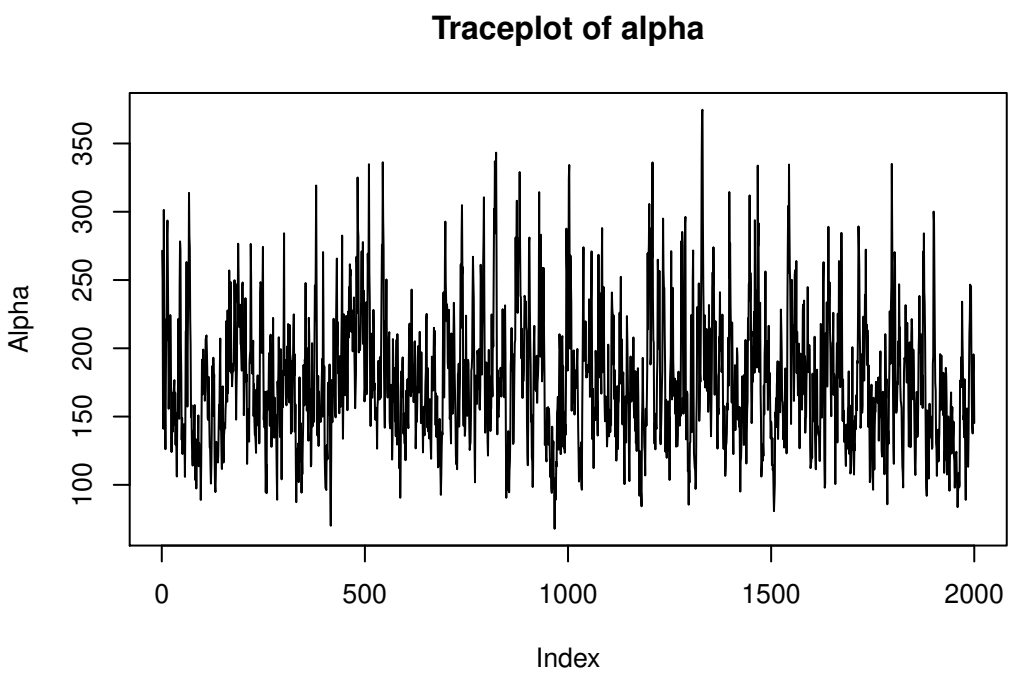

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

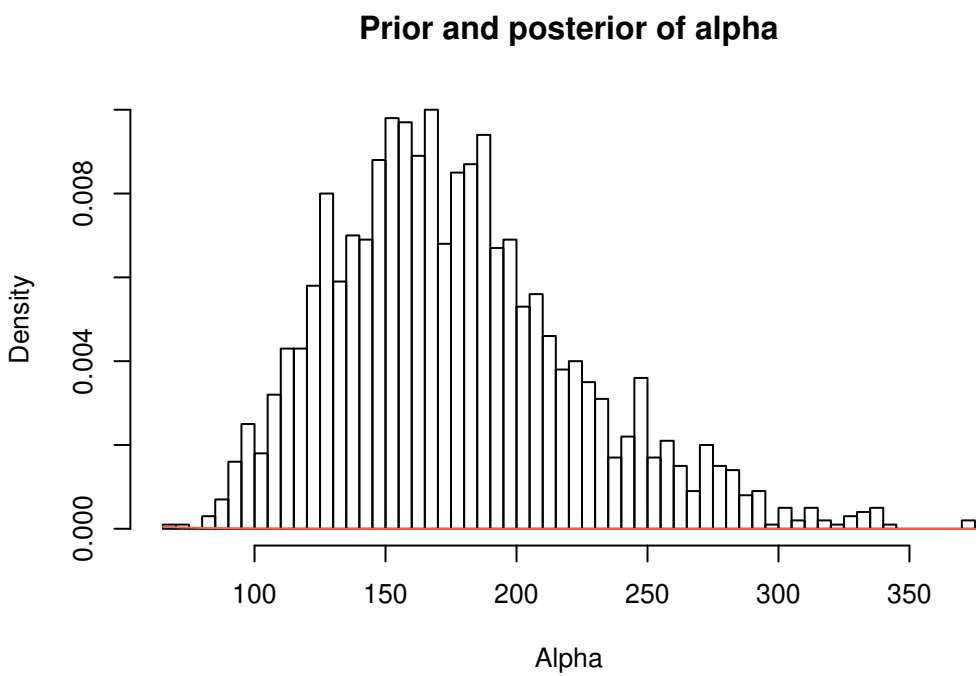

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

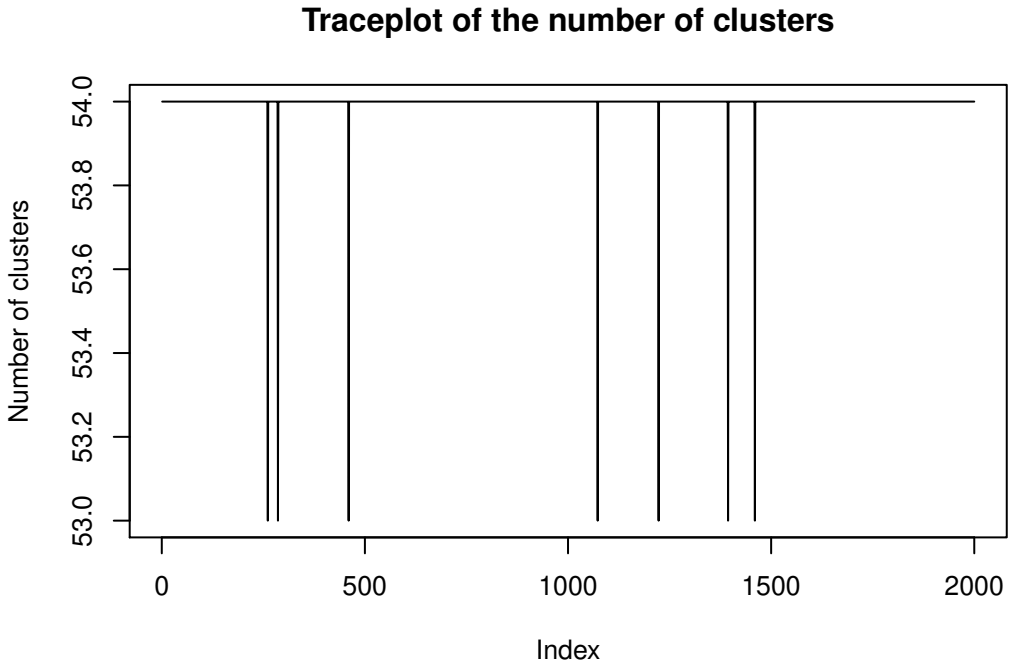

Traceplot of alpha
Alpha
100
200
300
0
500
1000
1500
2000
Index

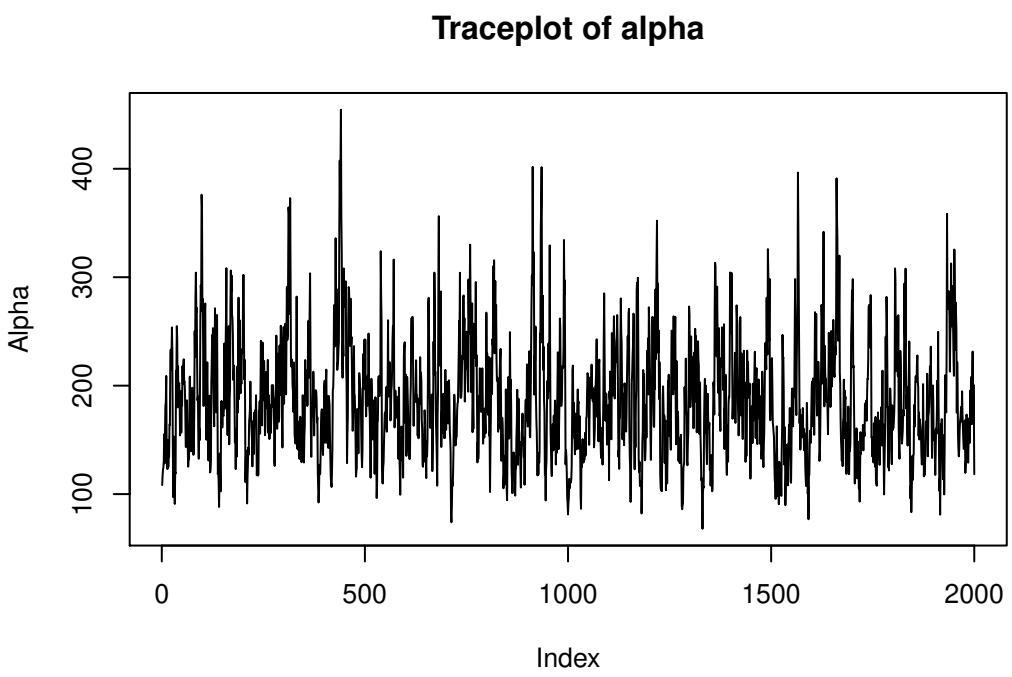

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

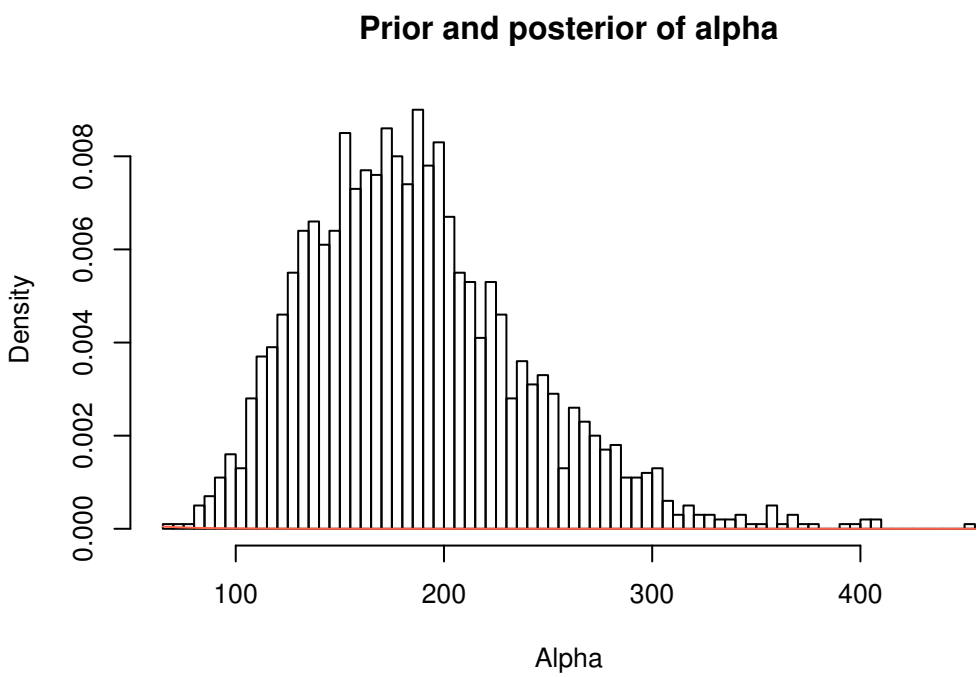

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

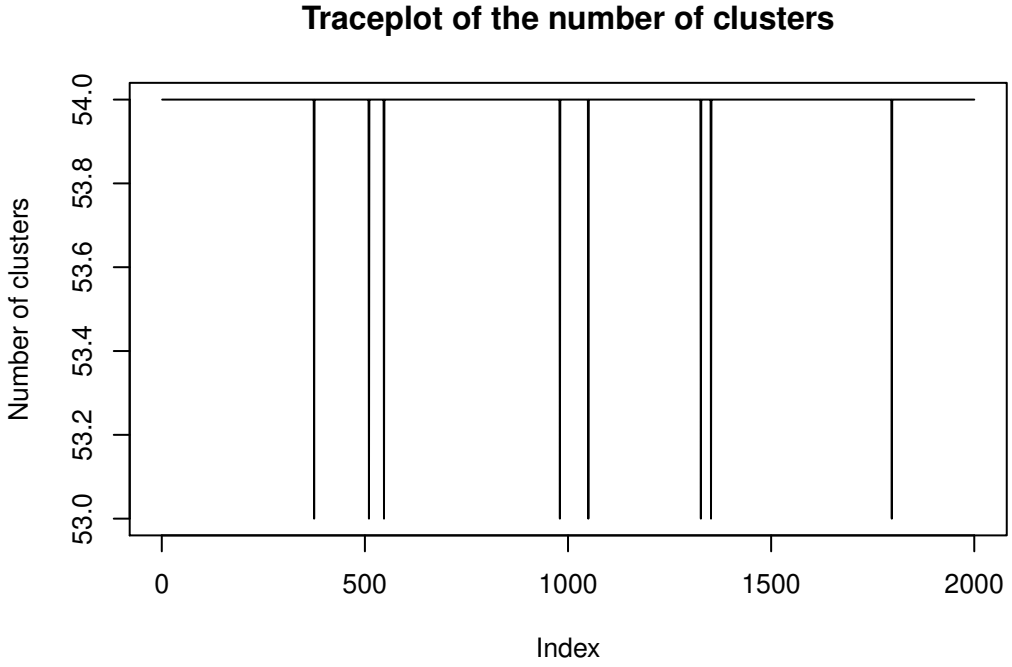

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

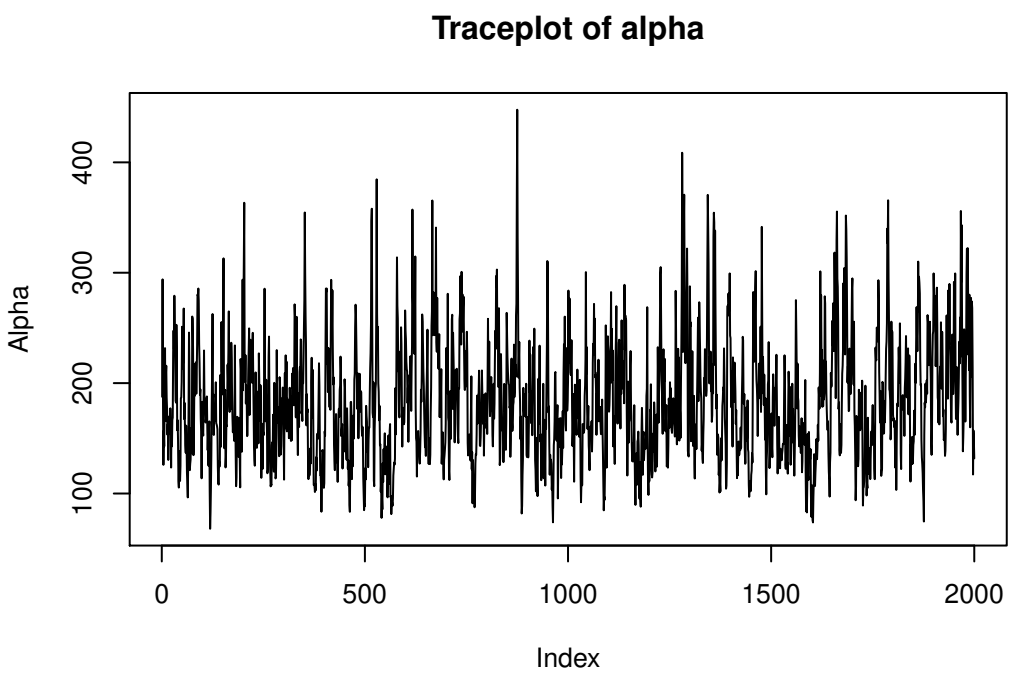

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
Alpha

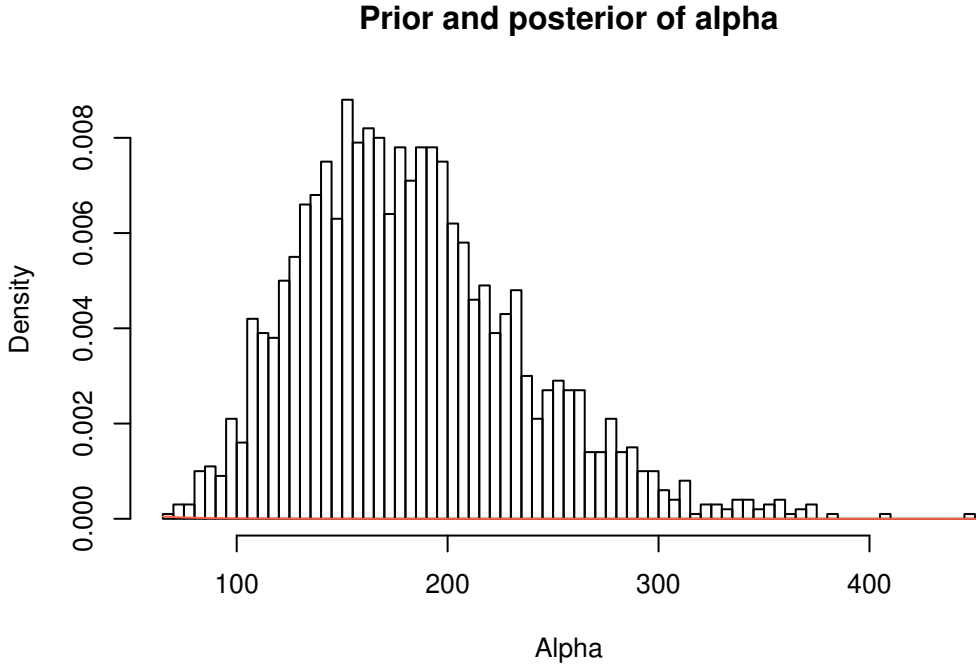

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

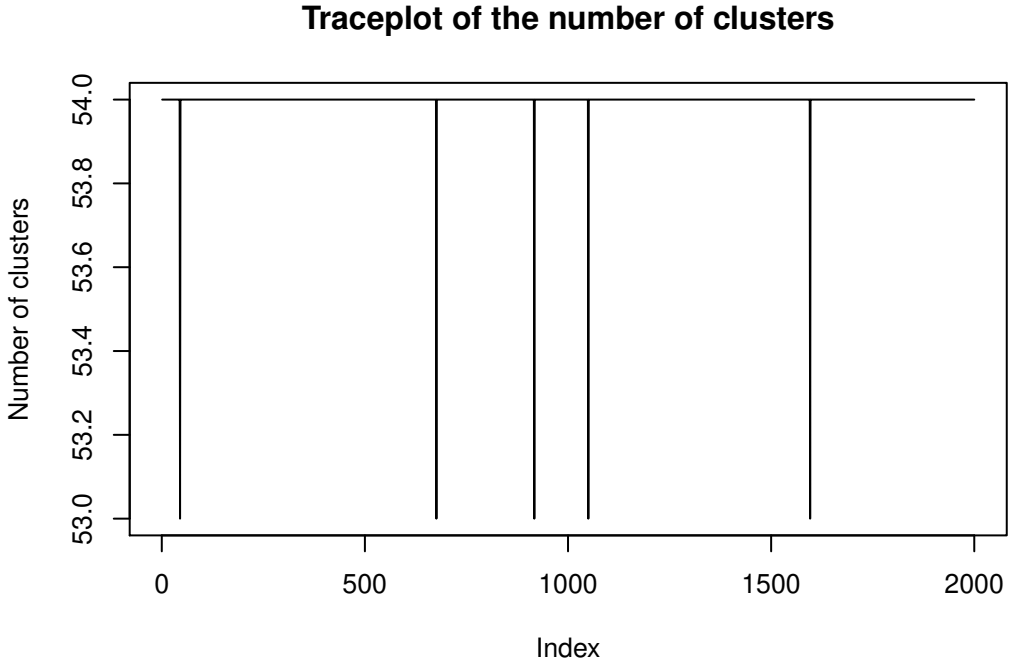

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

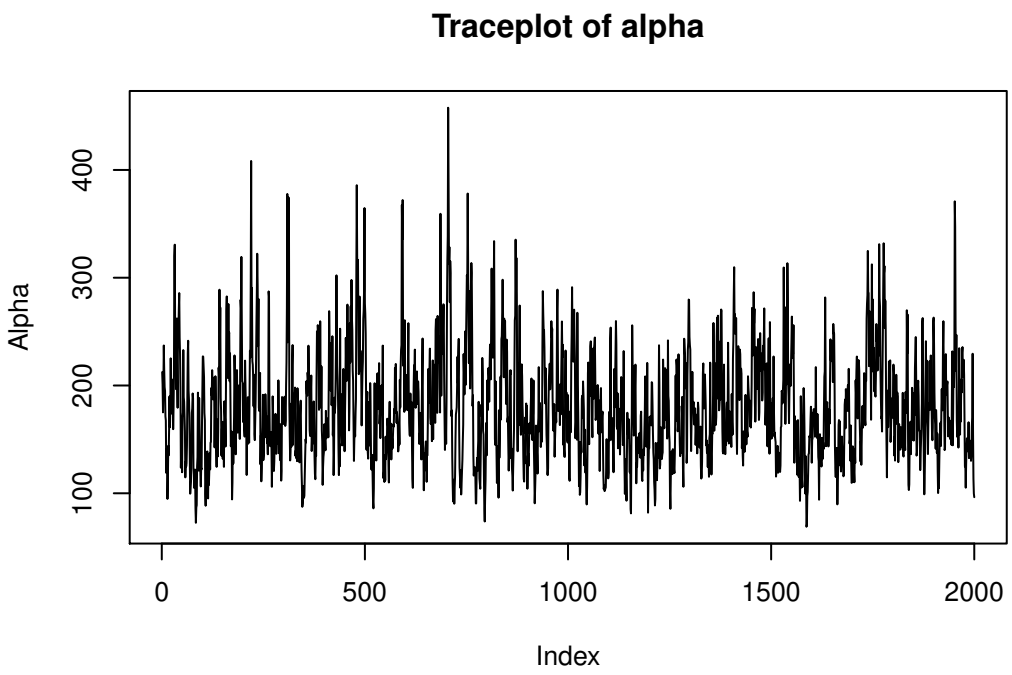

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

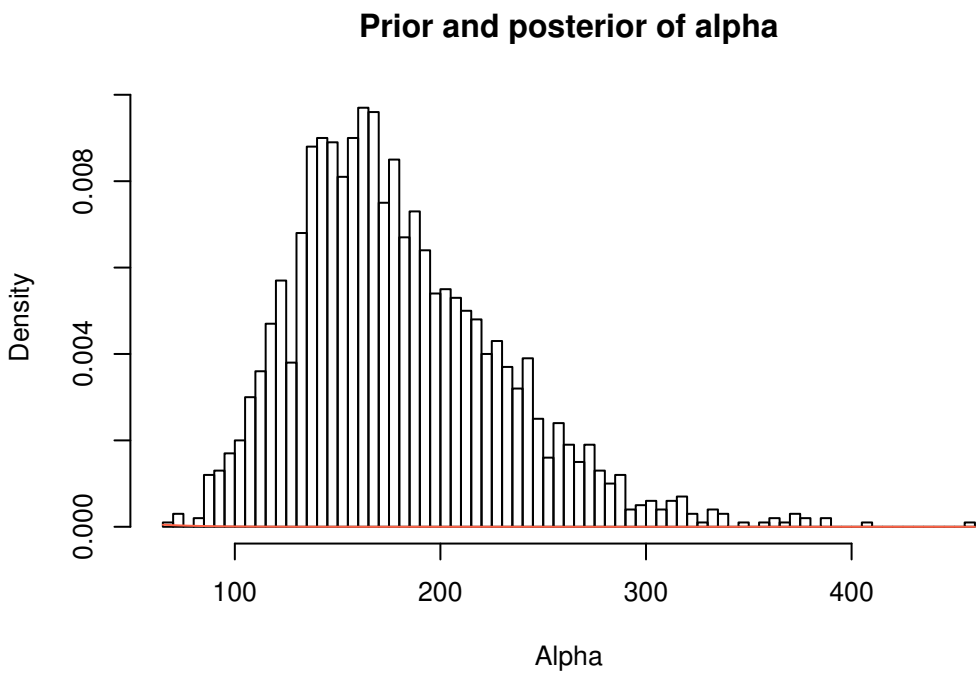

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

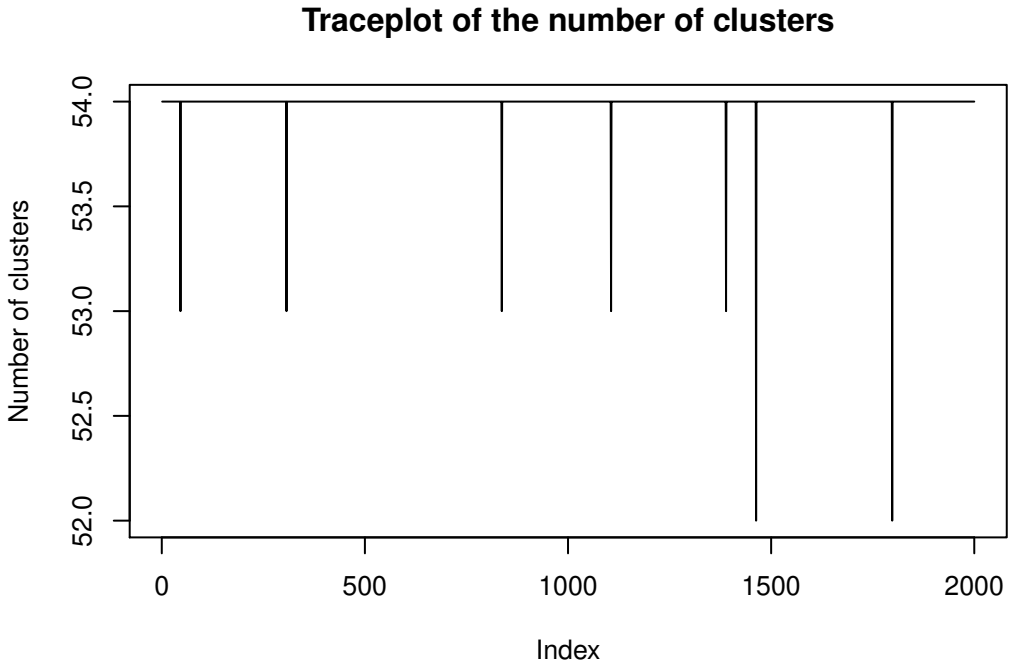

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

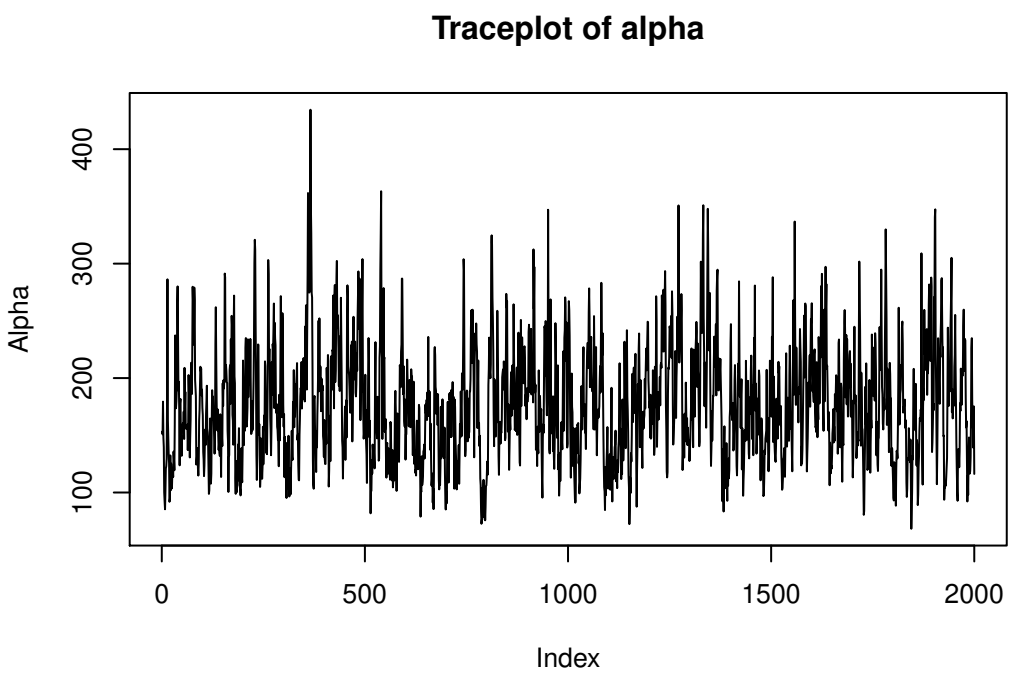

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

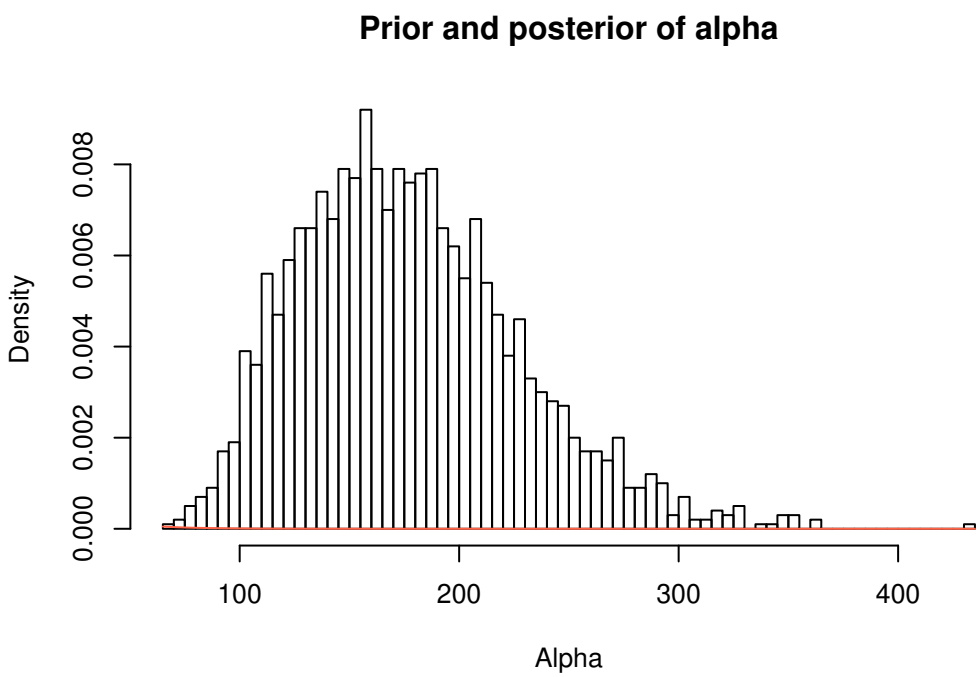

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

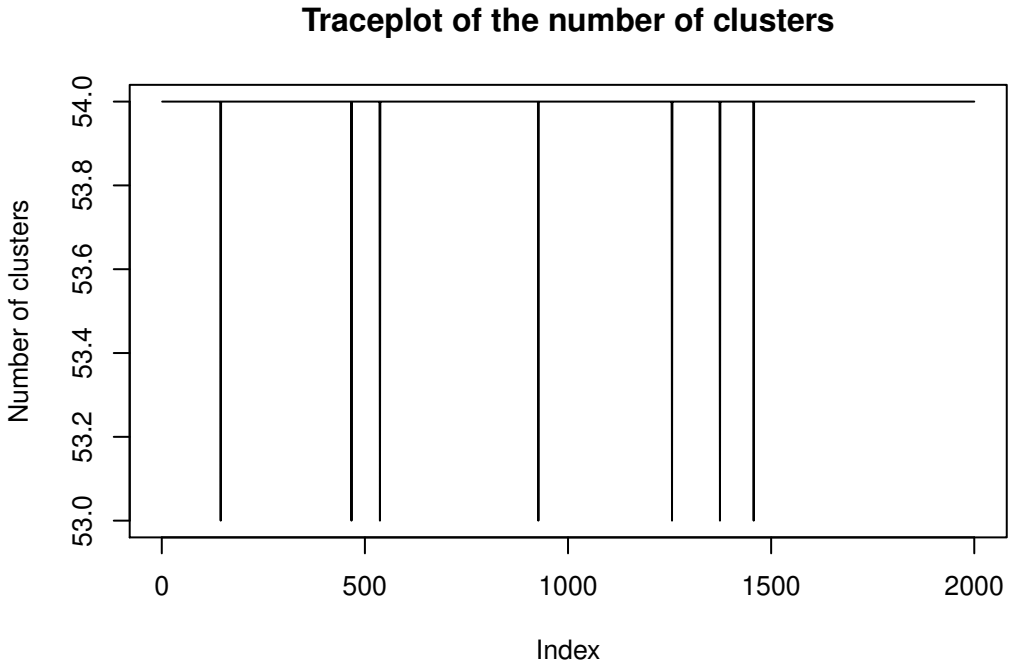

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

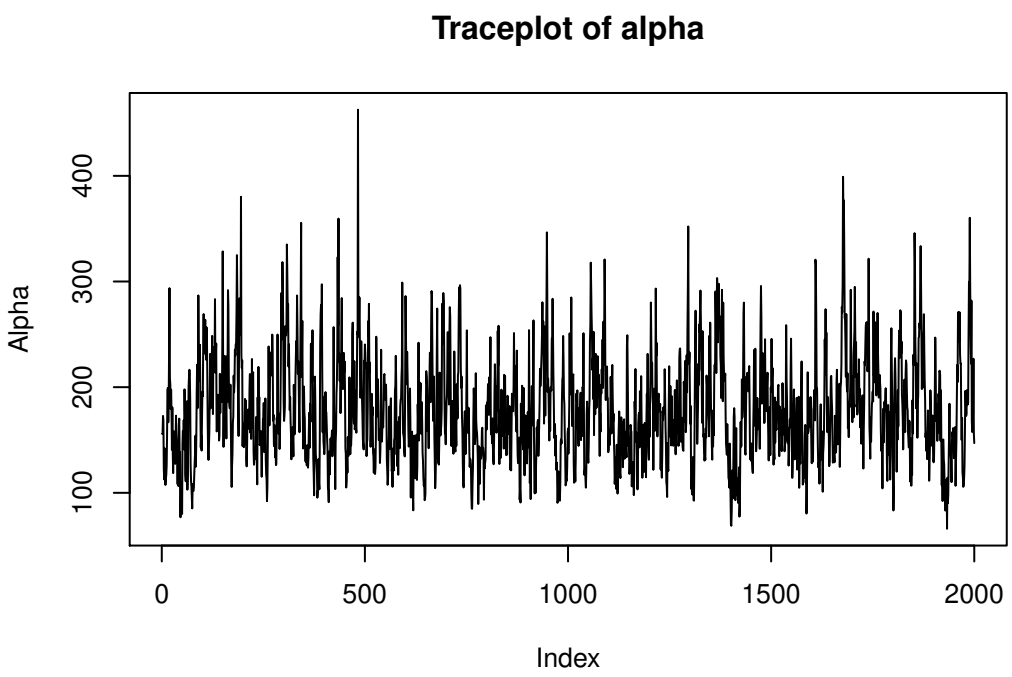

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

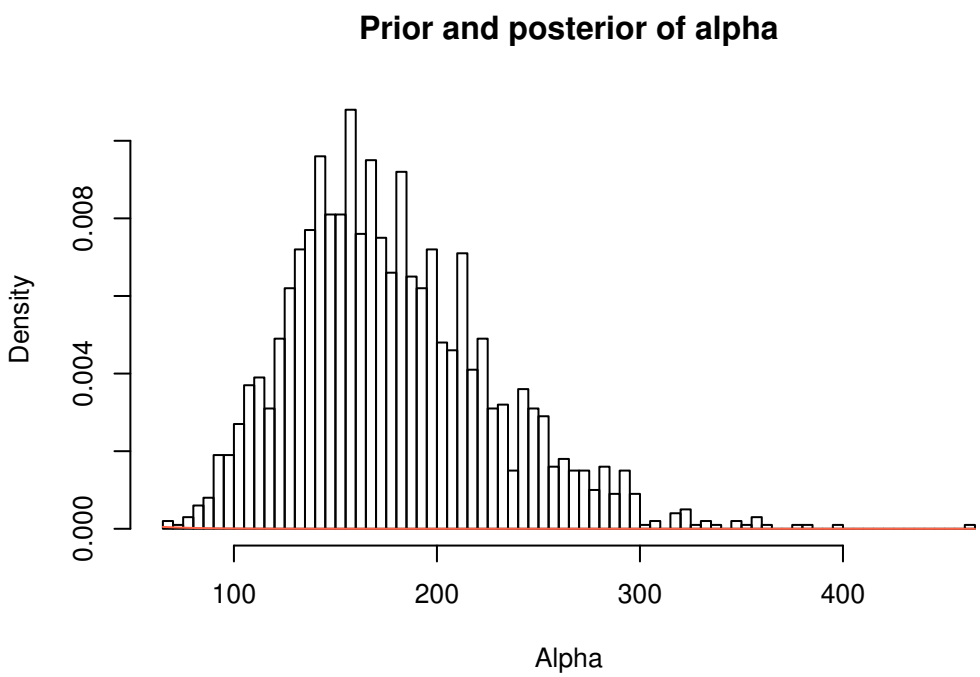

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

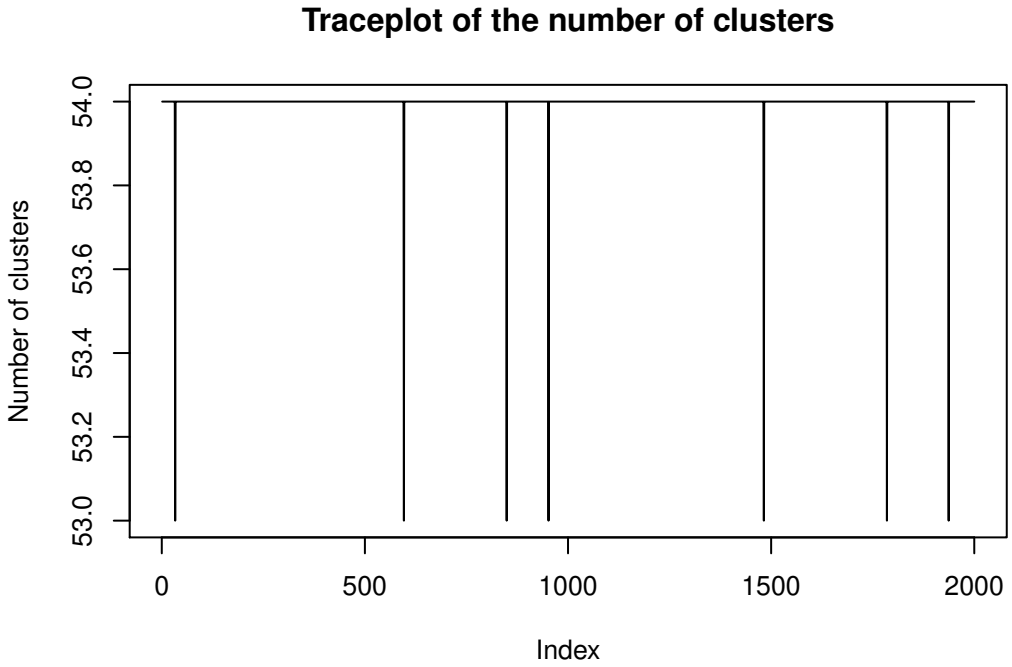

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

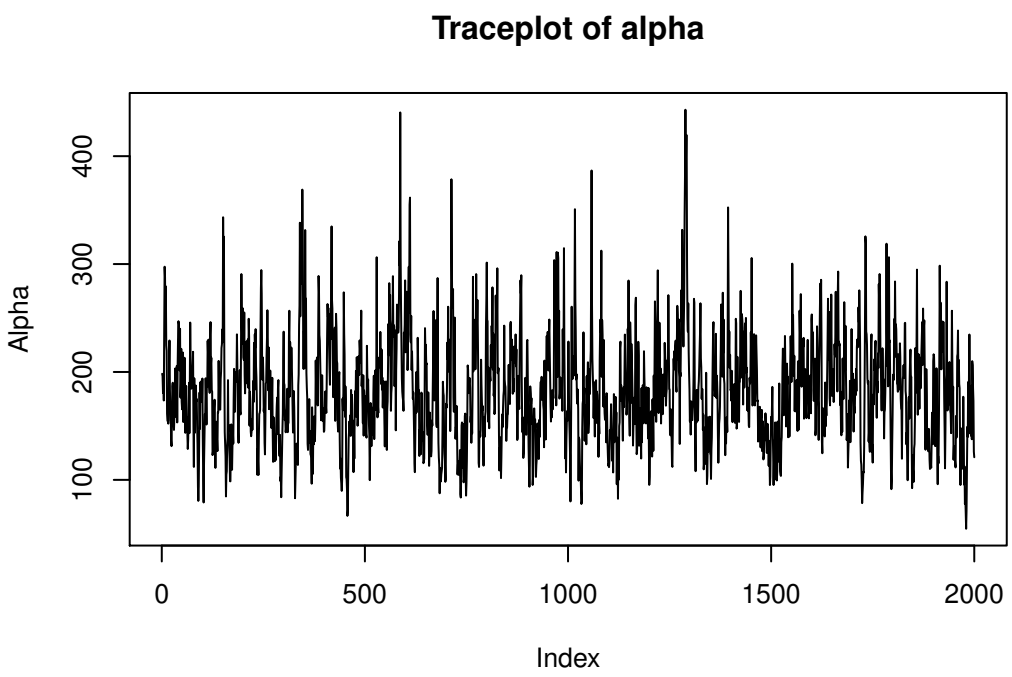

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

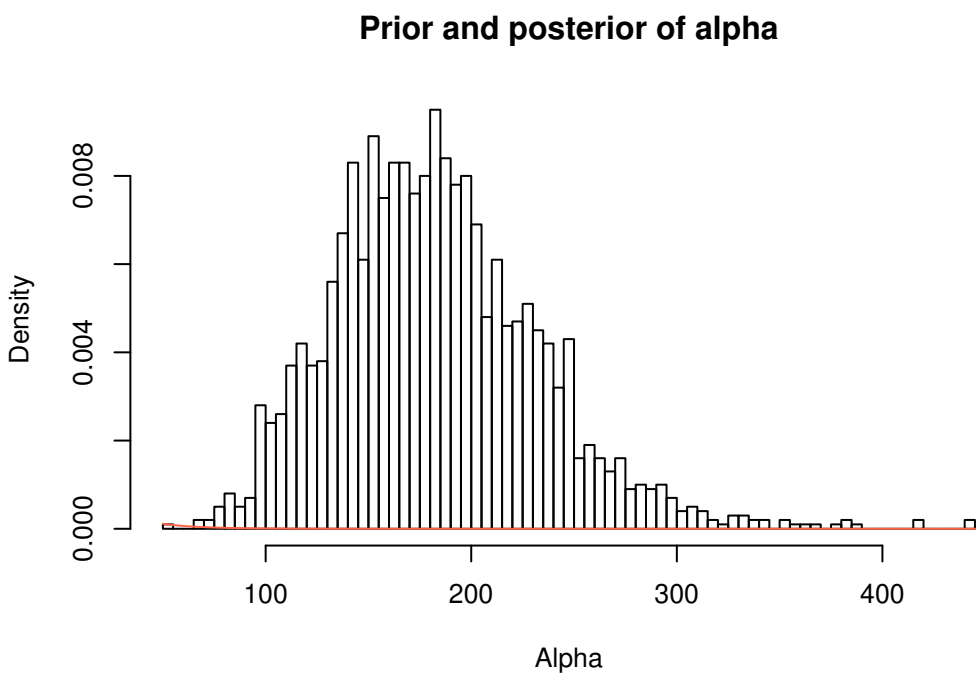

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

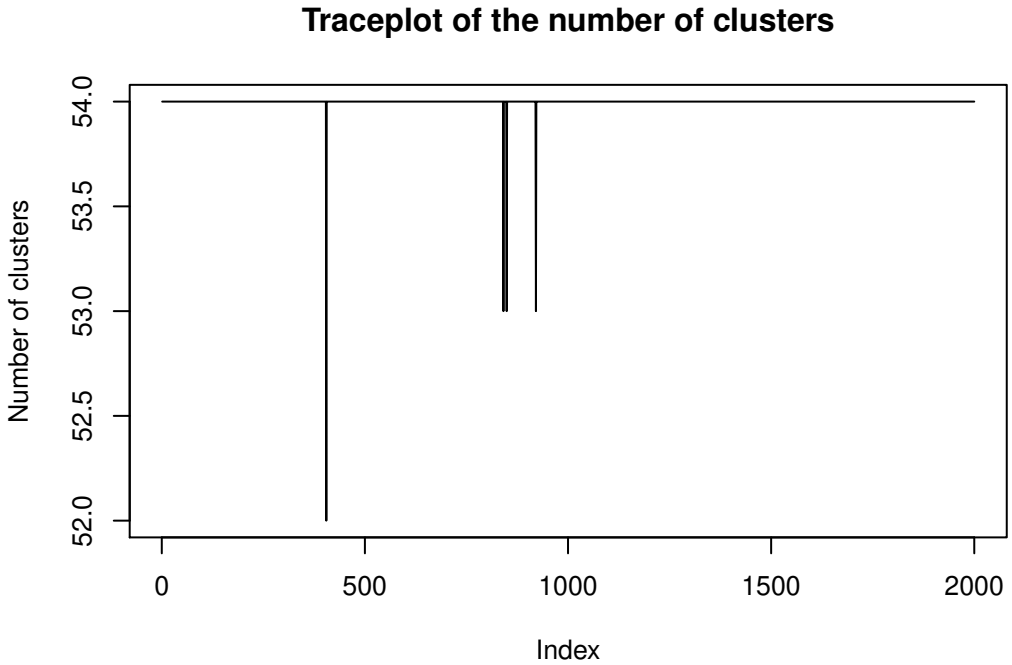

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

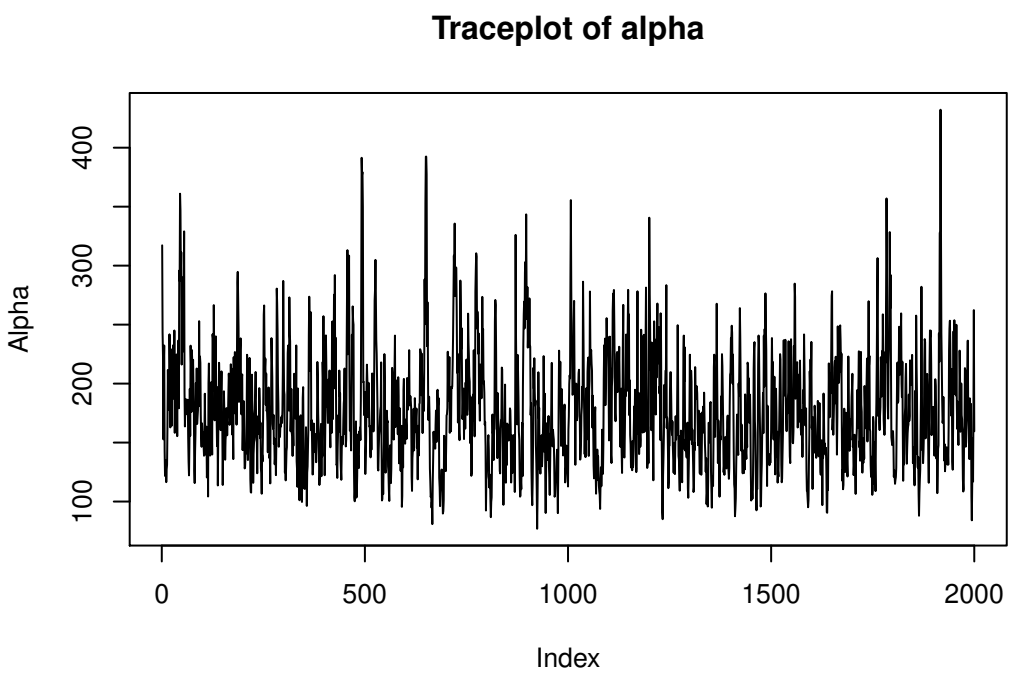

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

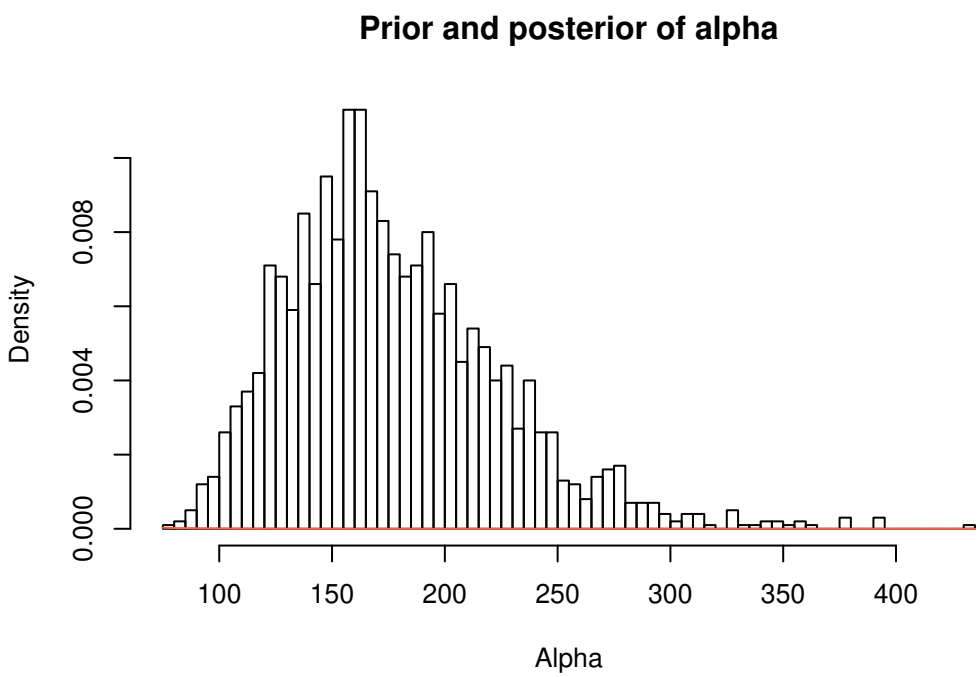

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

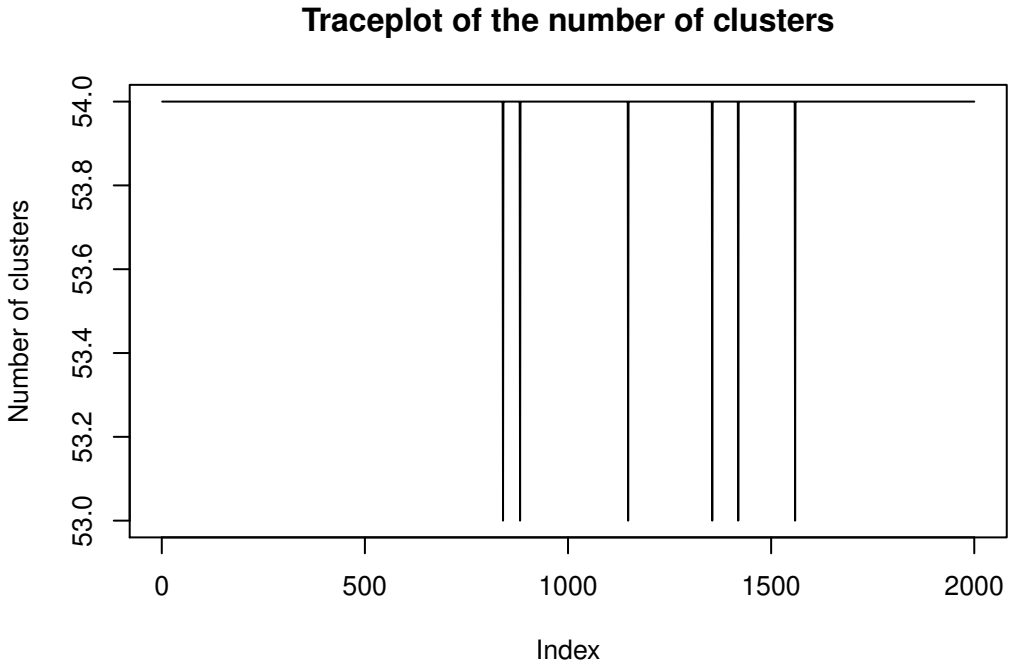

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

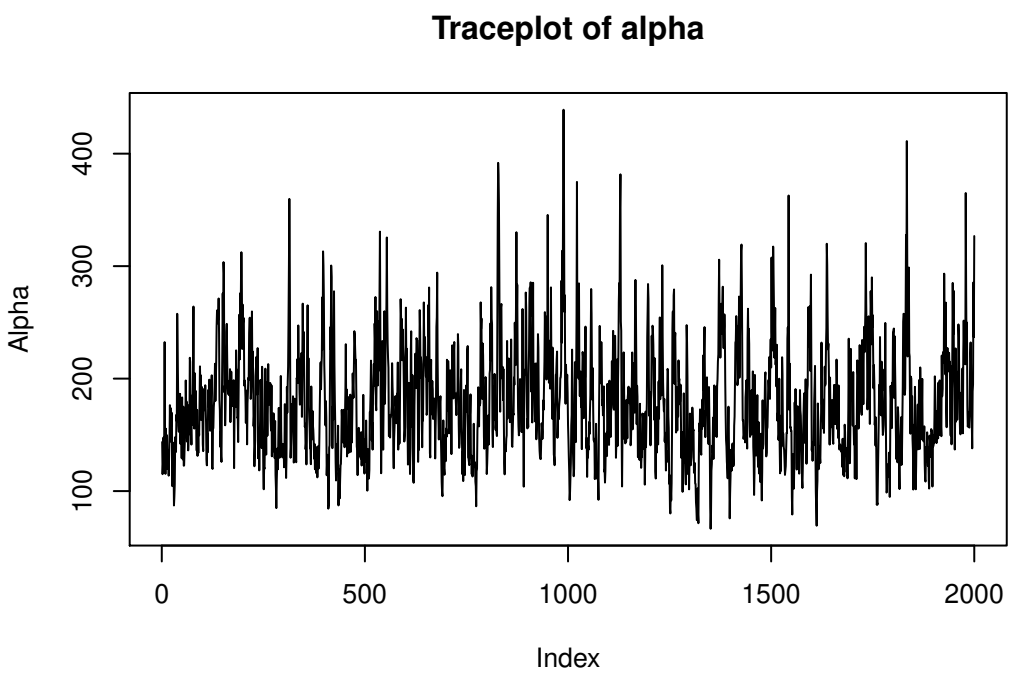

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

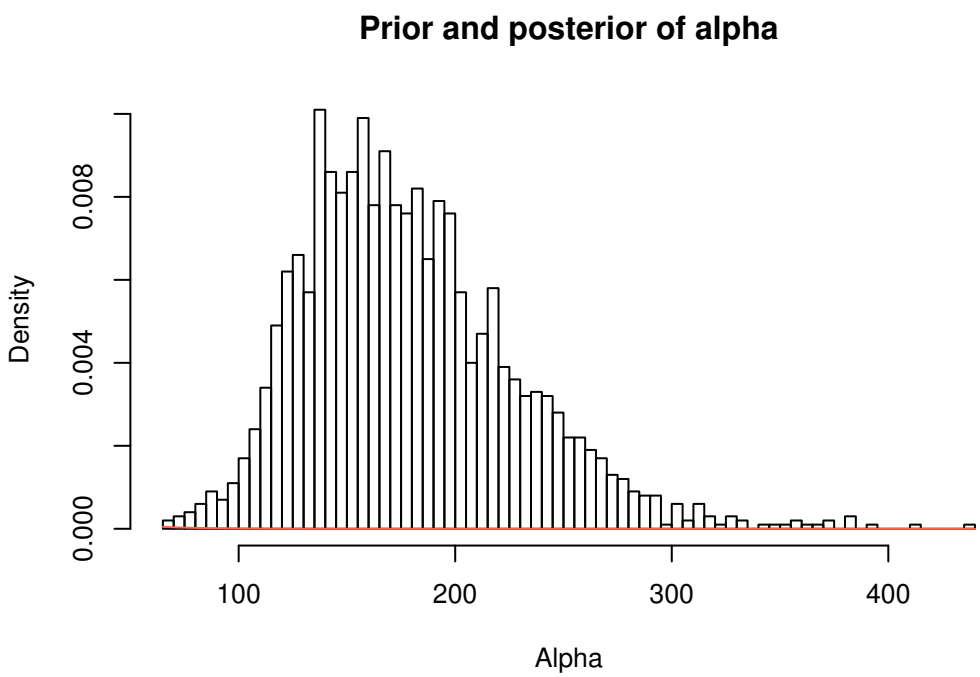

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

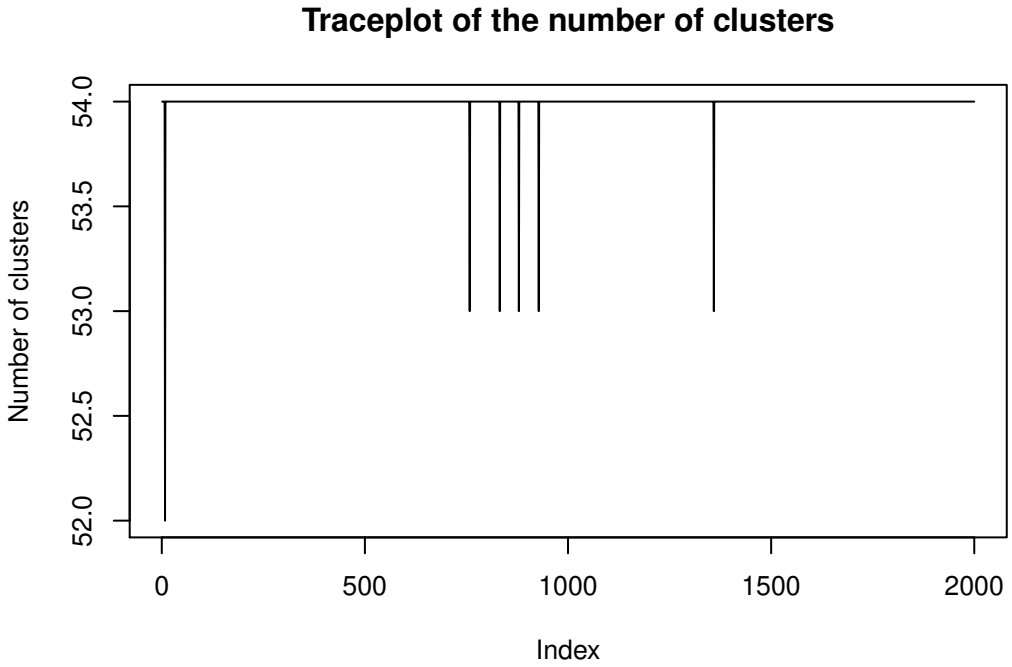

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

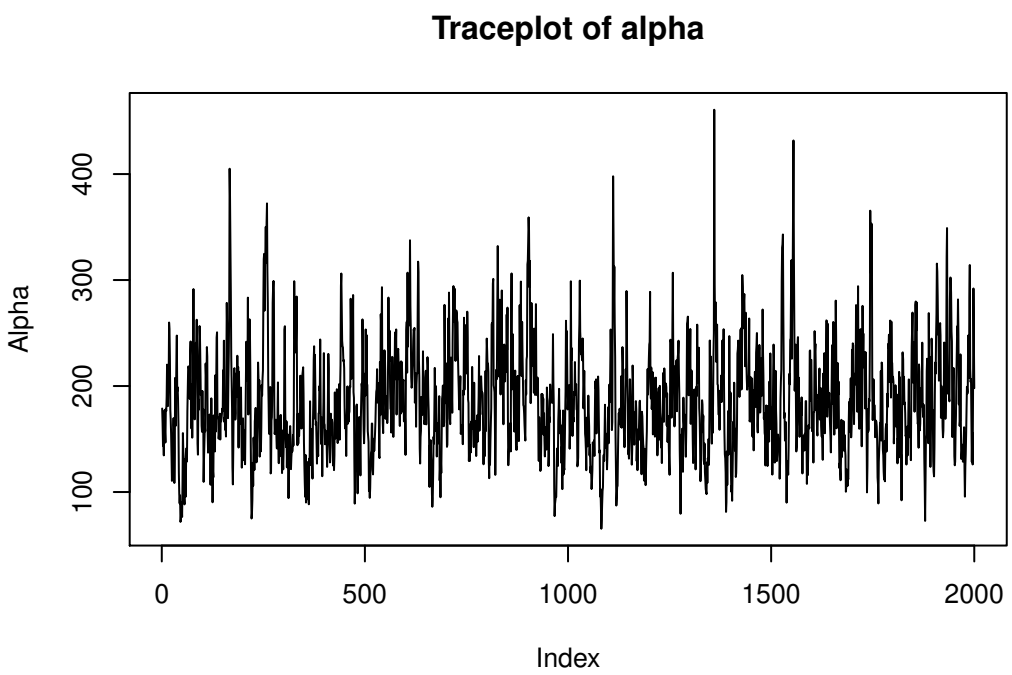

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

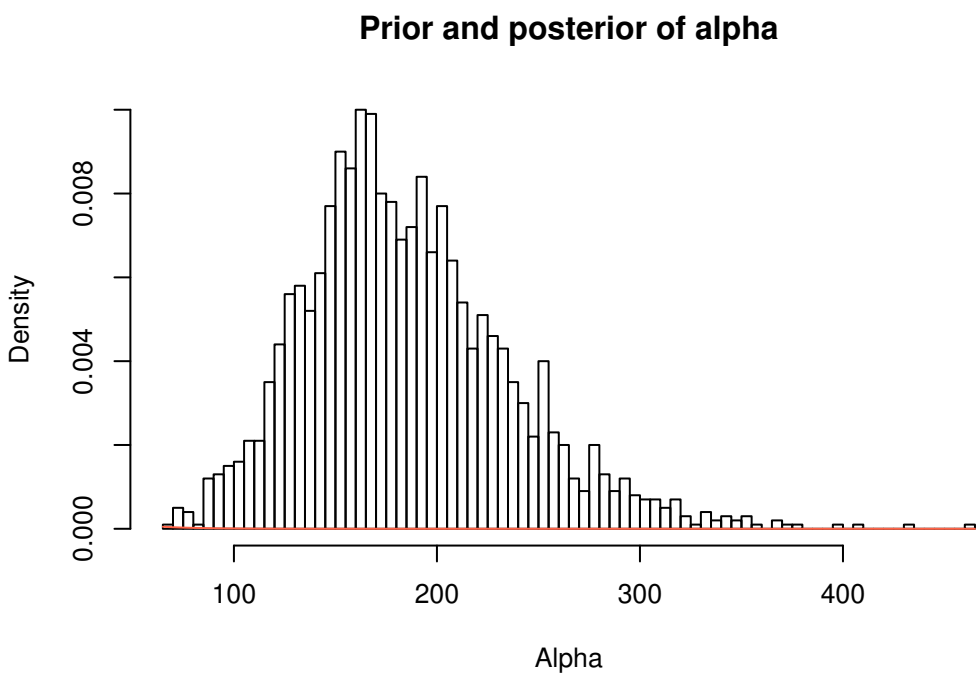

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

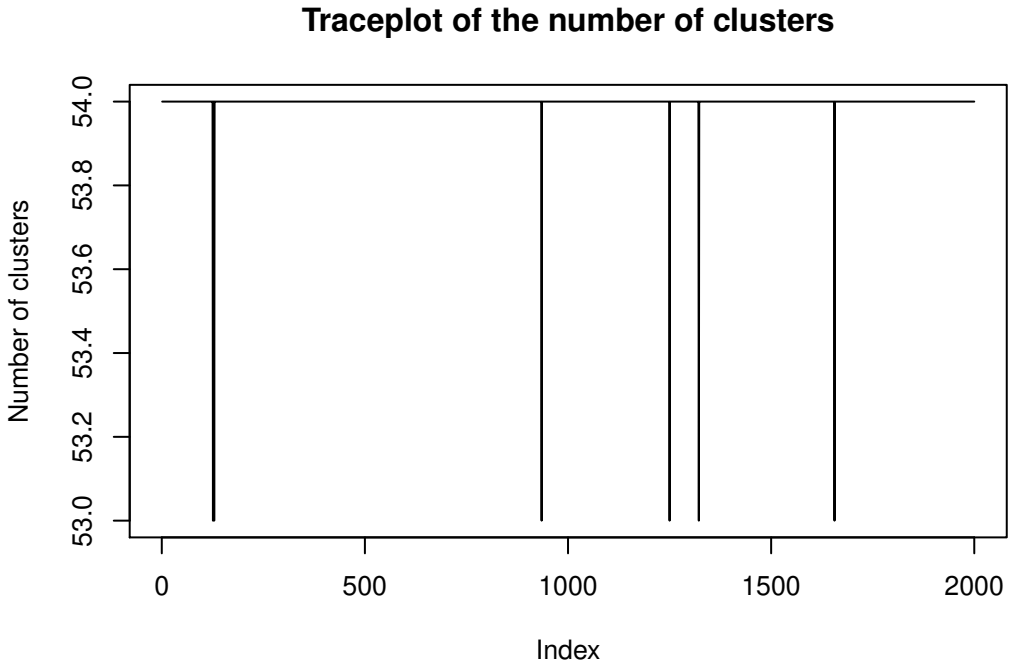

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

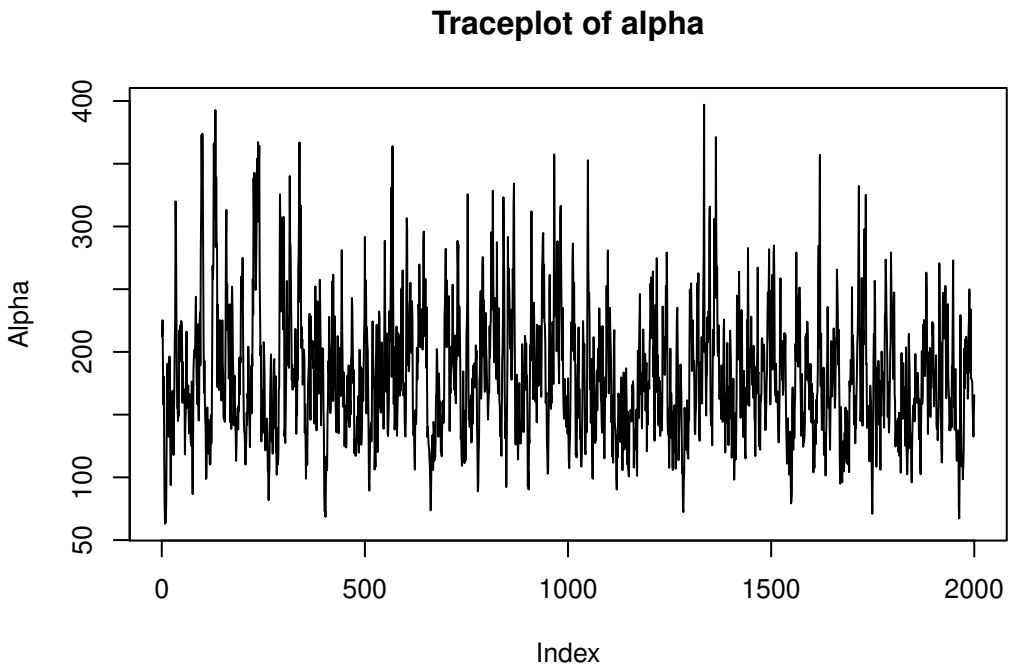

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

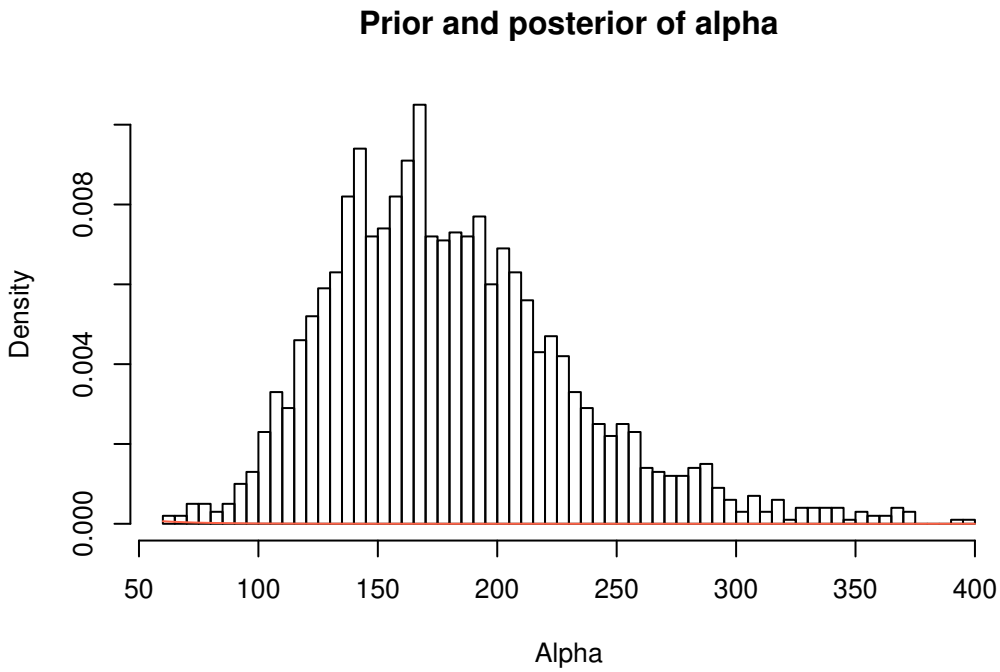

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

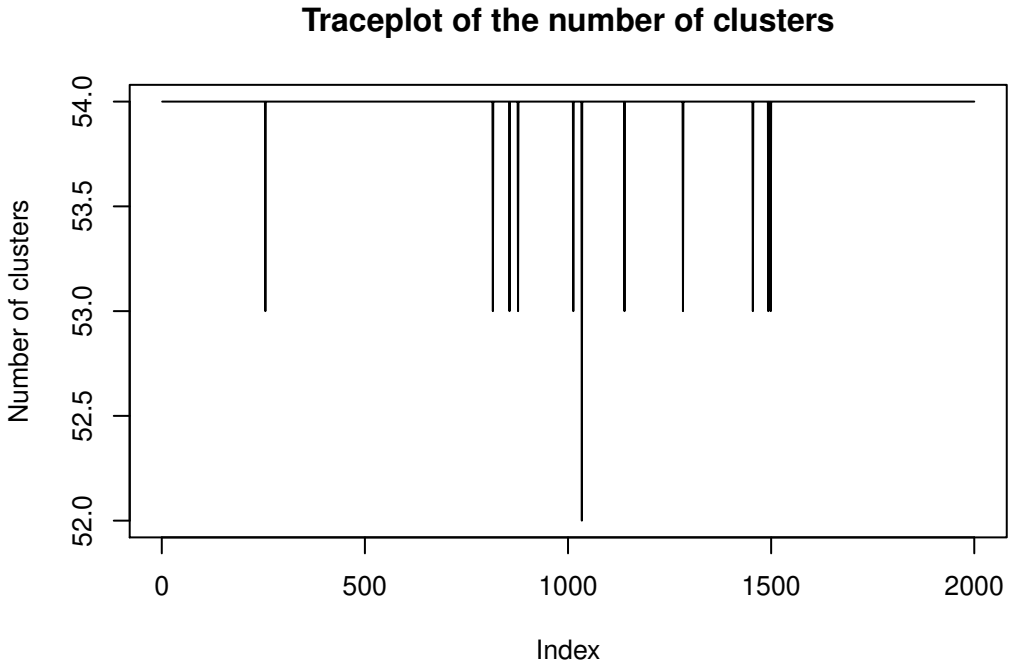

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

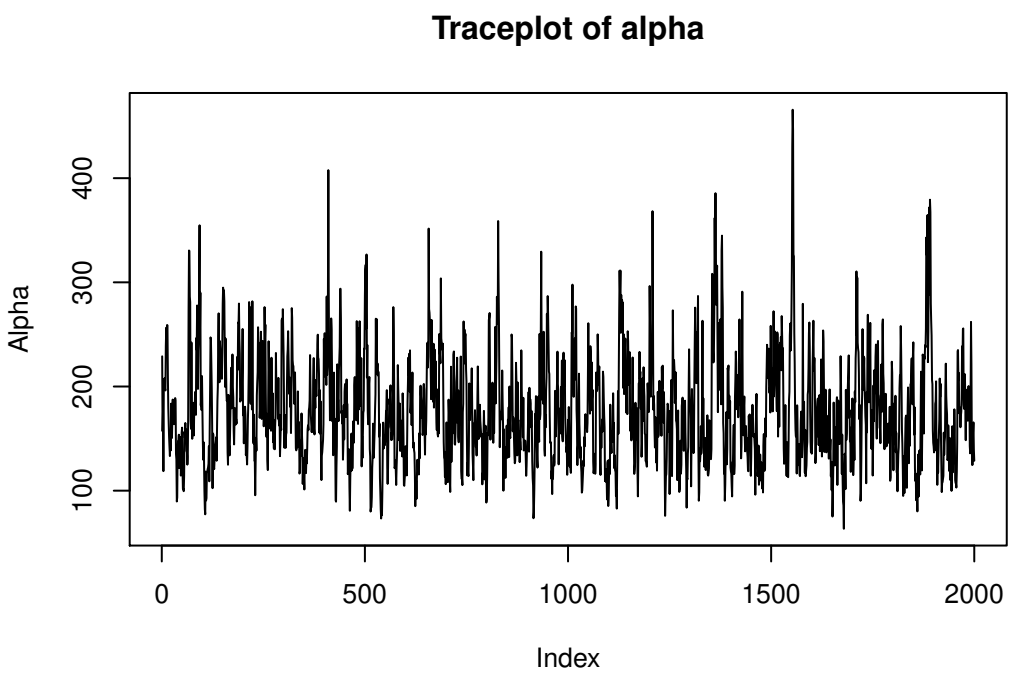

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

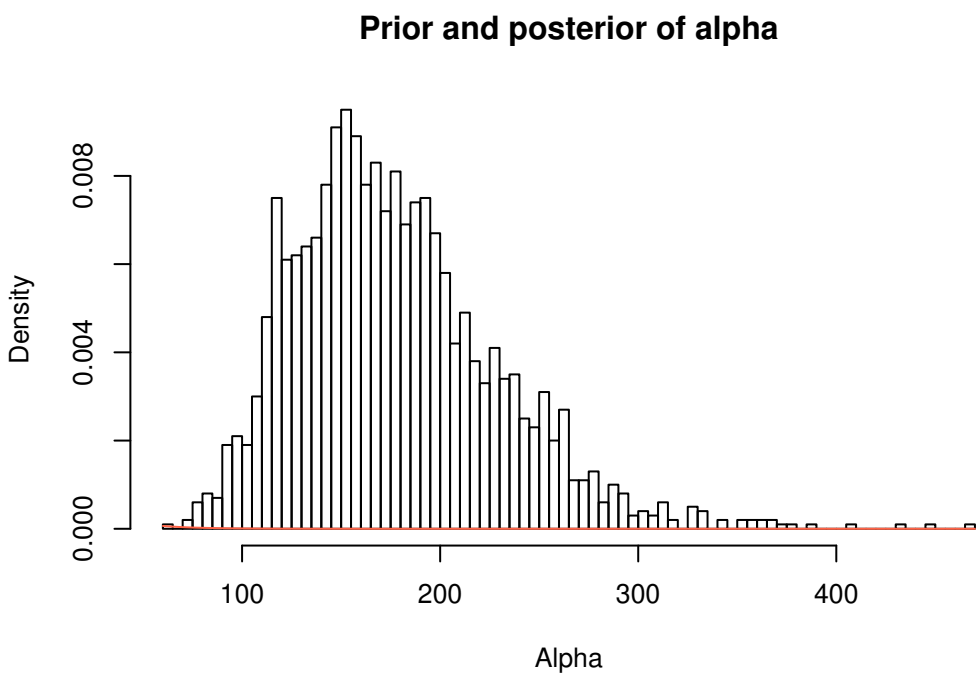

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

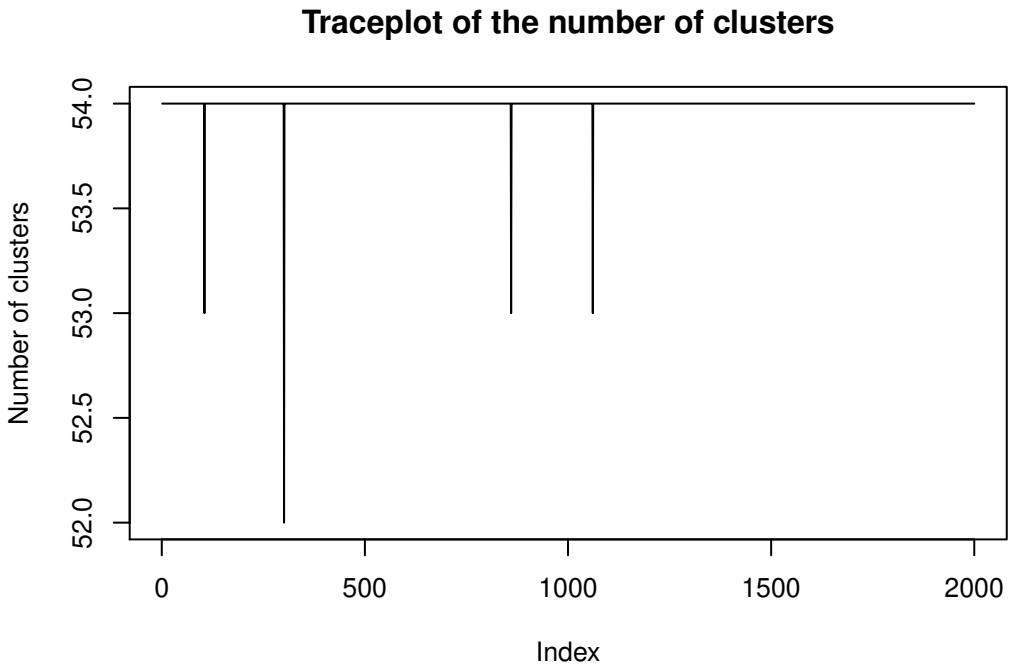

Traceplot of alpha
Alpha
Index
50
100
200
300
400
0
500
1000
1500
2000

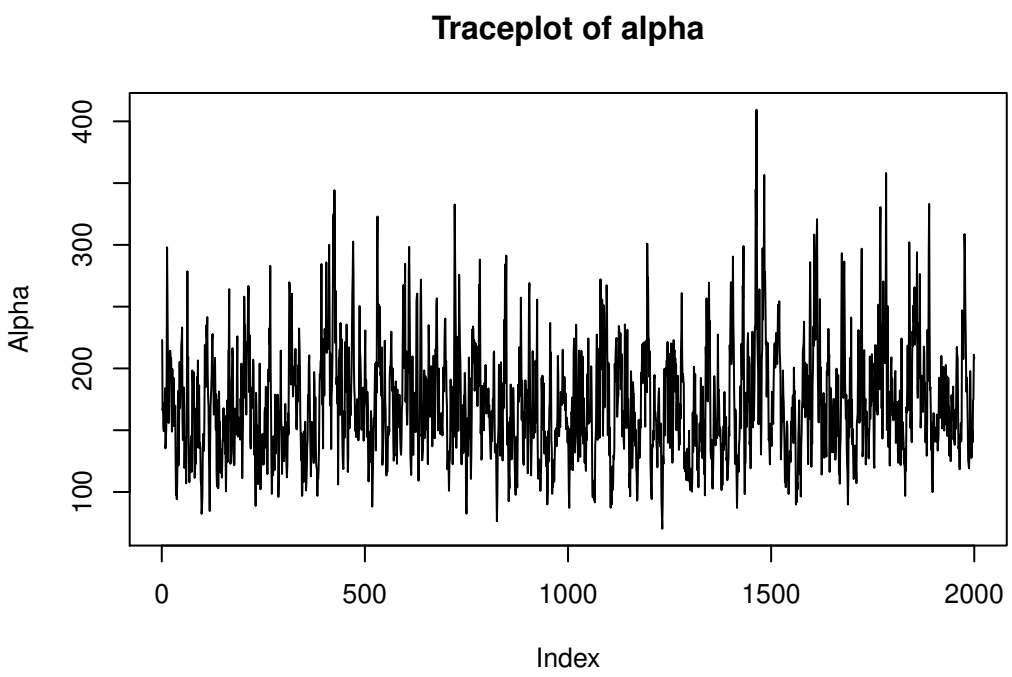

Prior and posterior of alpha
Density
Alpha
0.000
0.004
0.008
50
100
150
200
250
300
350
400

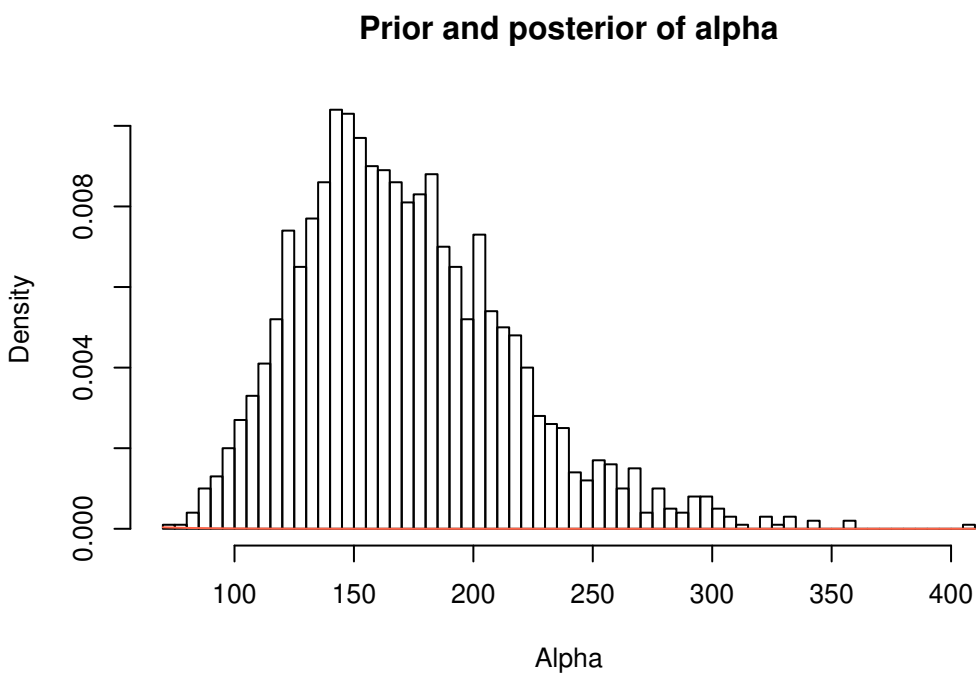

Traceplot of the number of clusters
Number of clusters
Index
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000

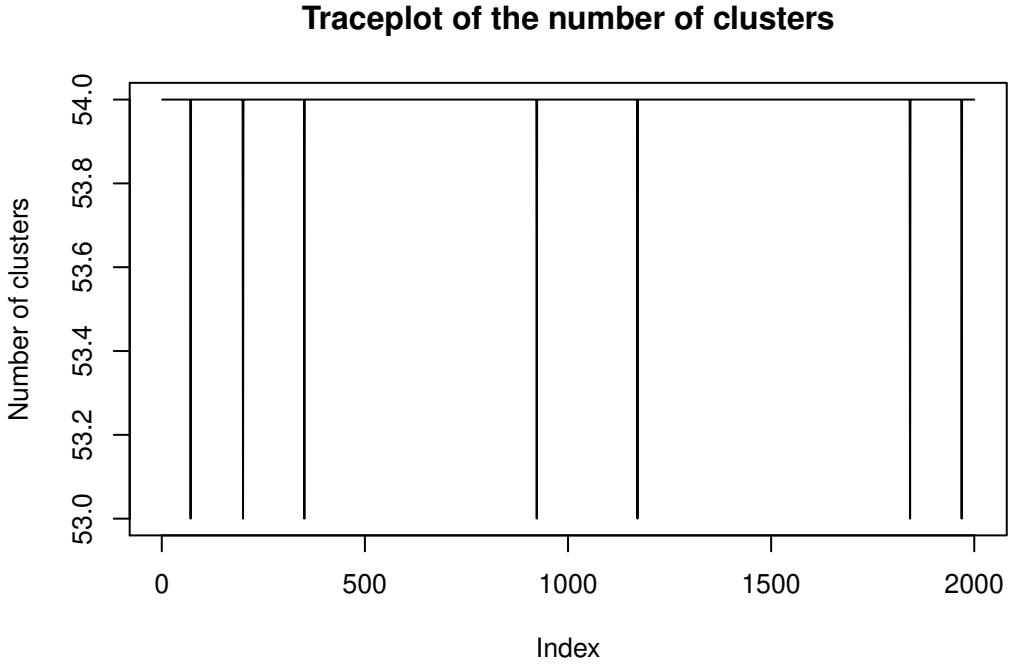

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

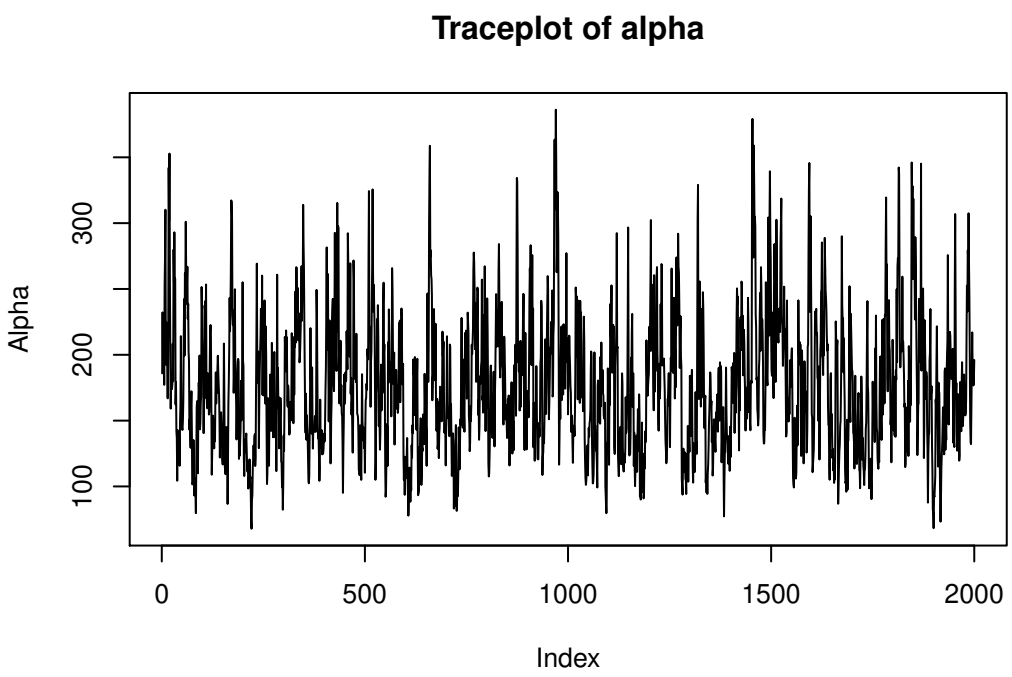

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

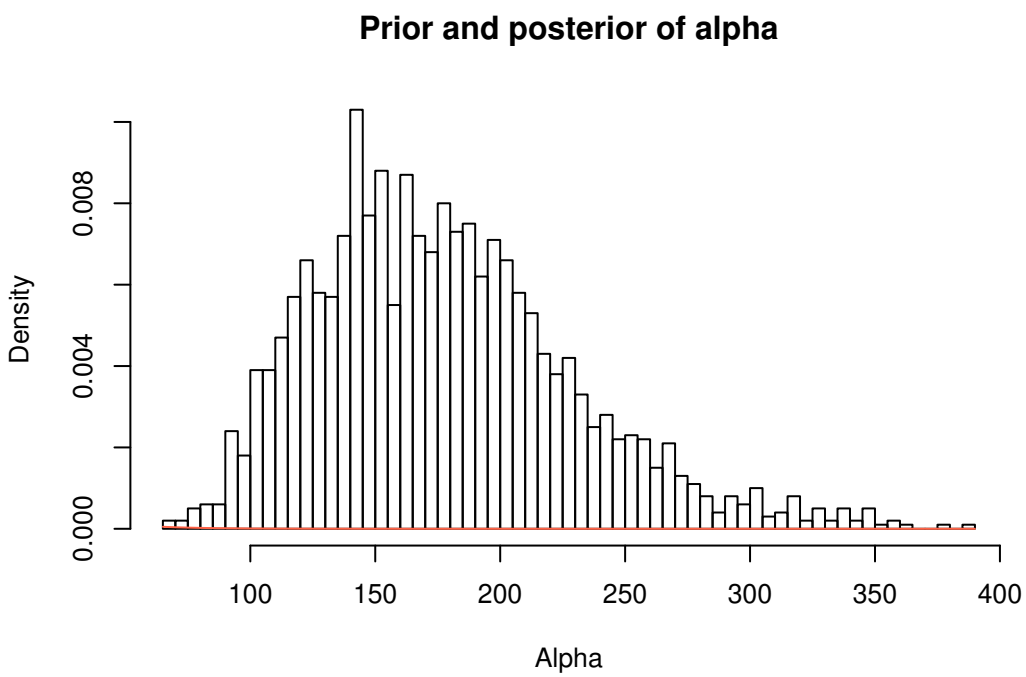

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

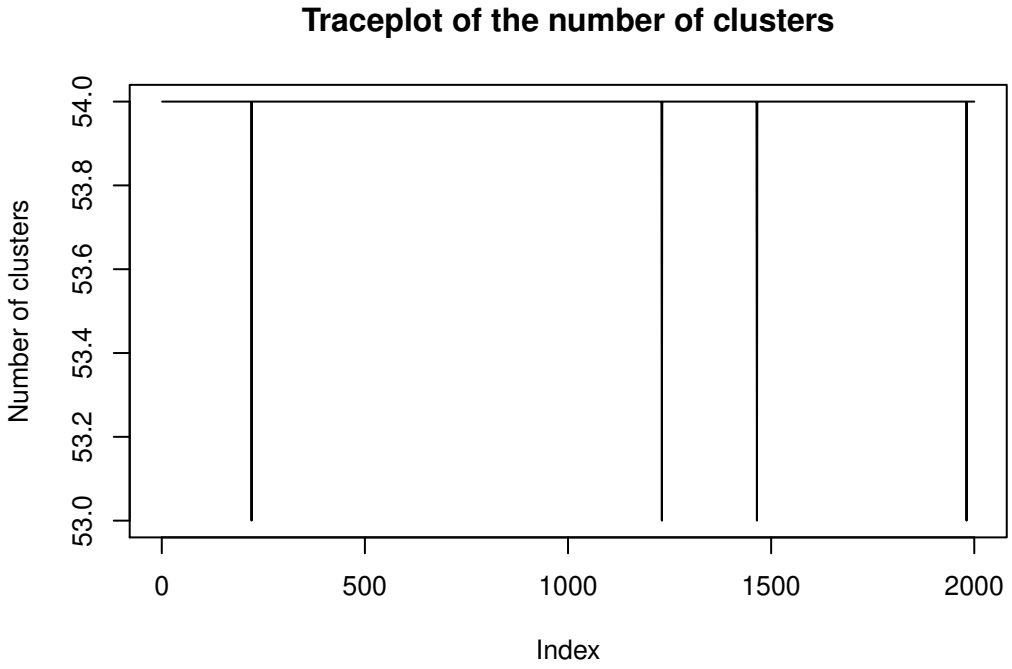

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

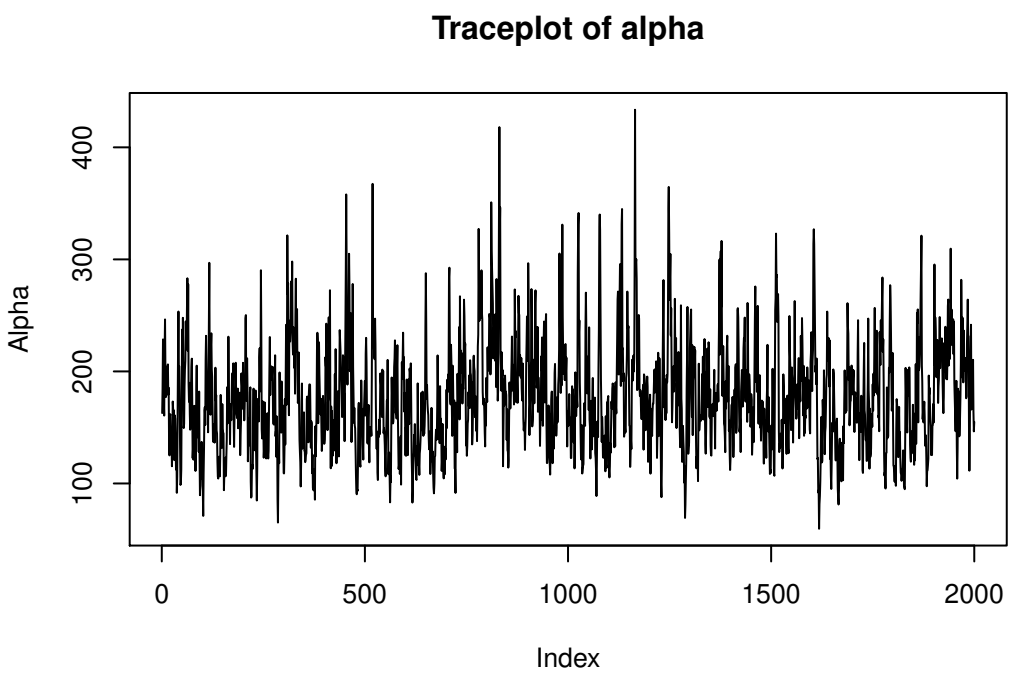

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

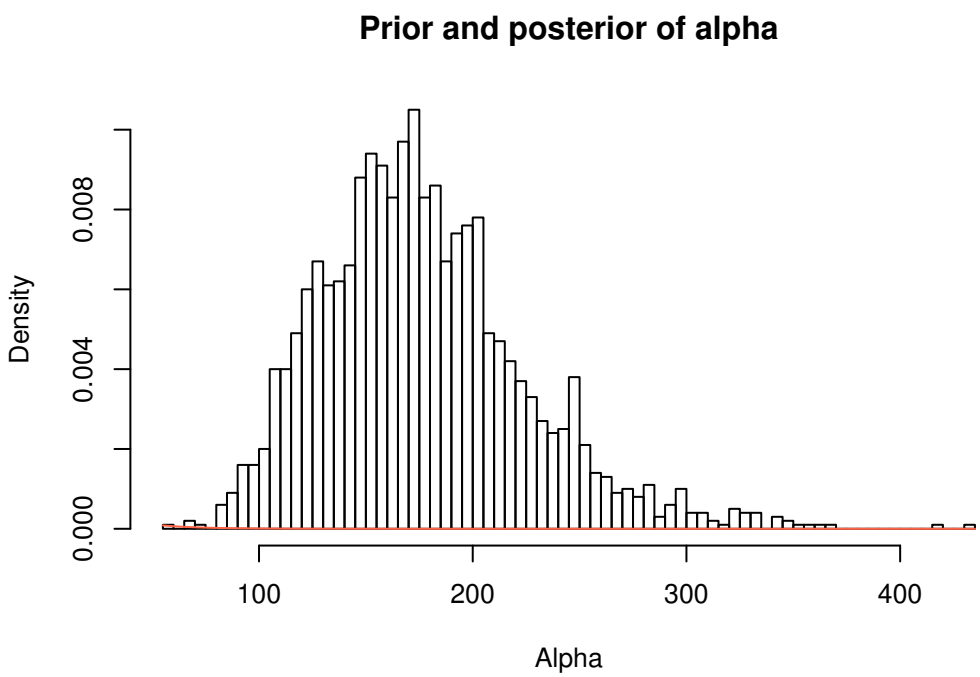

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

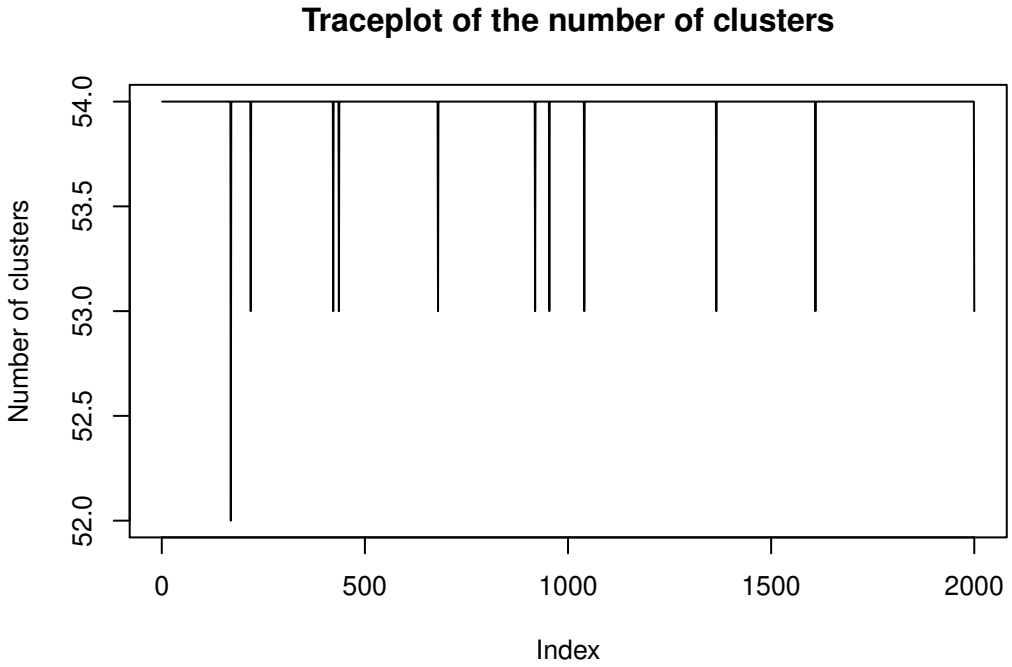

Traceplot of alpha
Alpha
100
200
300
0
500
1000
1500
2000
Index

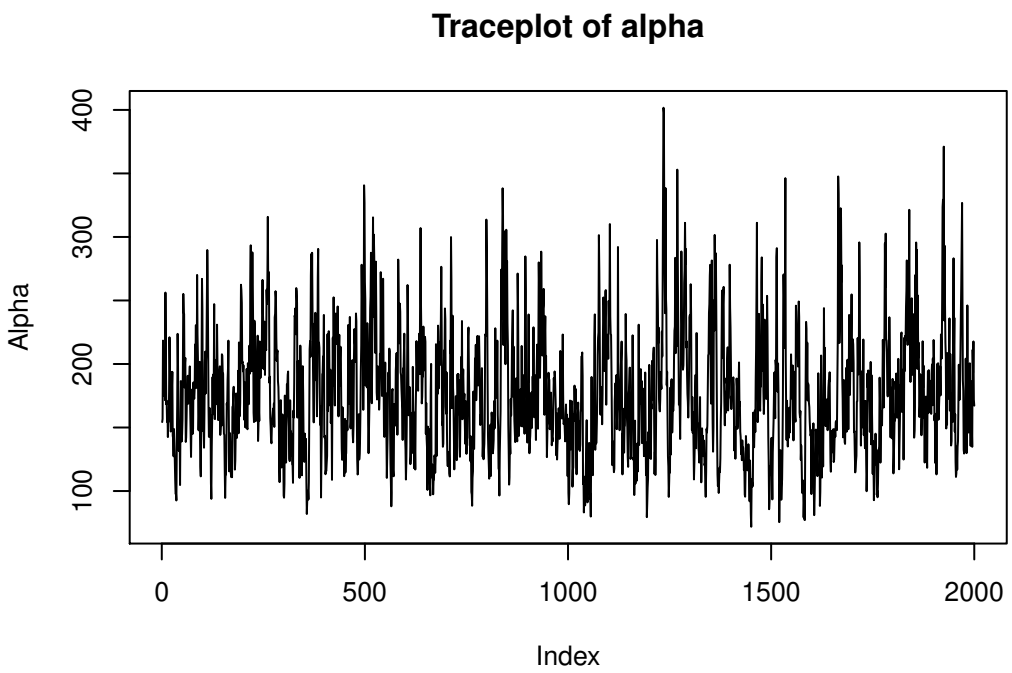

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

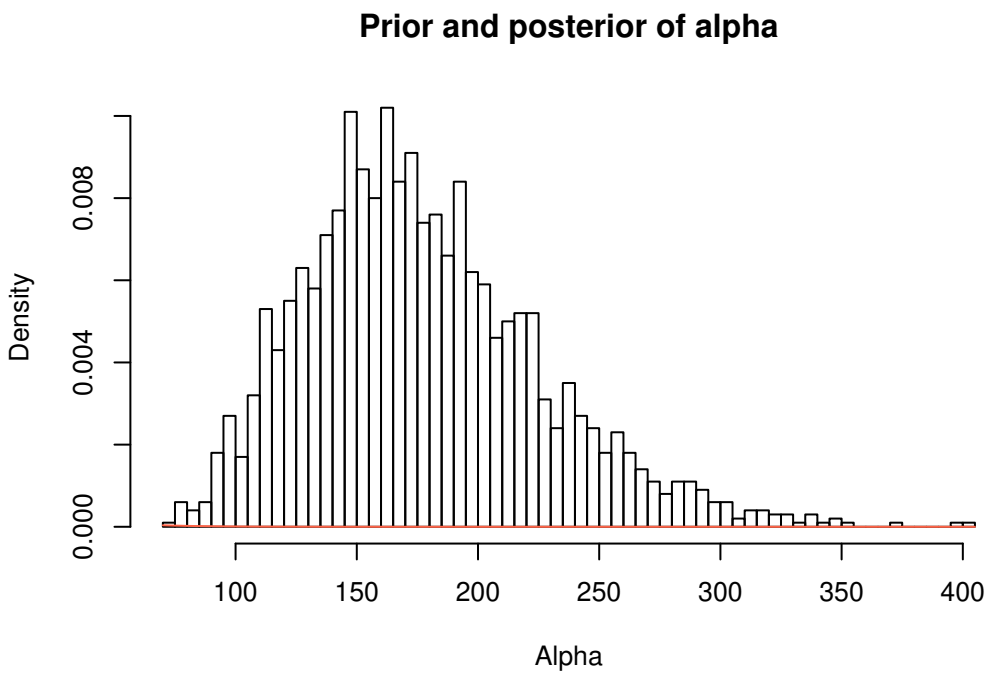

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

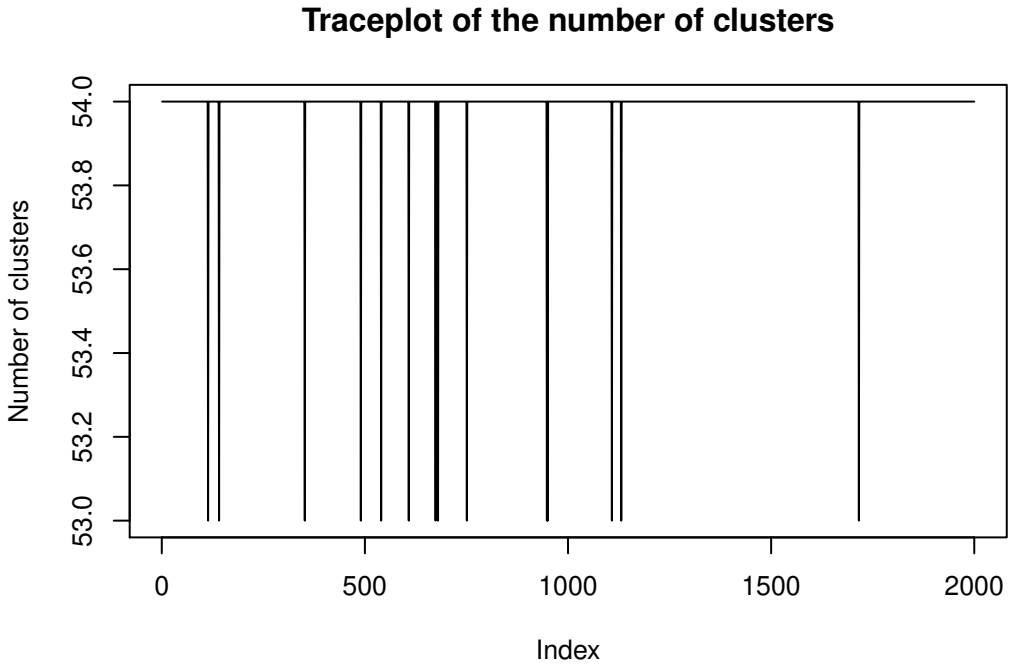

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

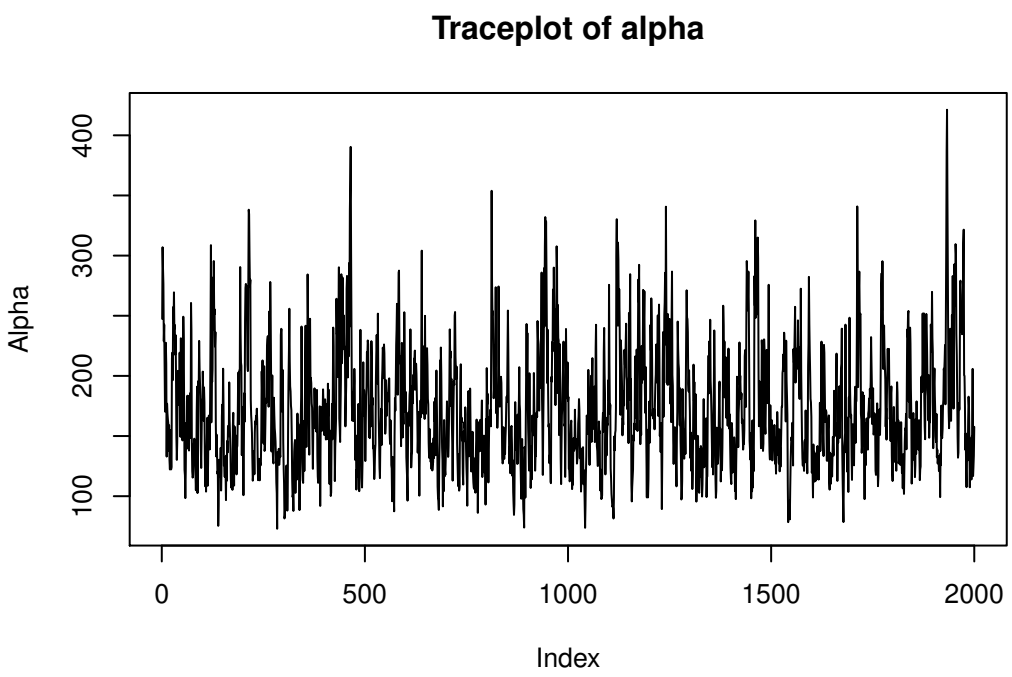

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

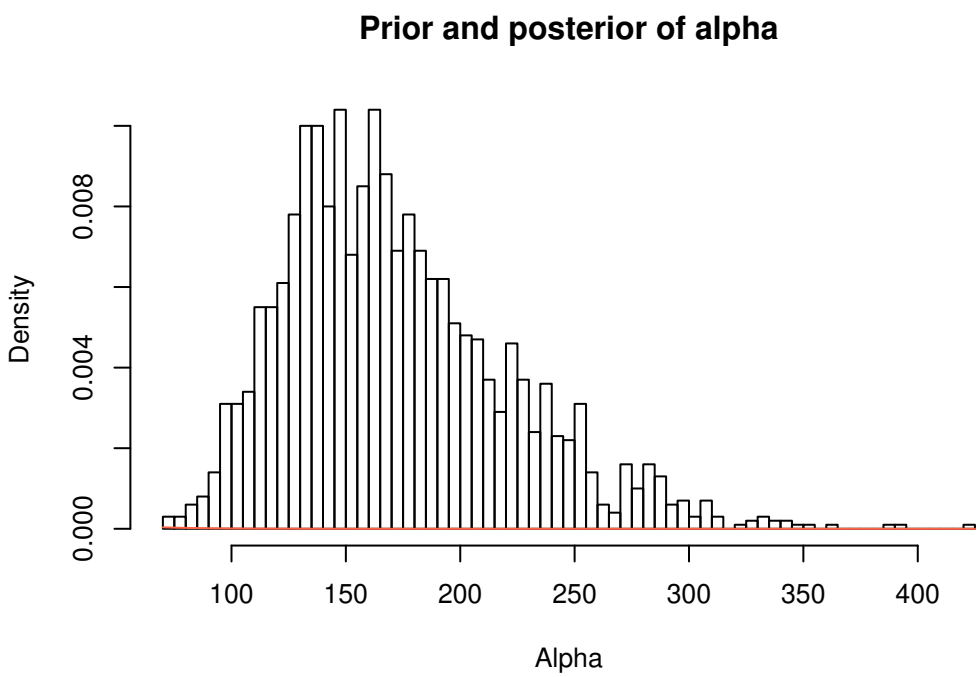

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

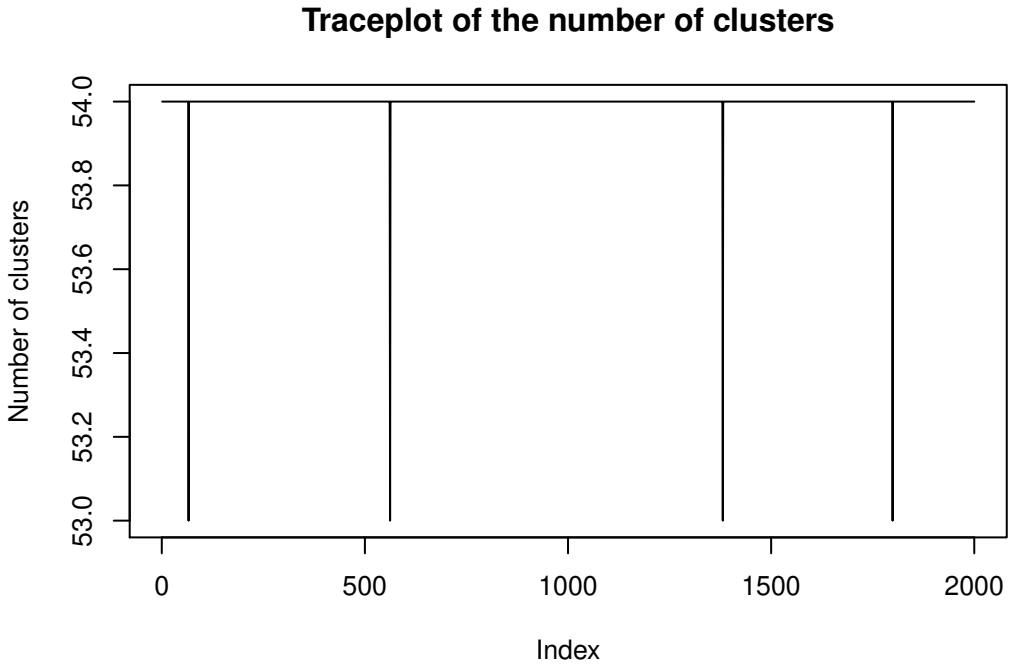

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

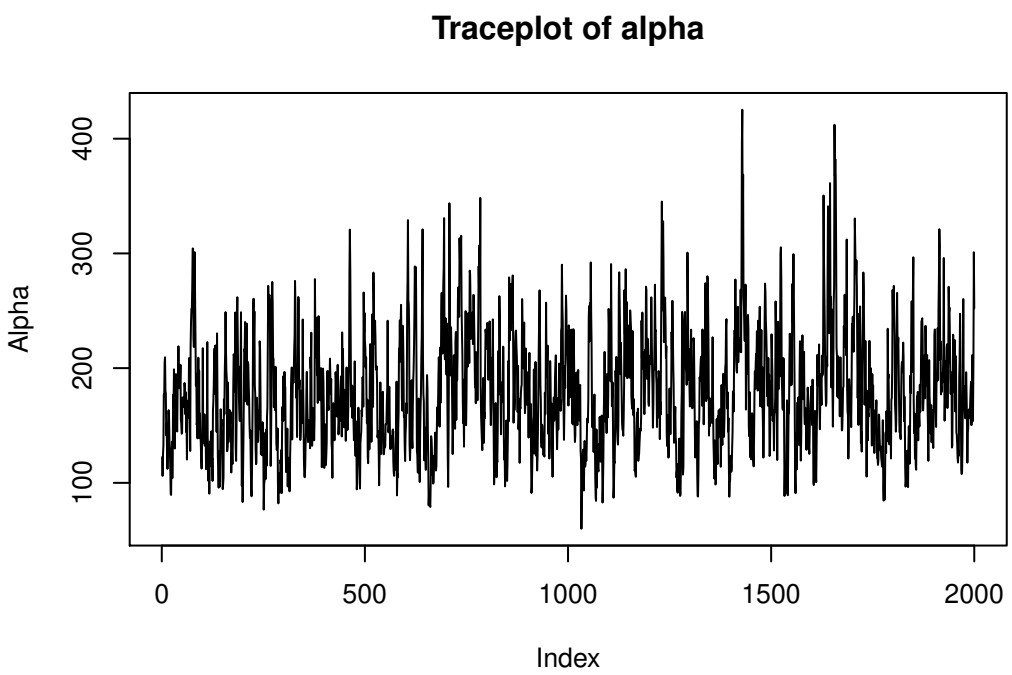

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

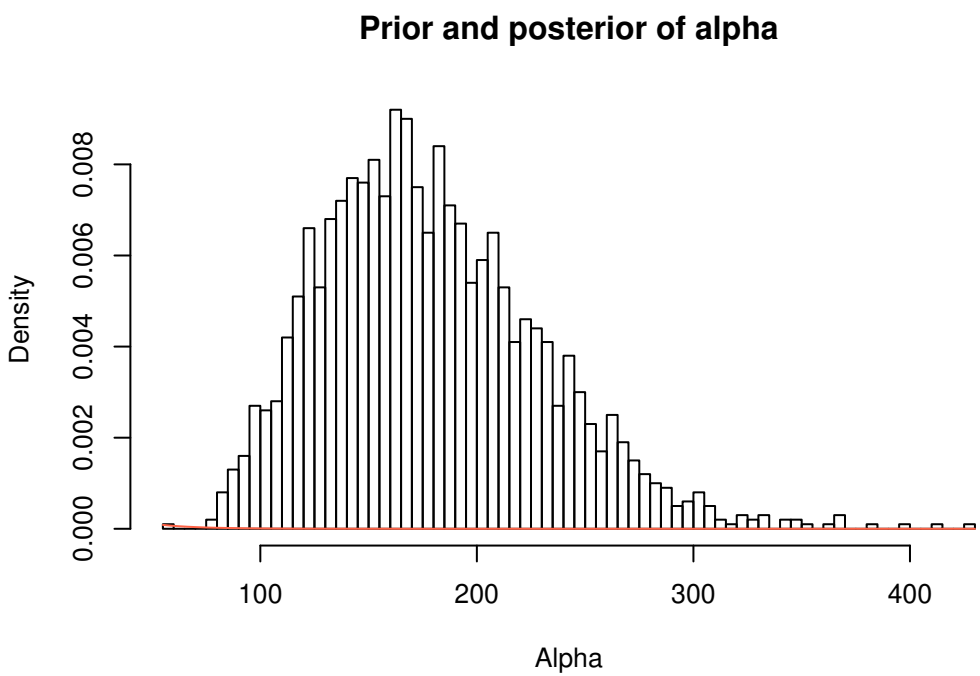

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

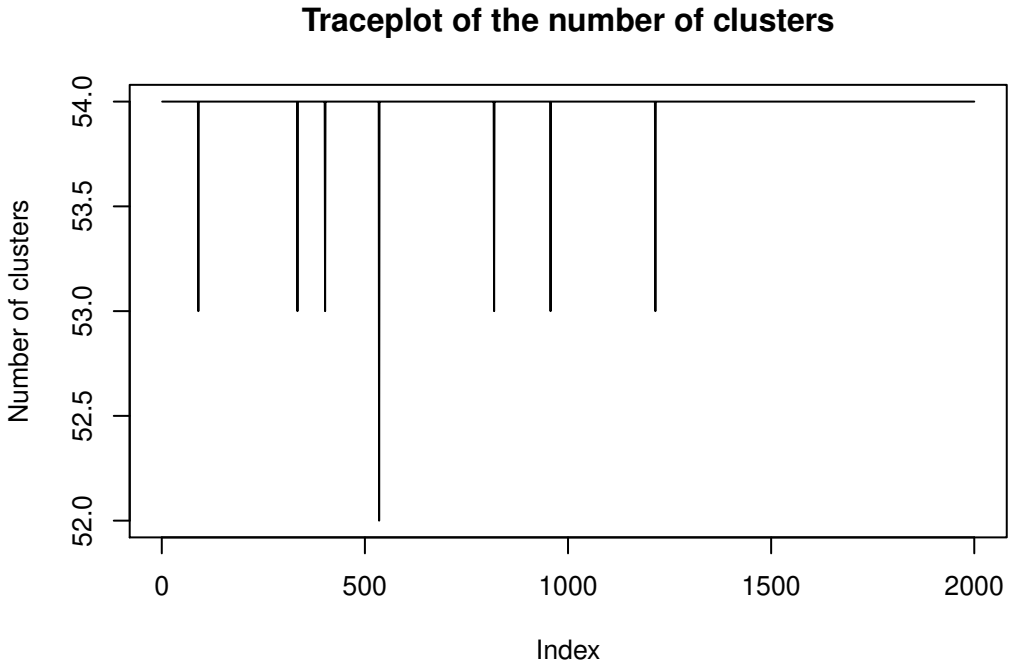

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

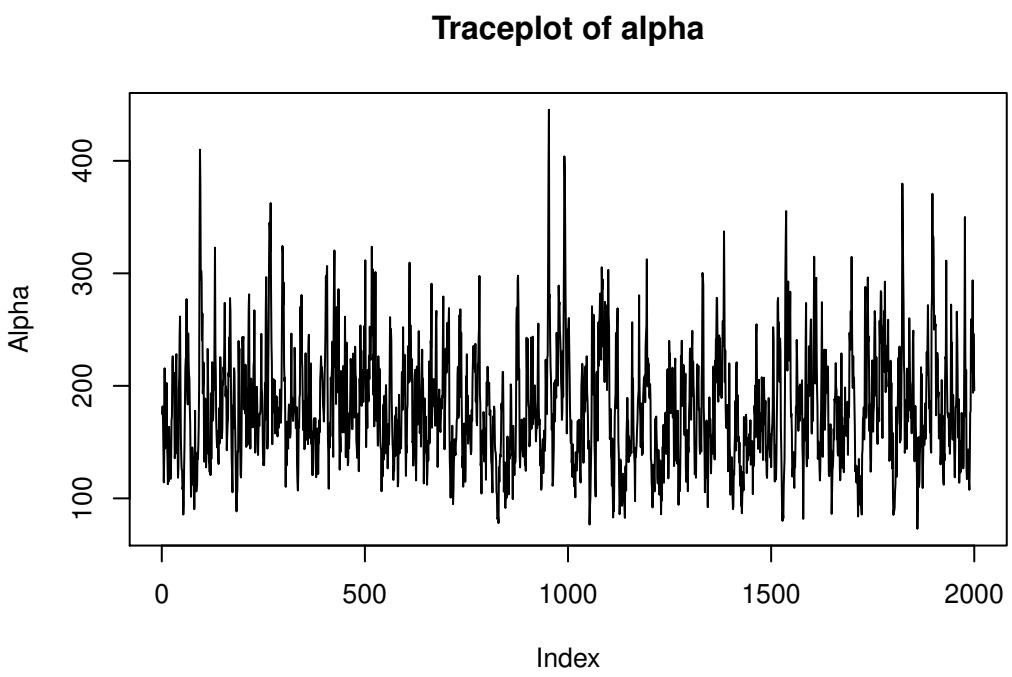

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

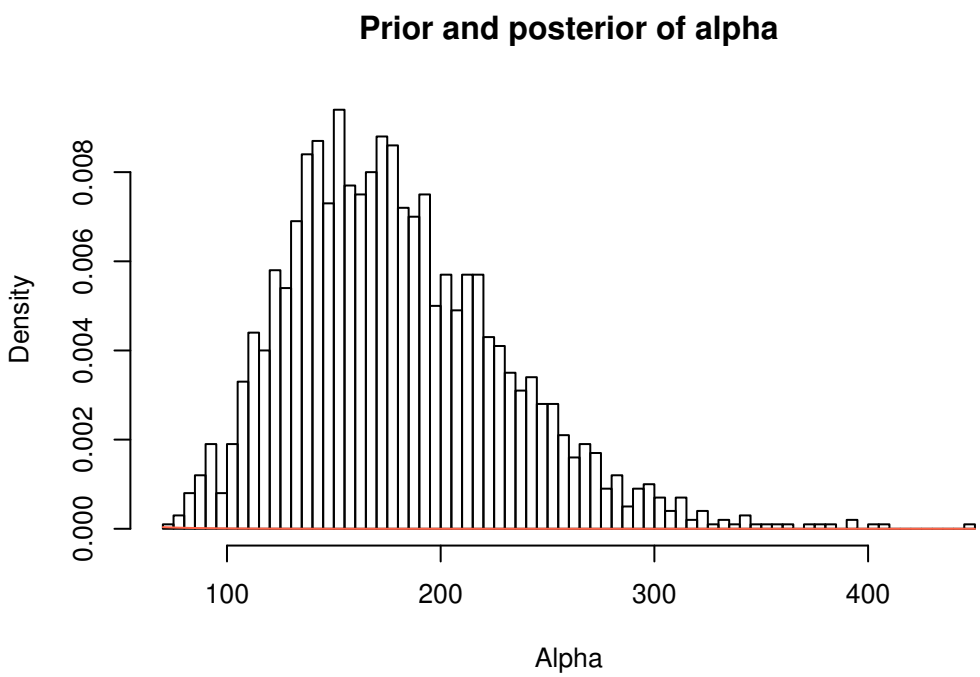

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

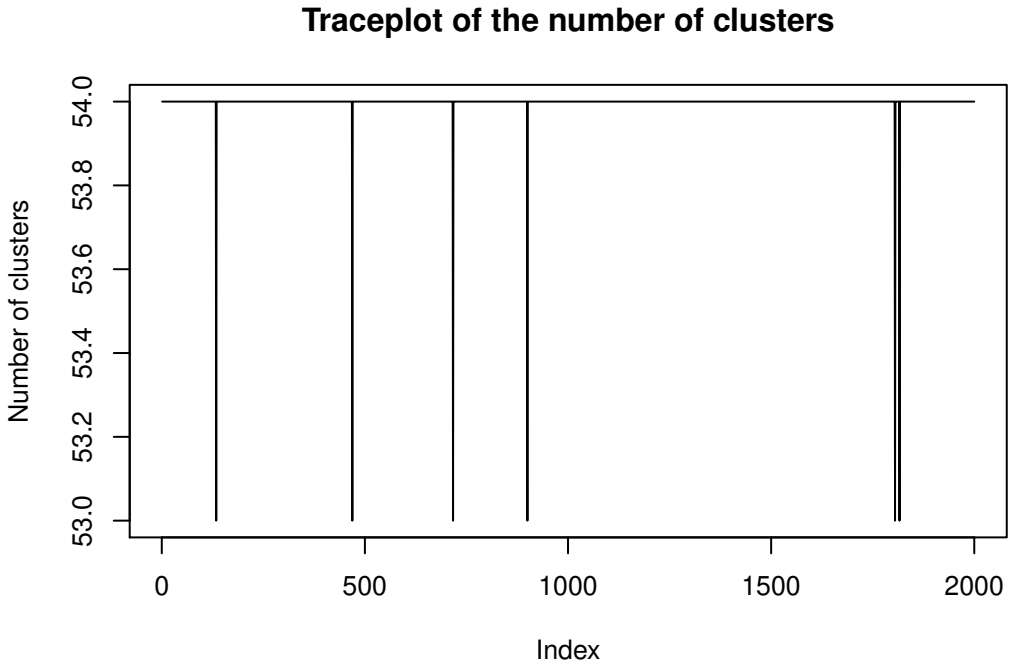

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

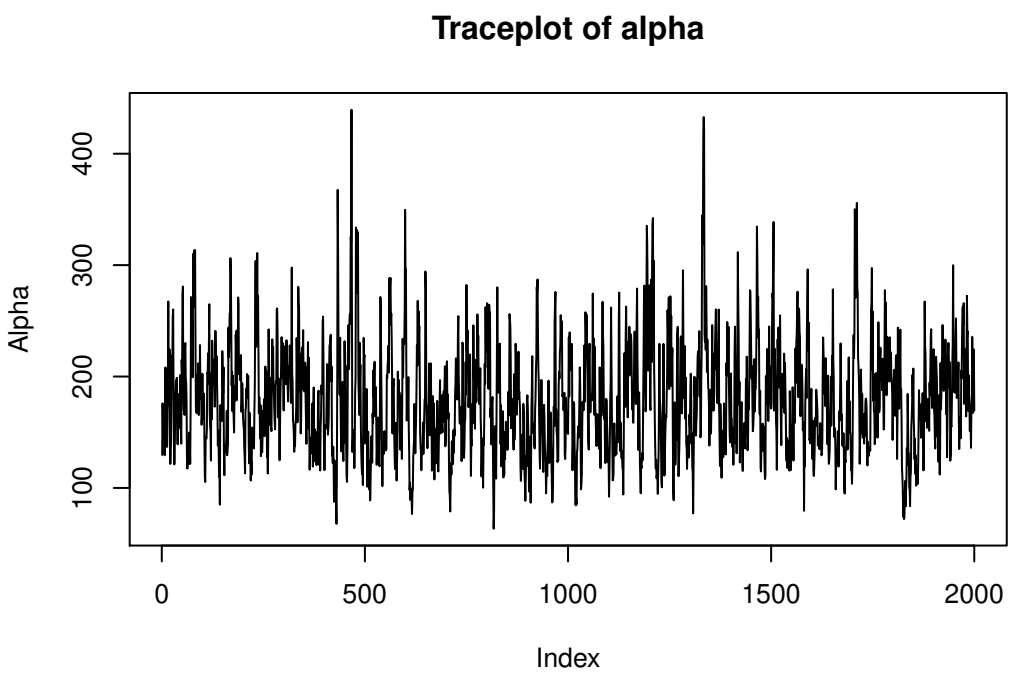

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

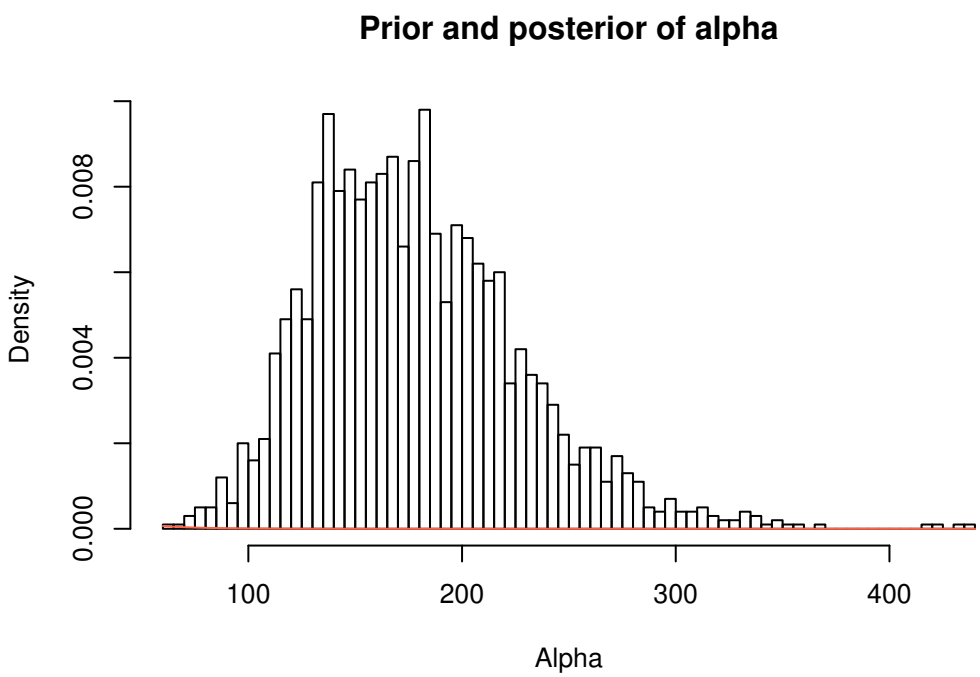

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

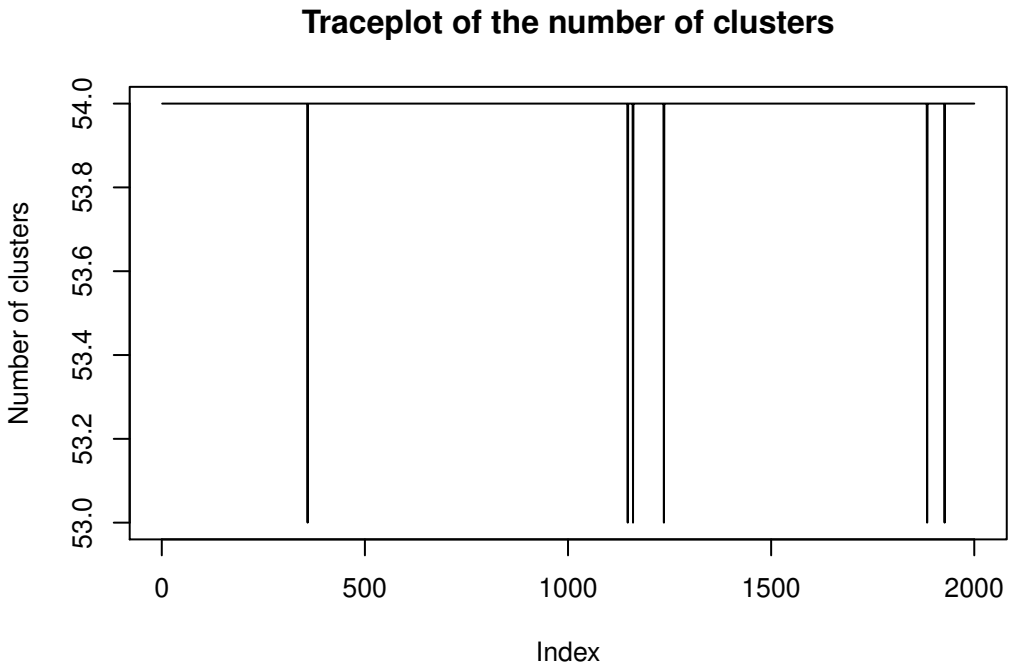

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

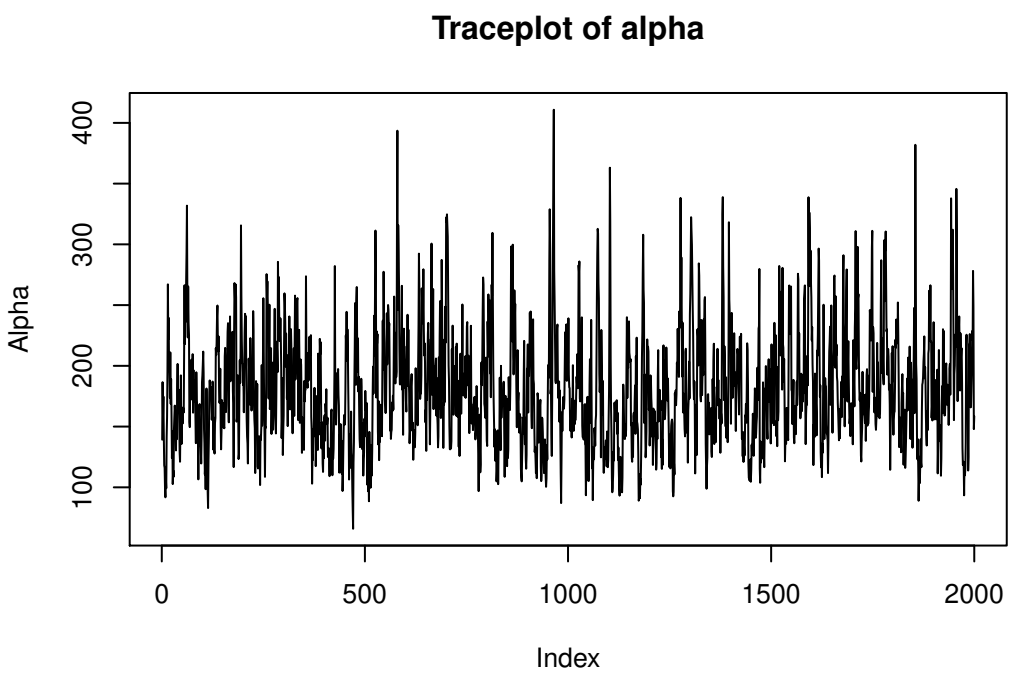

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

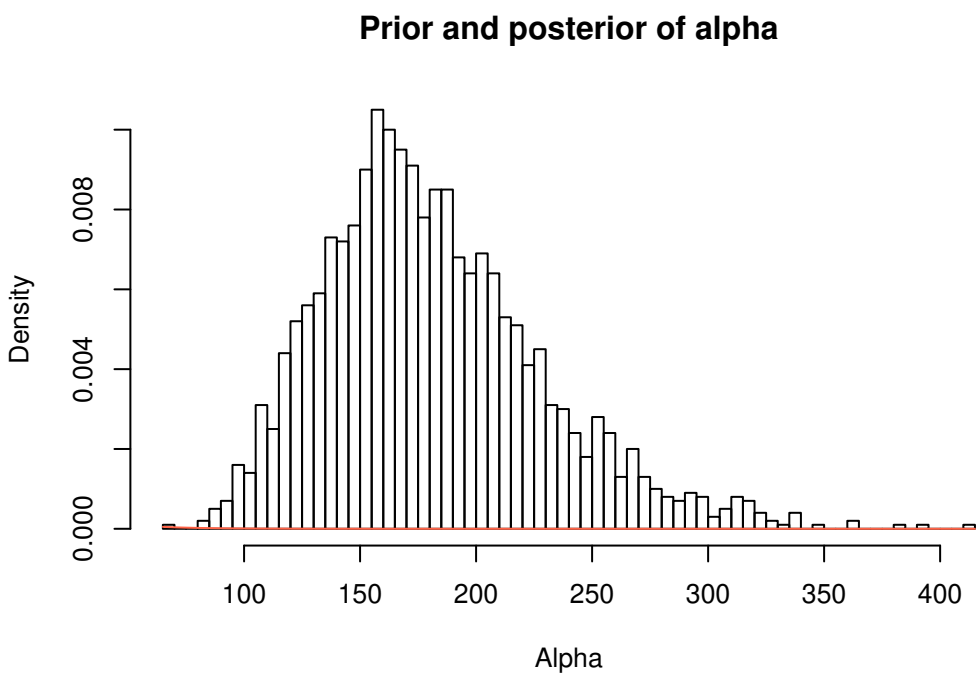

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

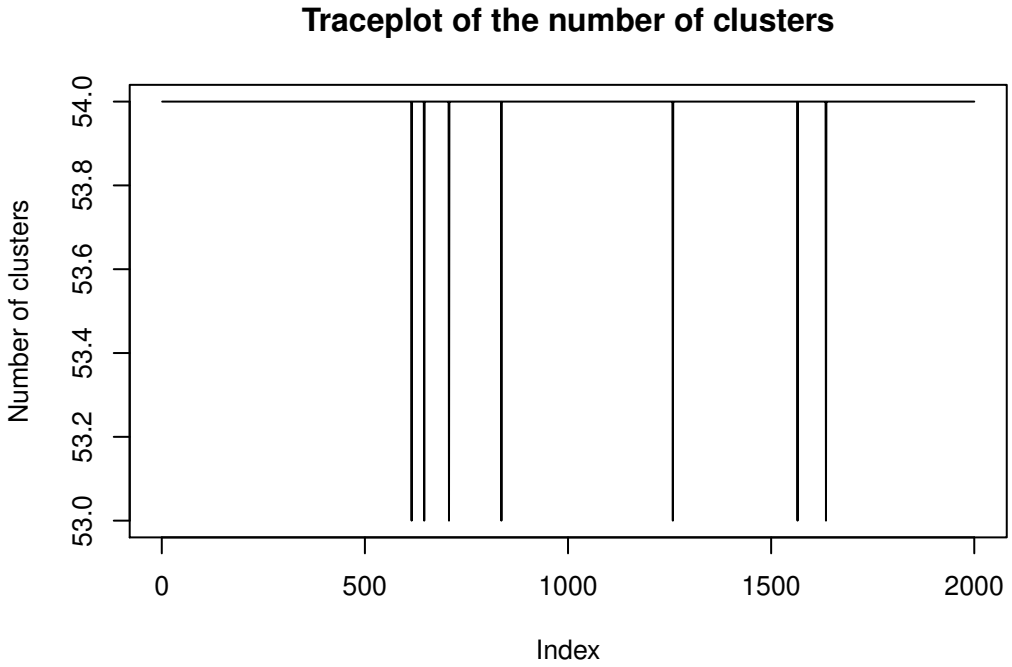

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

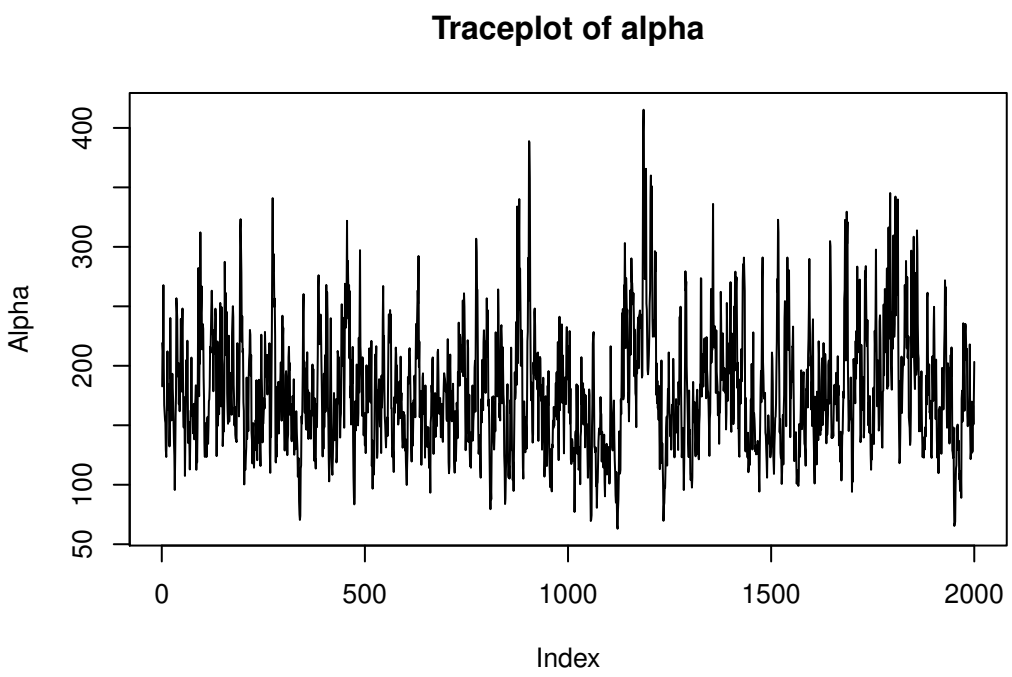

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

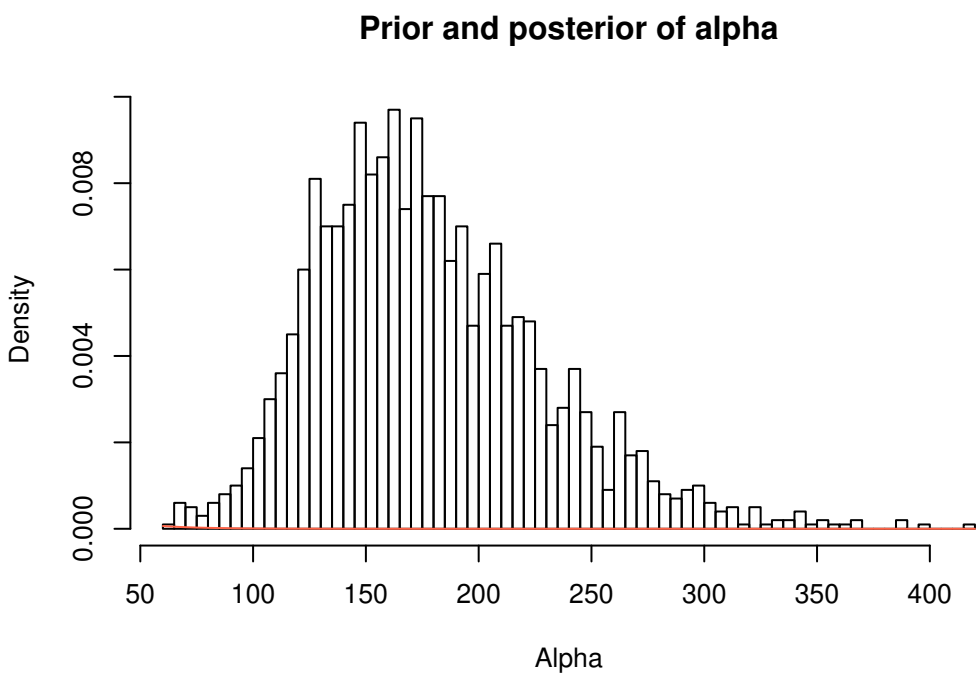

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

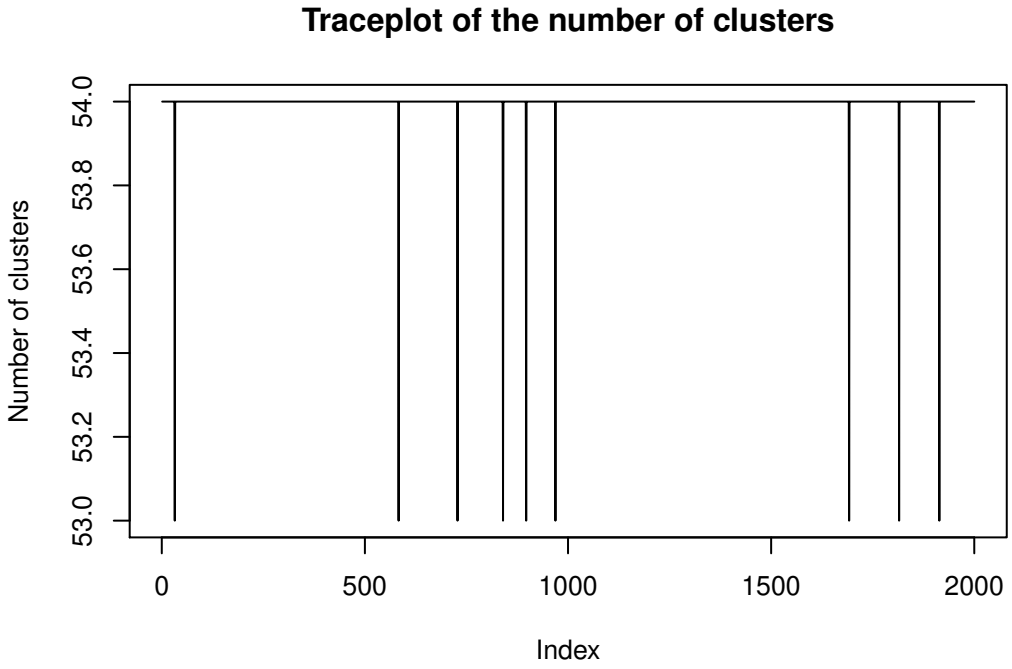

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

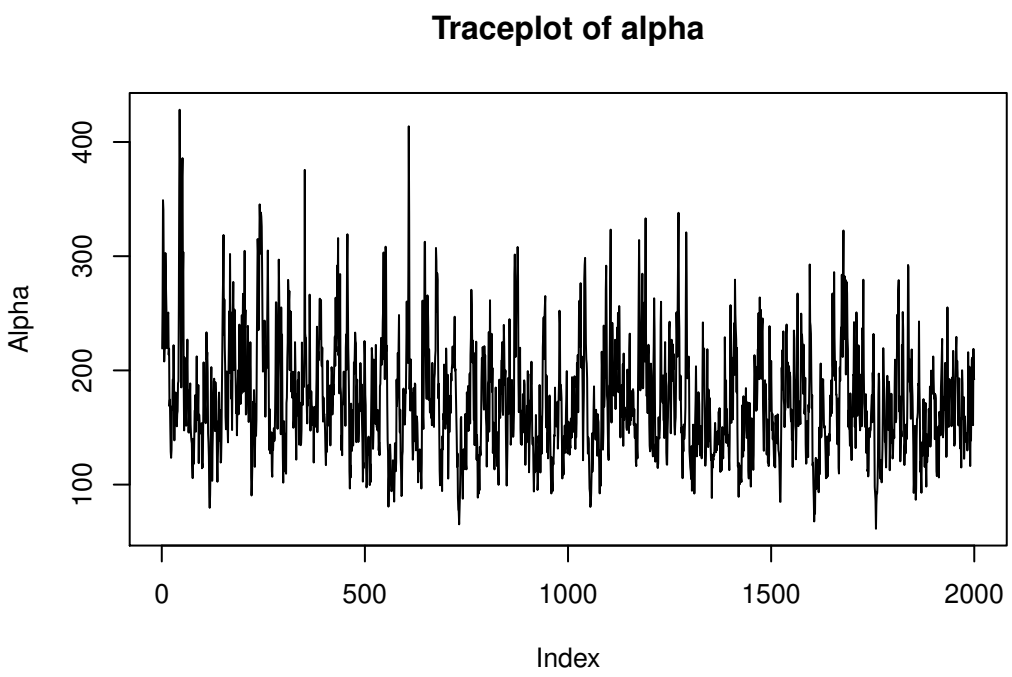

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

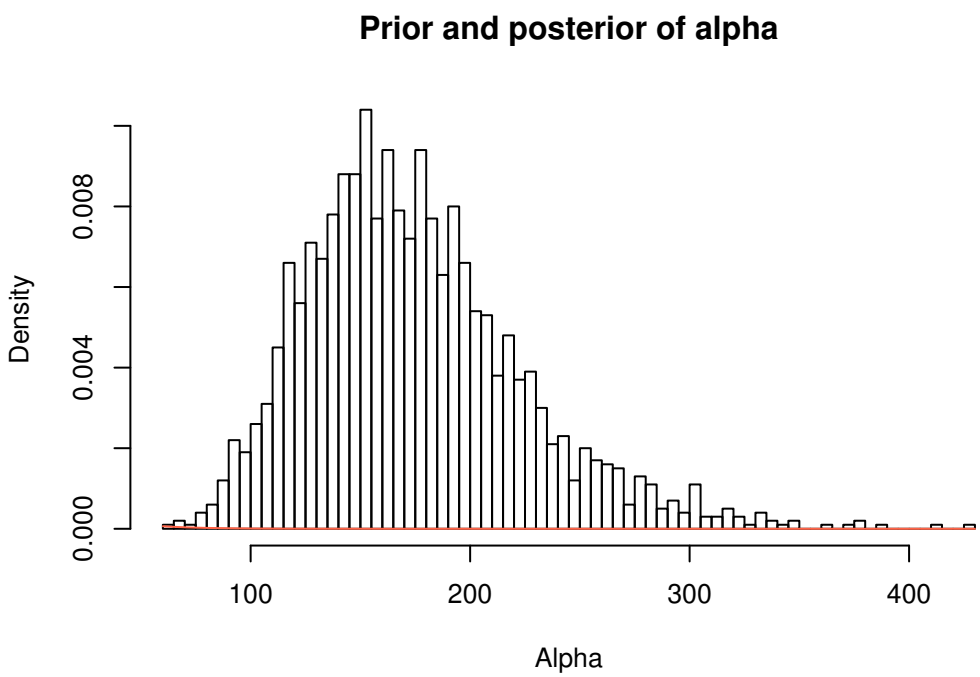

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

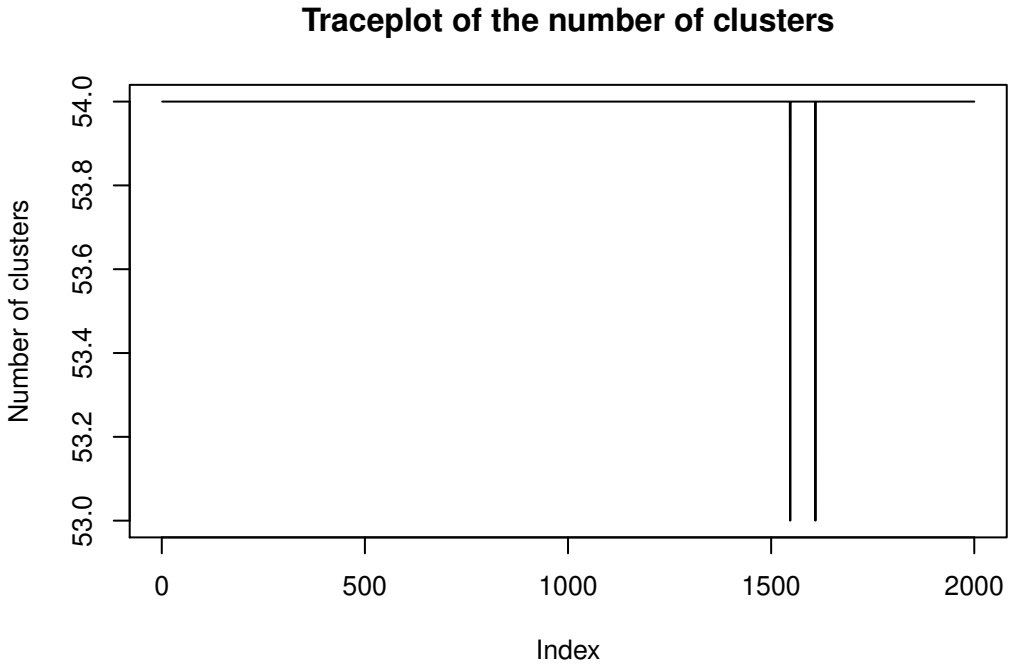

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

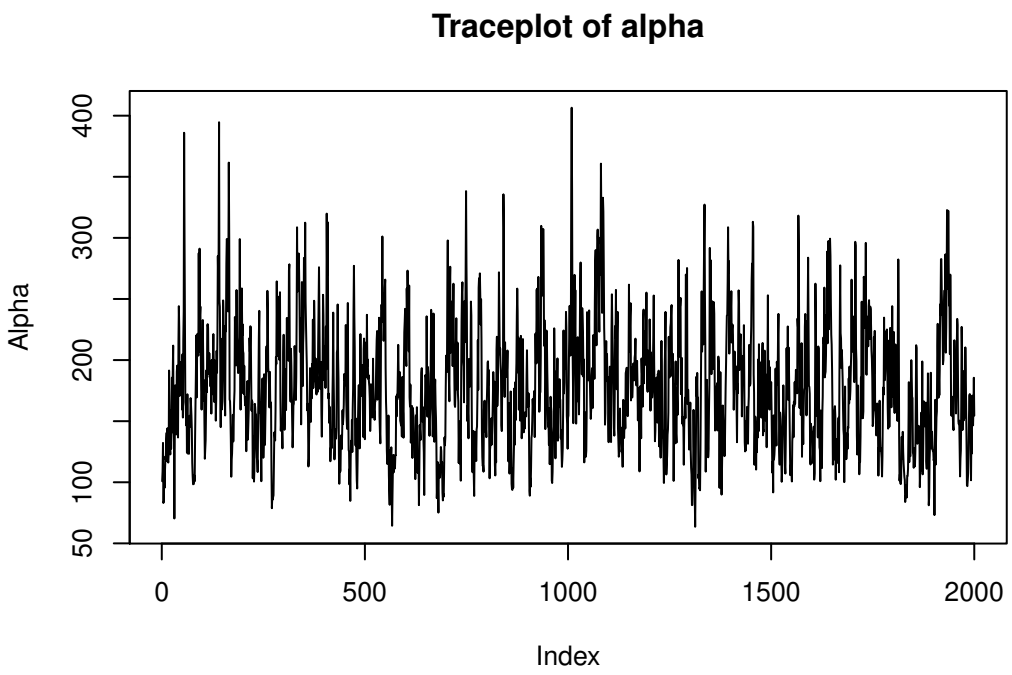

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

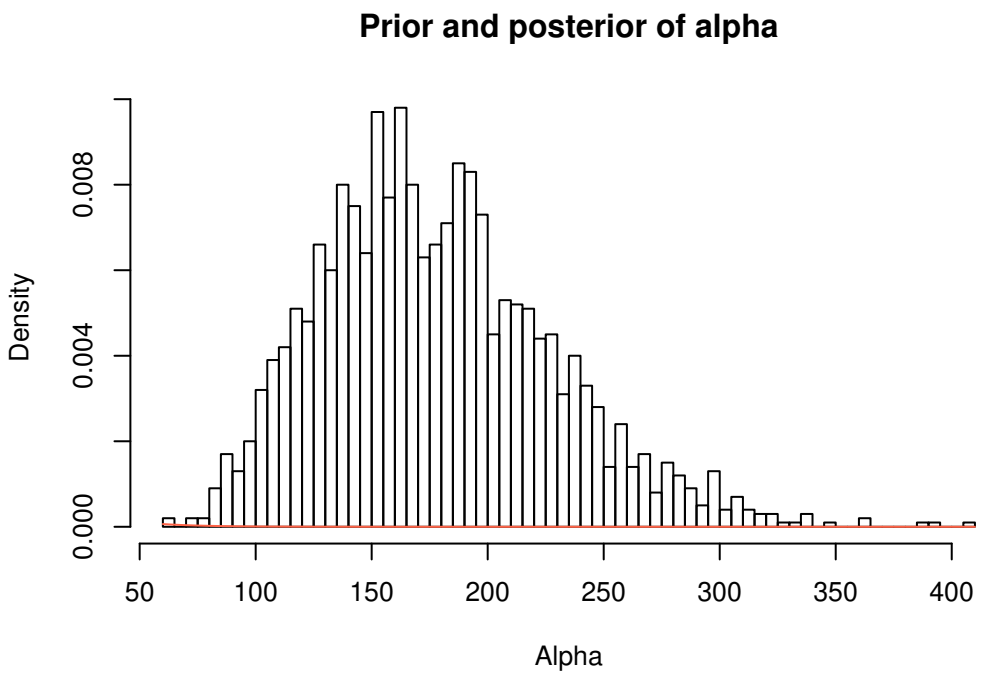

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

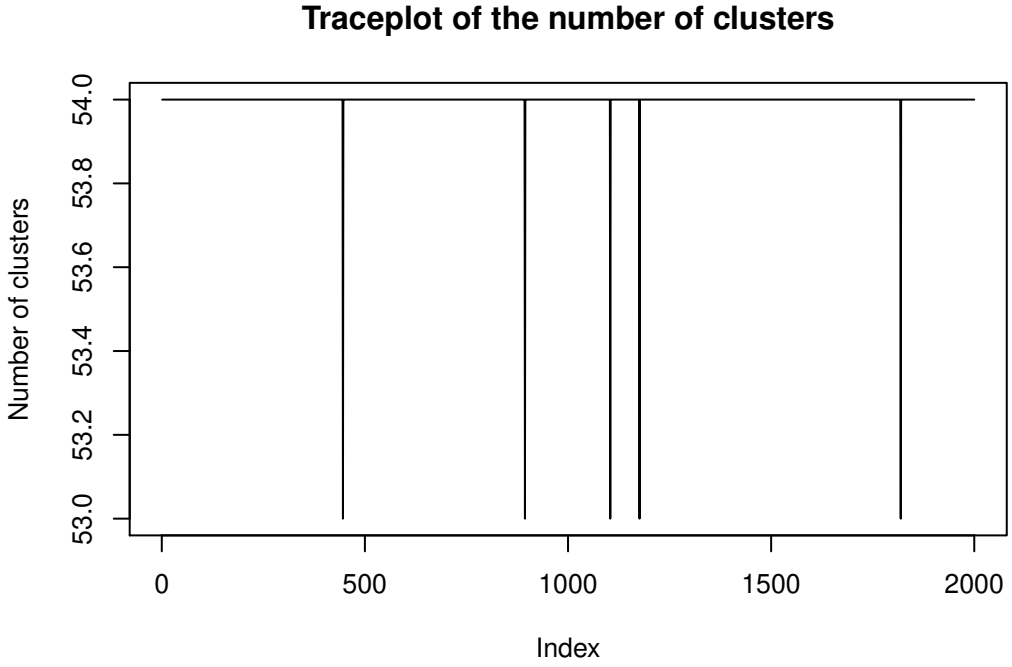

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

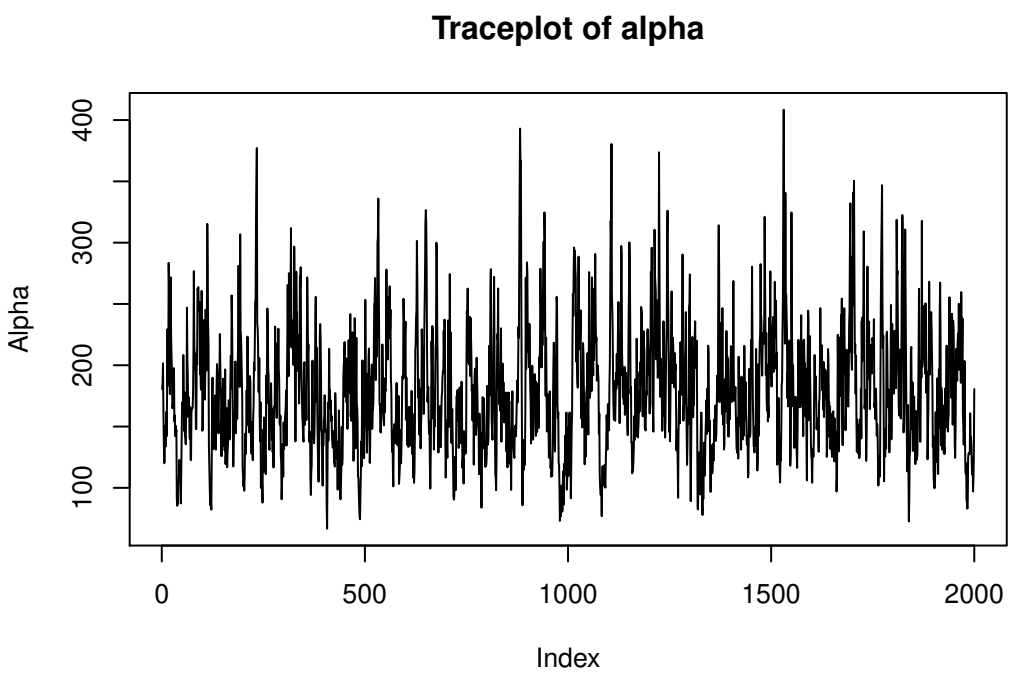

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

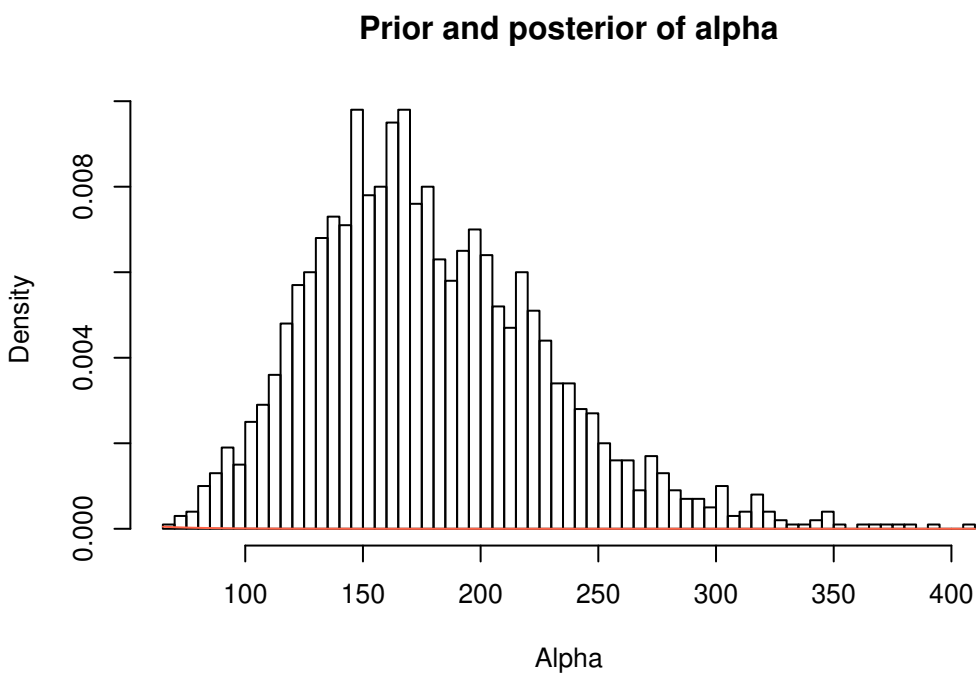

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

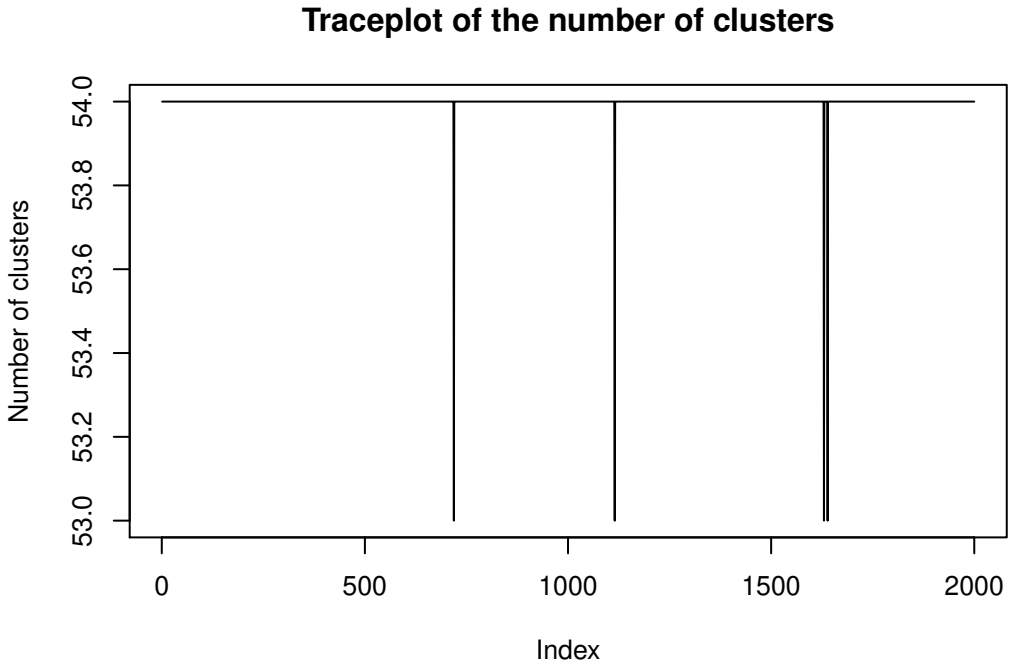

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

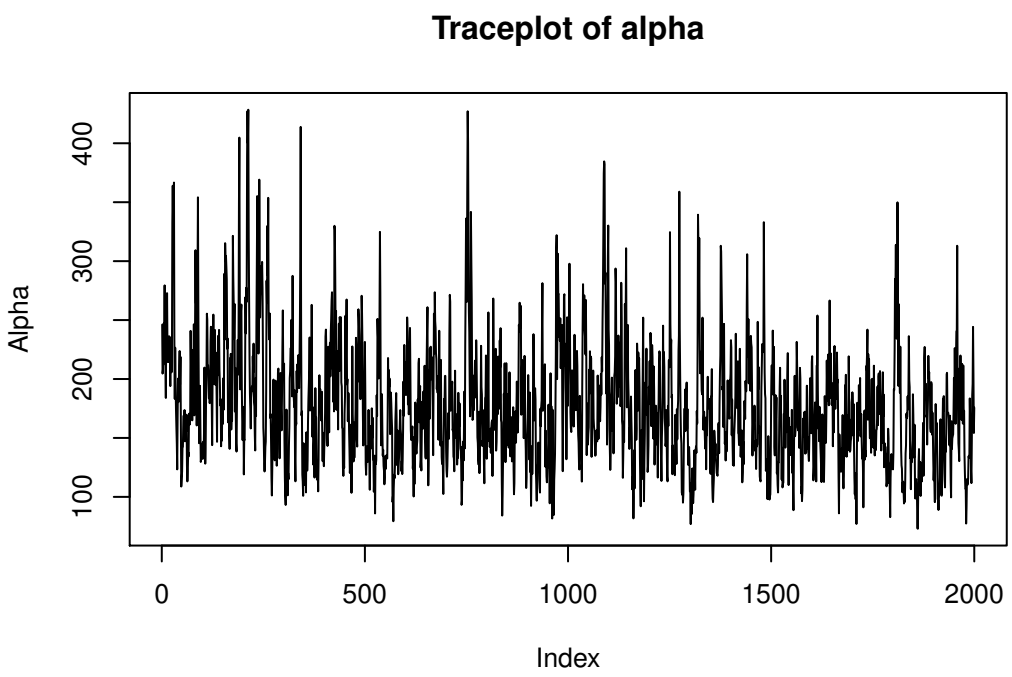

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

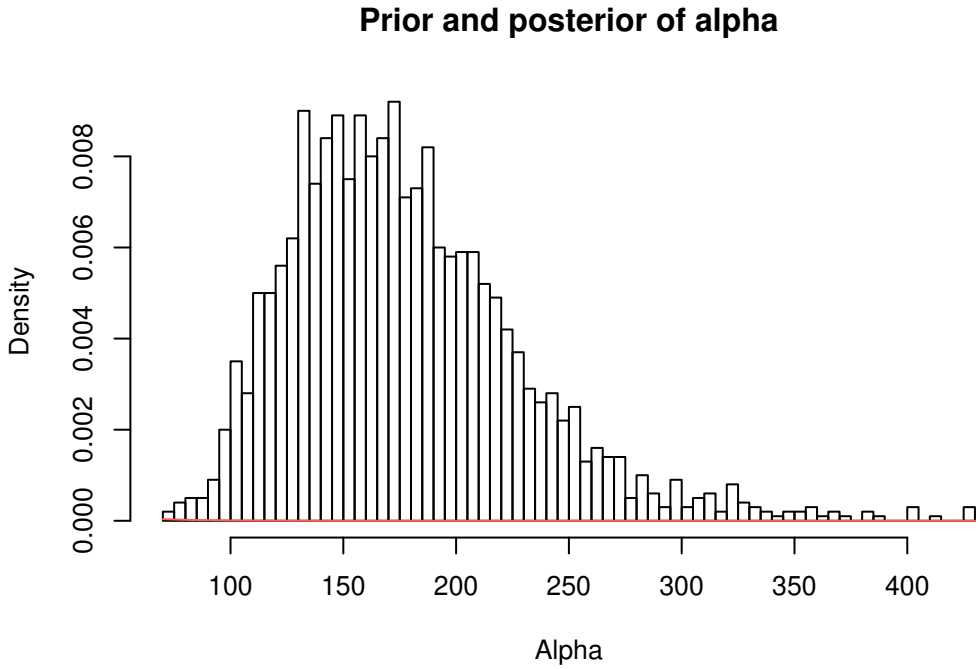

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

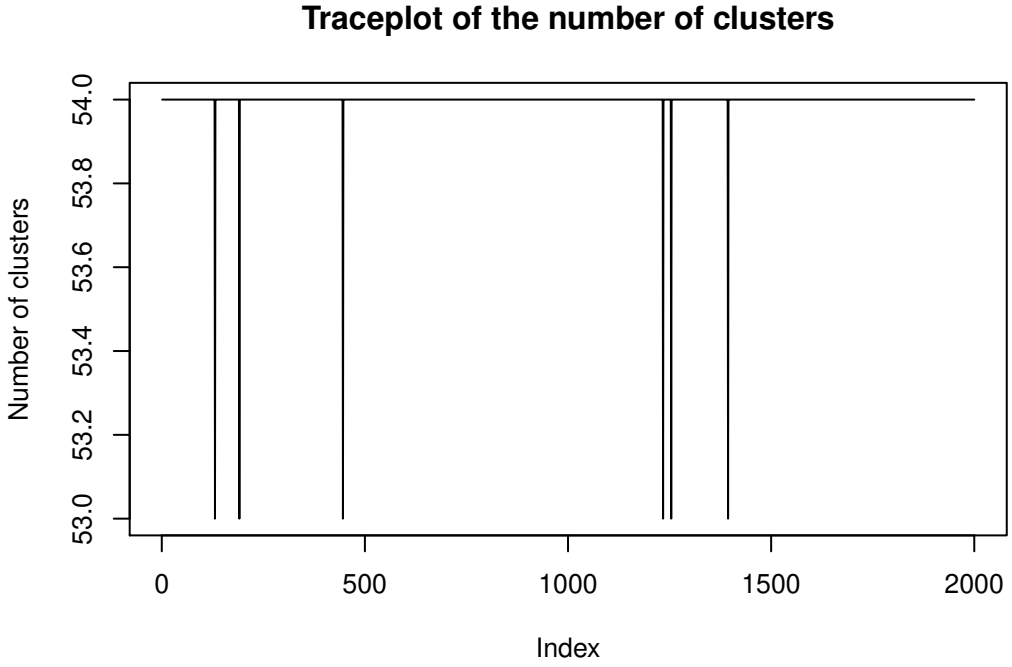

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

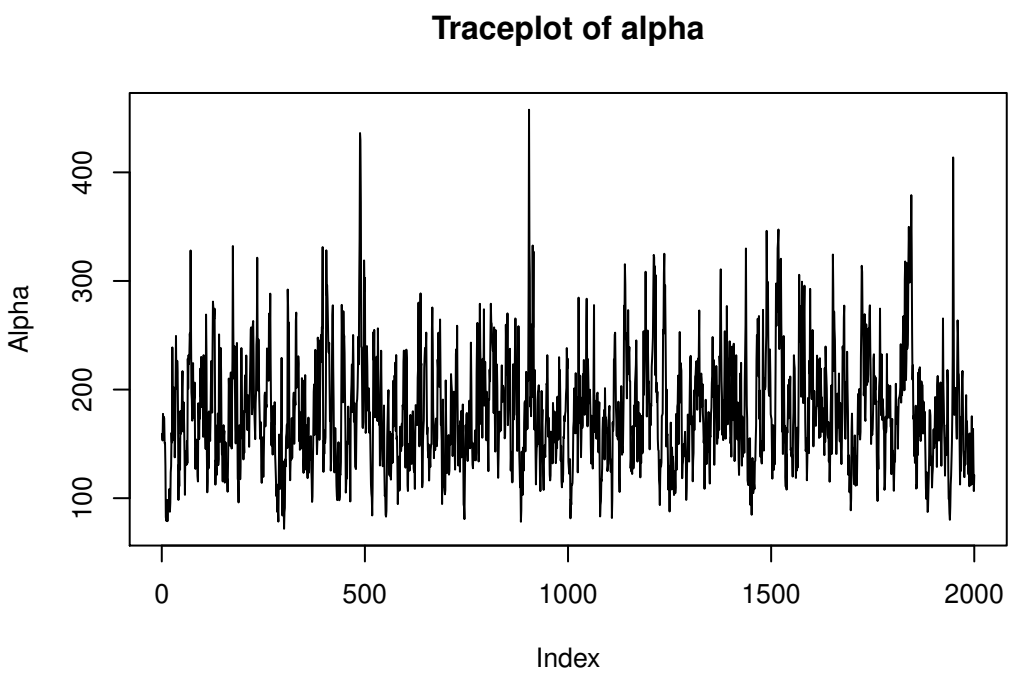

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

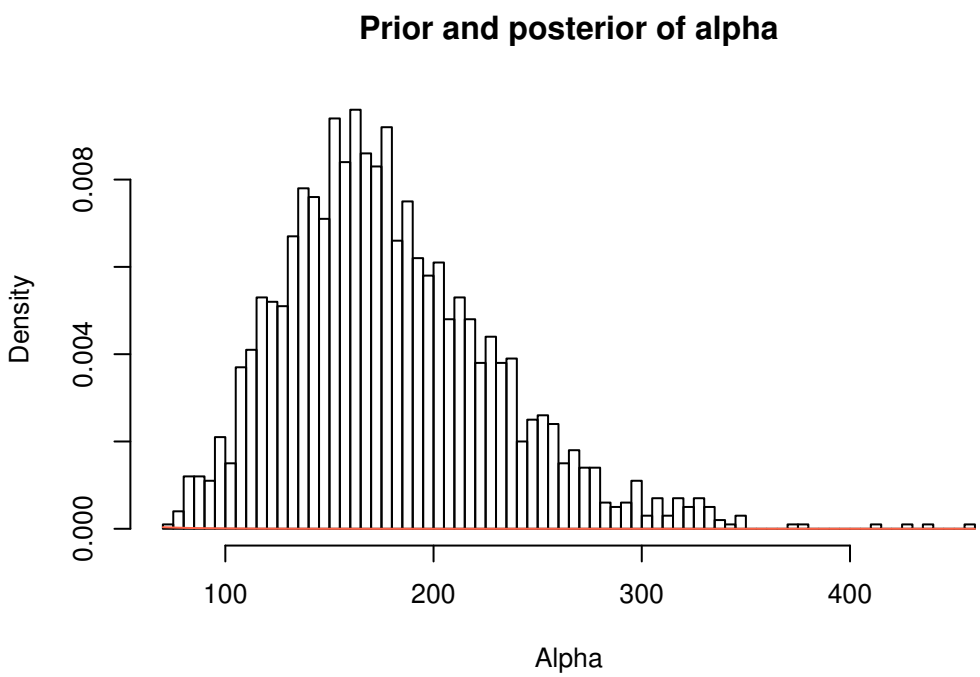

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

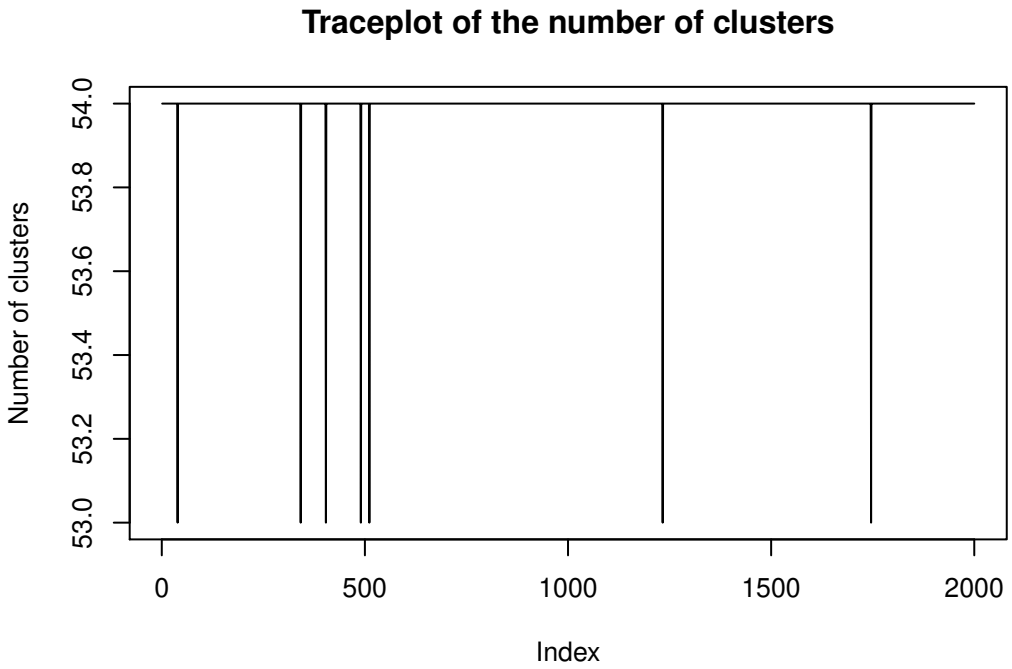

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

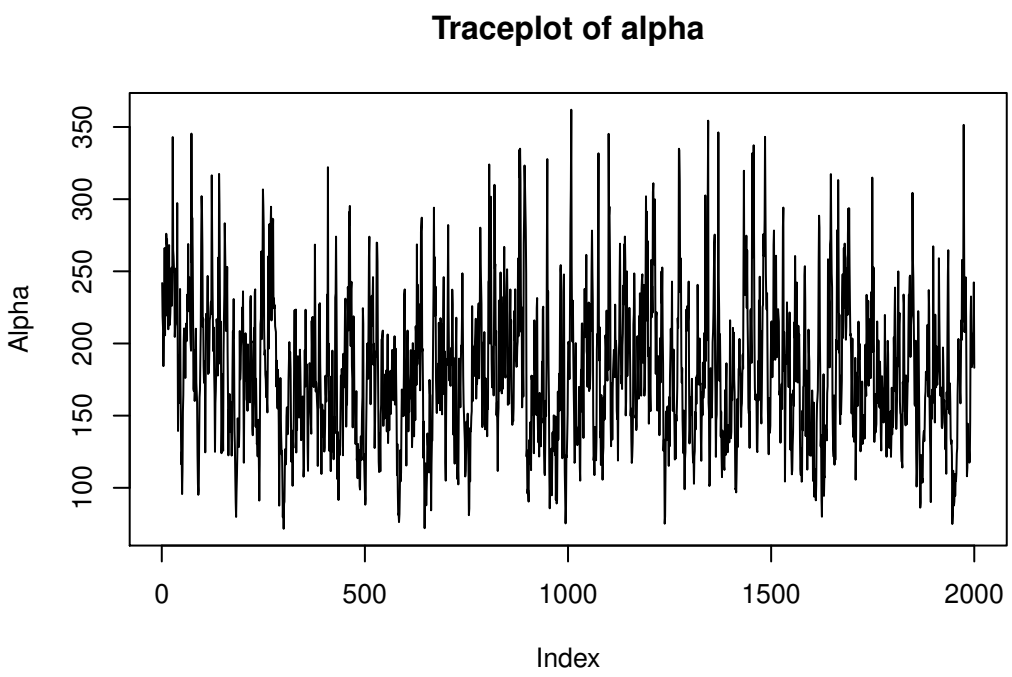

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Alpha

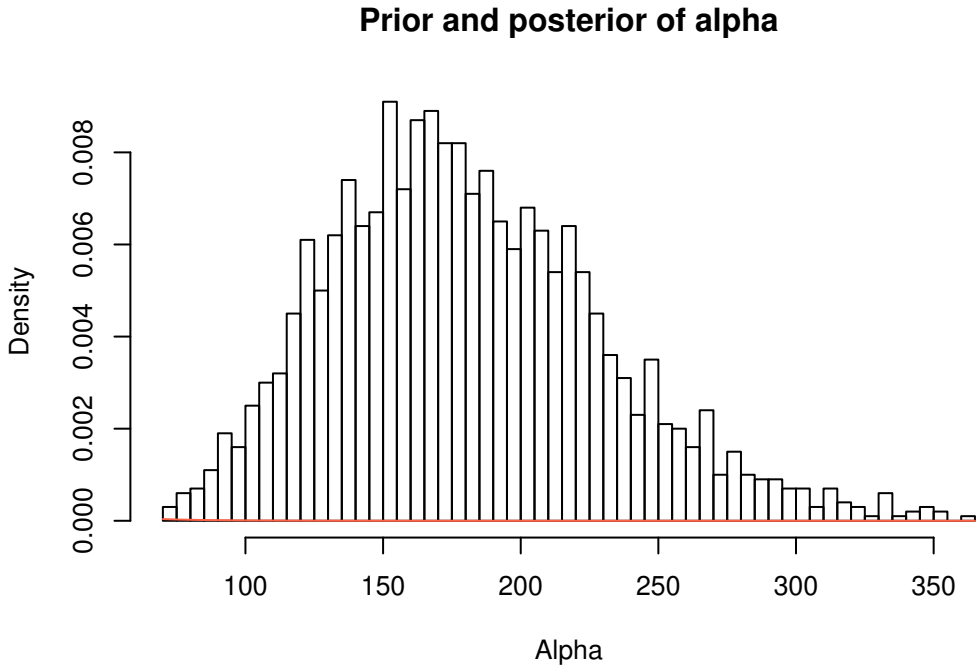

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

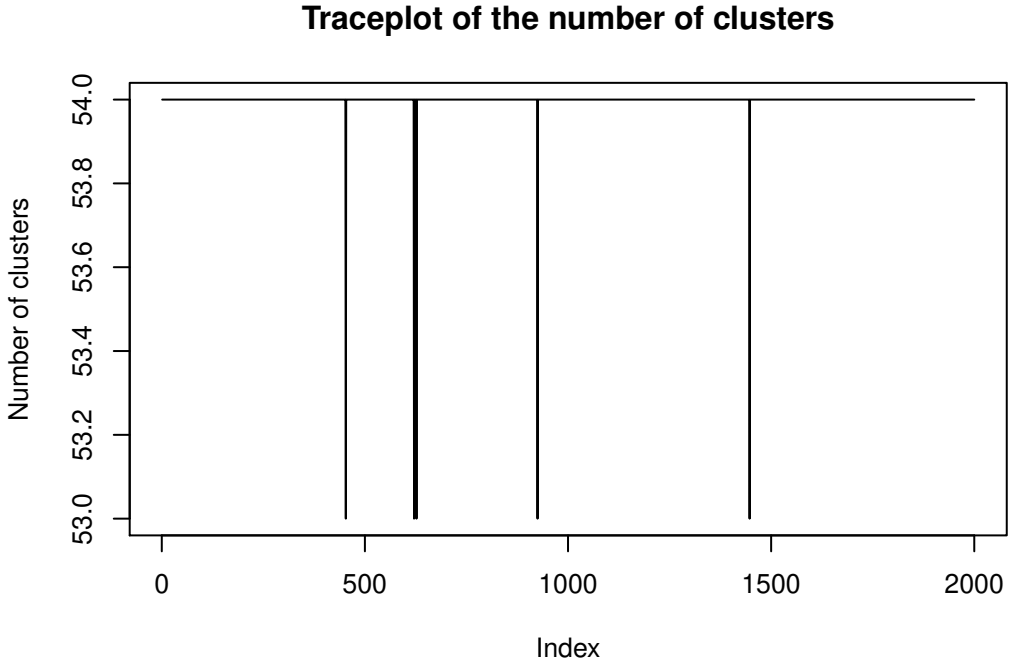

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

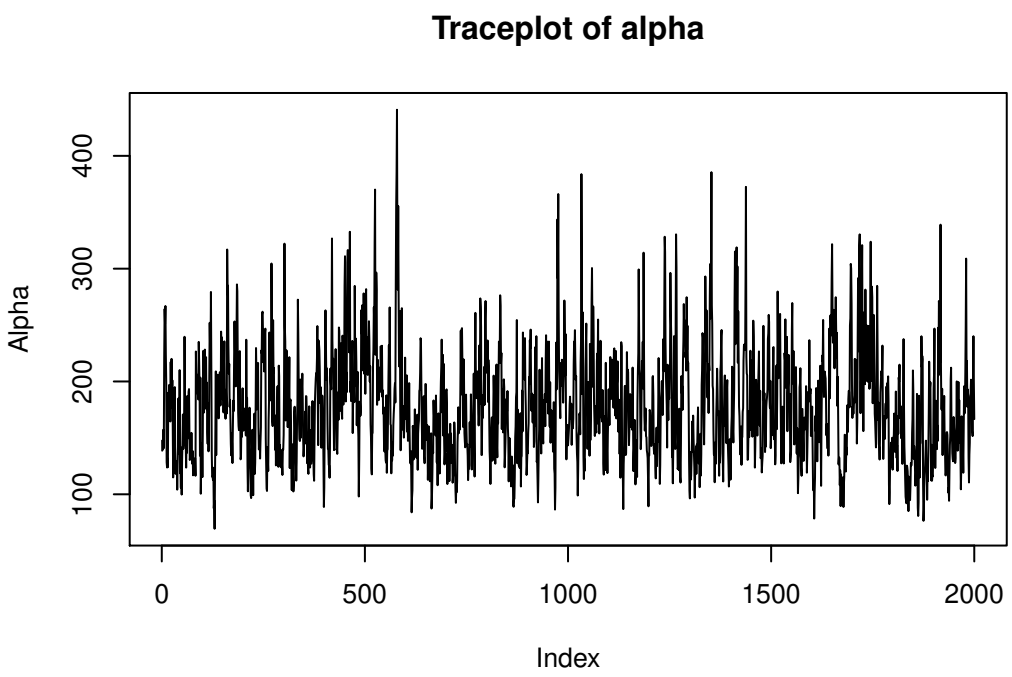

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

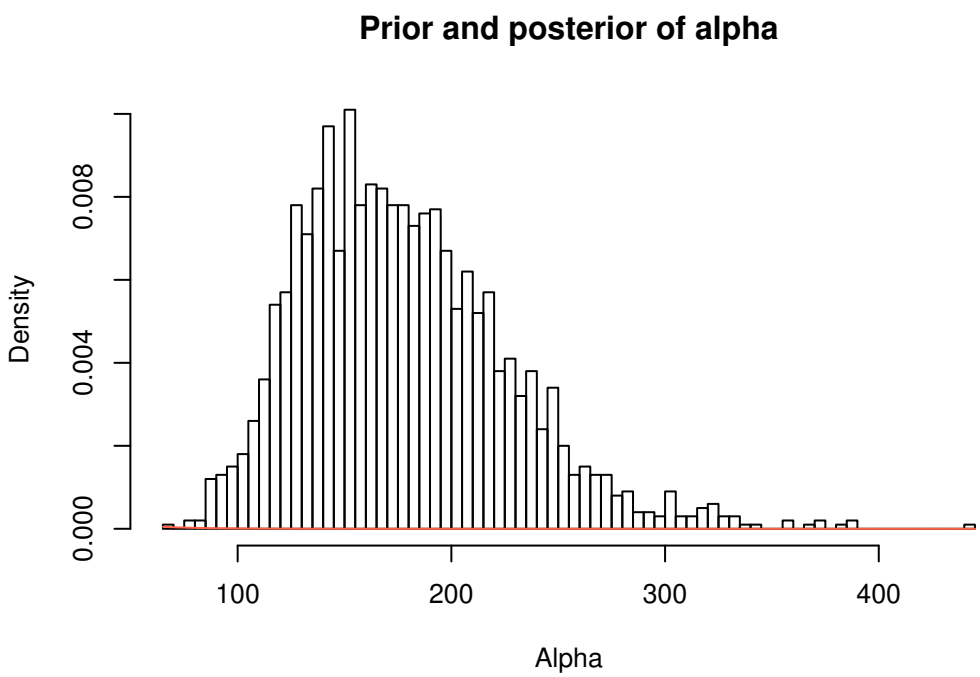

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

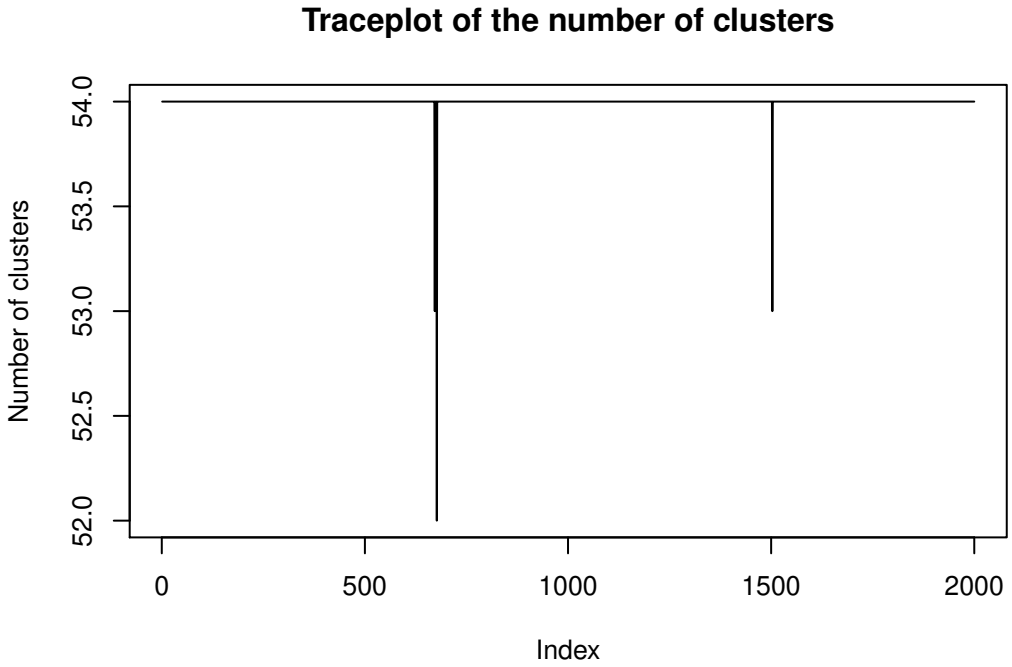

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

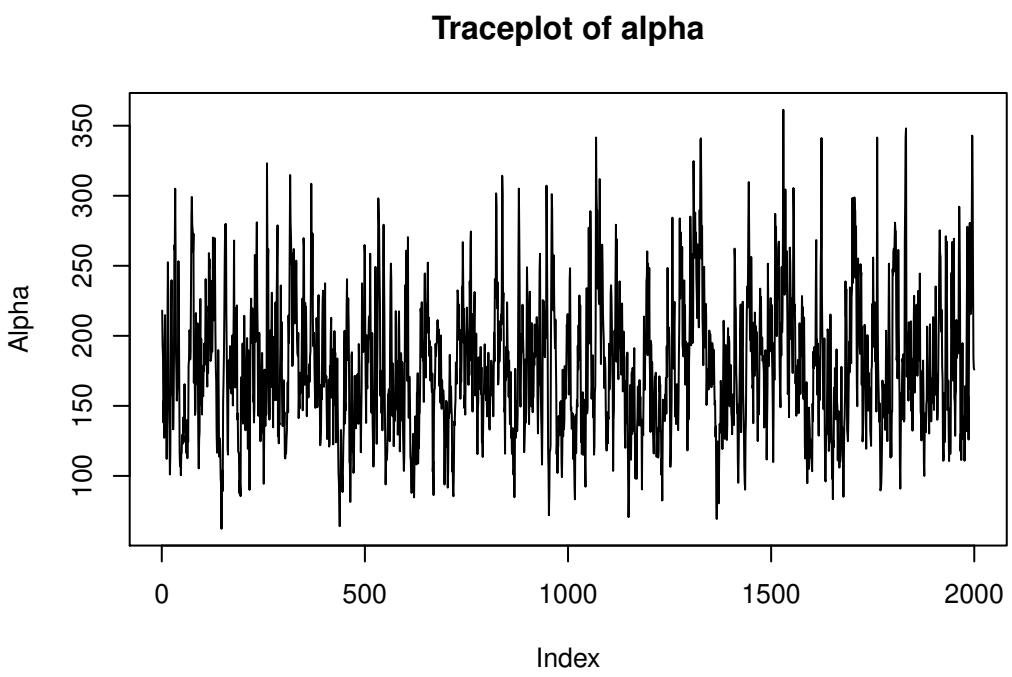

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Alpha

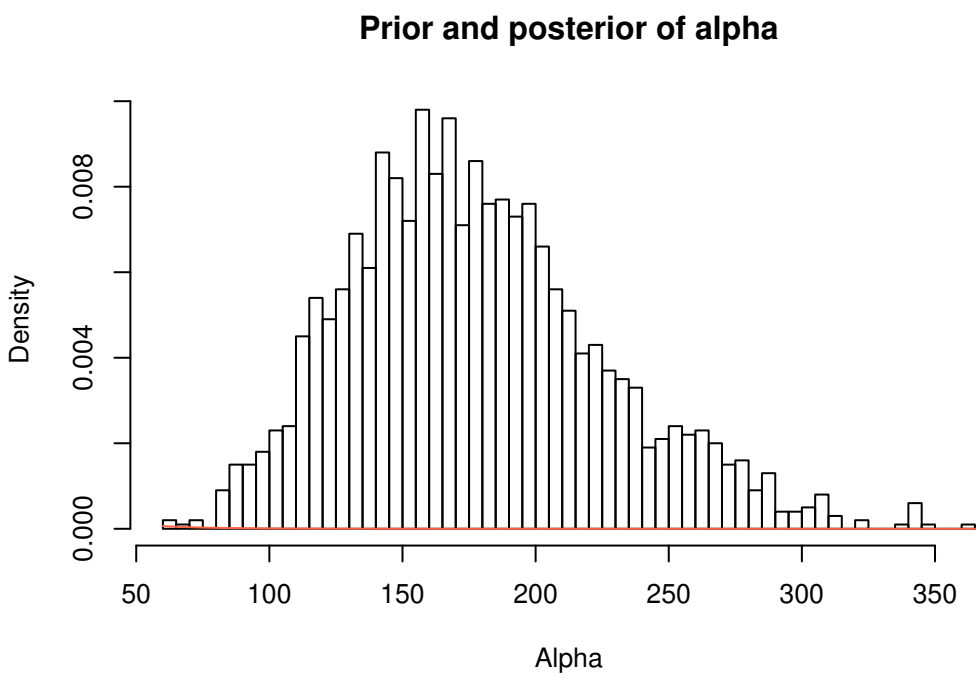

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

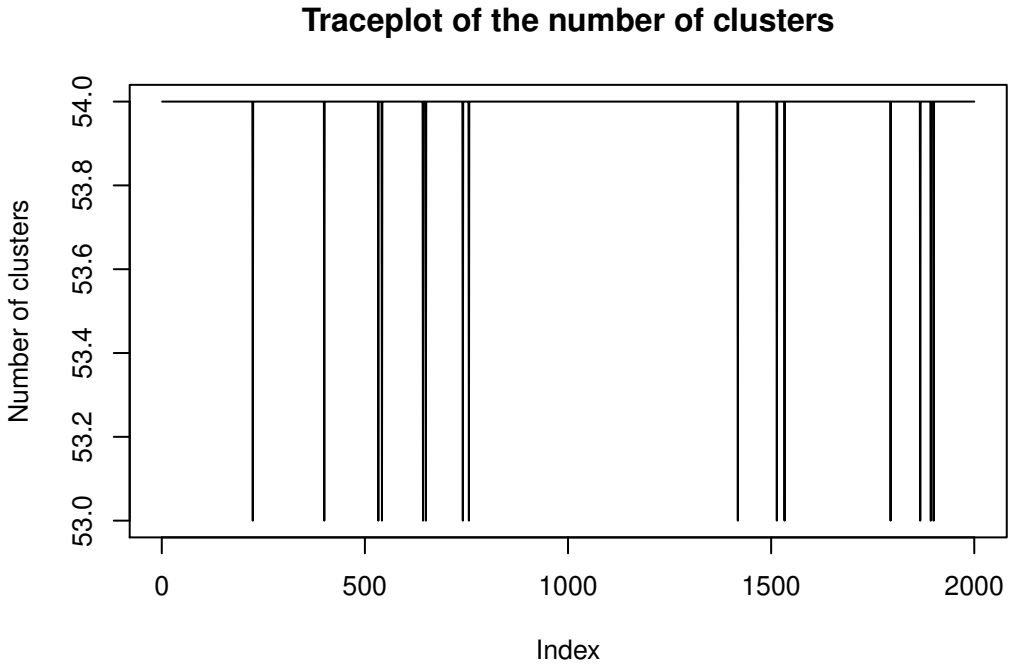

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

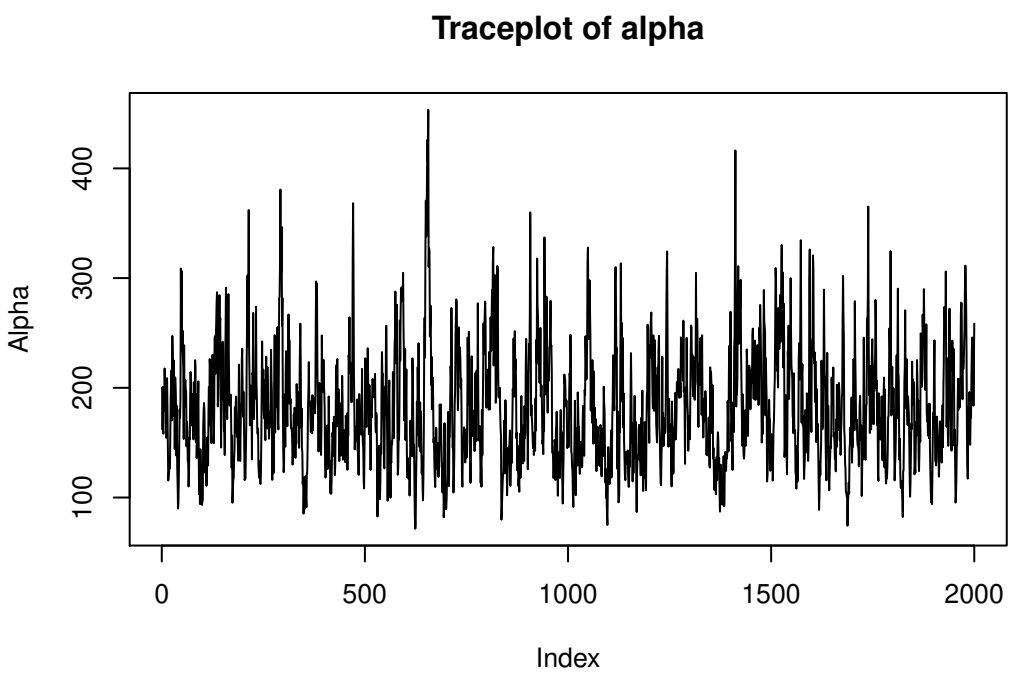

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

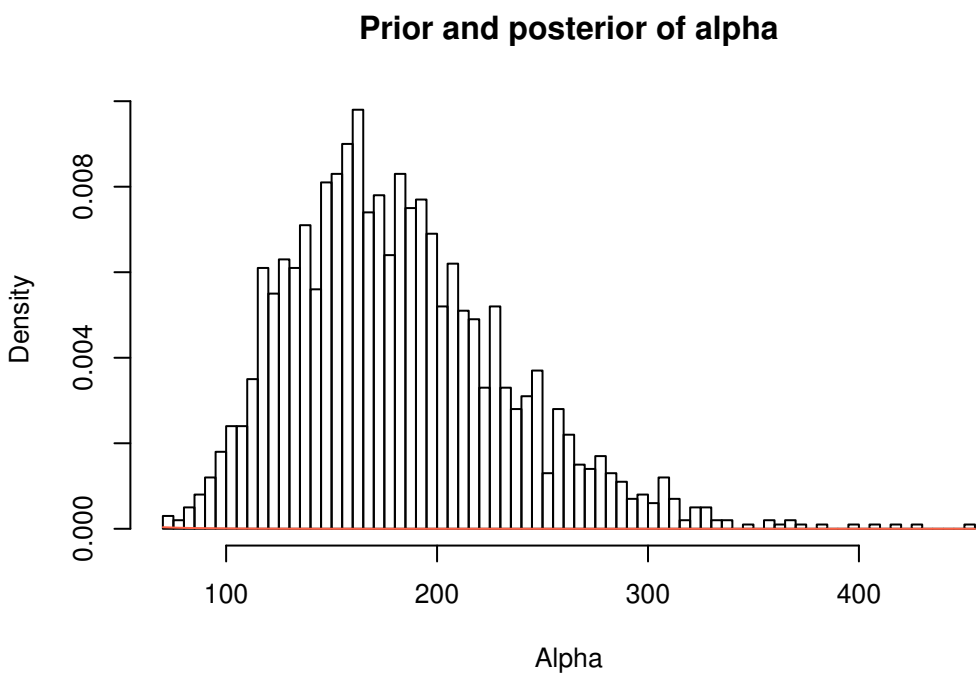

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

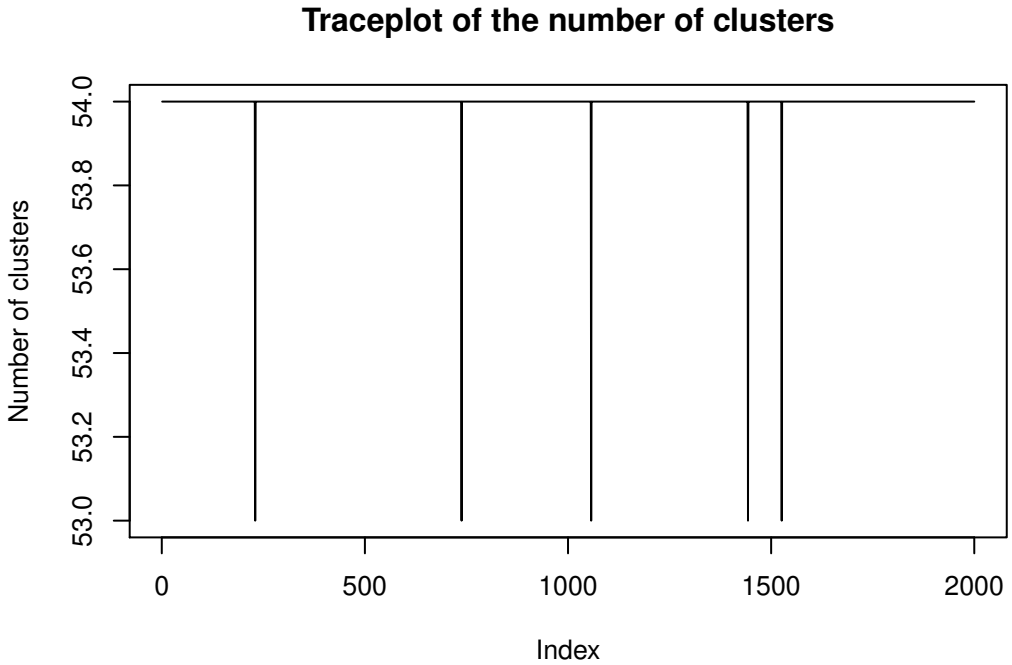

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

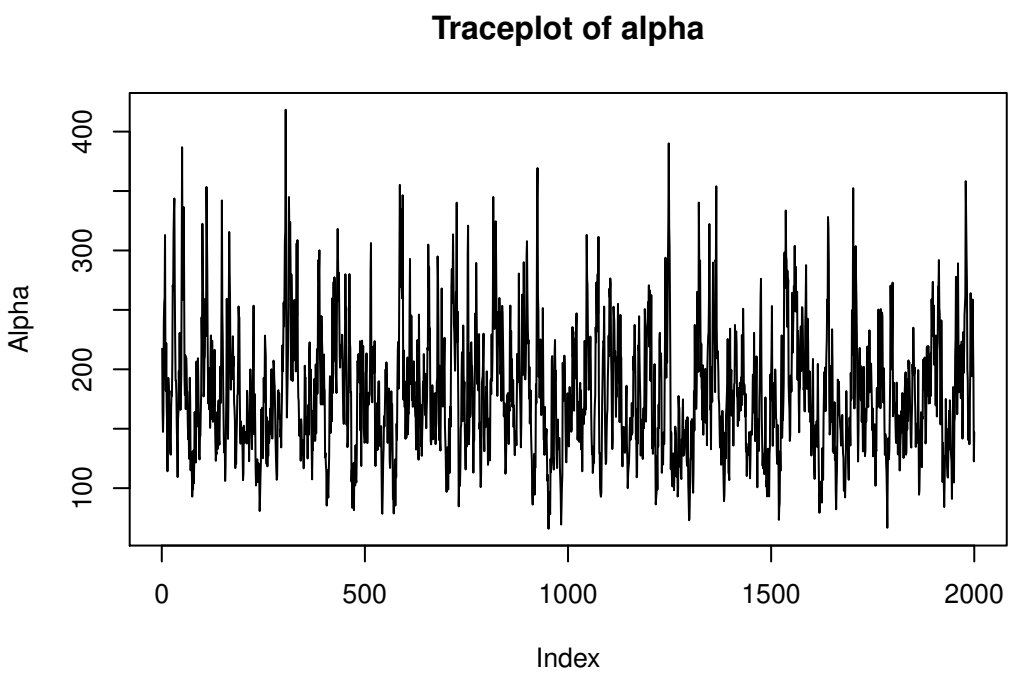

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

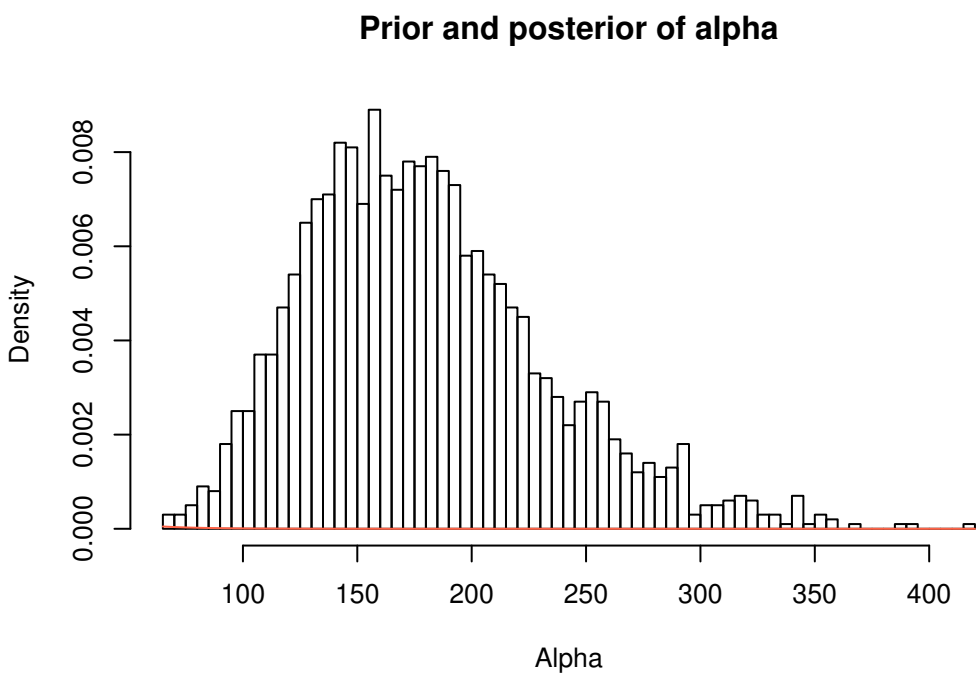

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

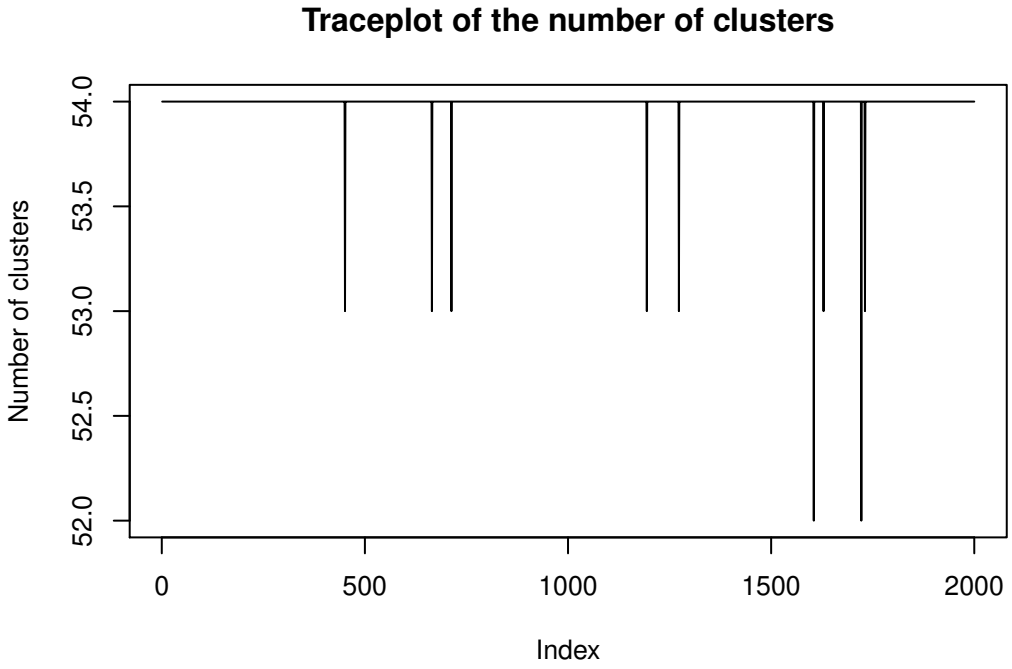

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

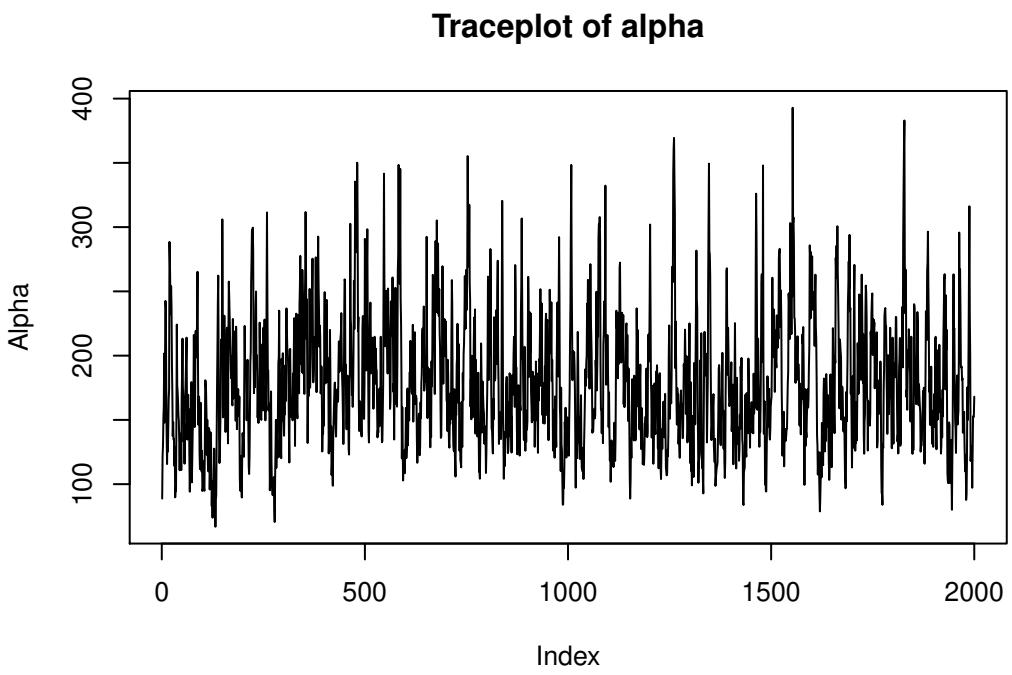

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

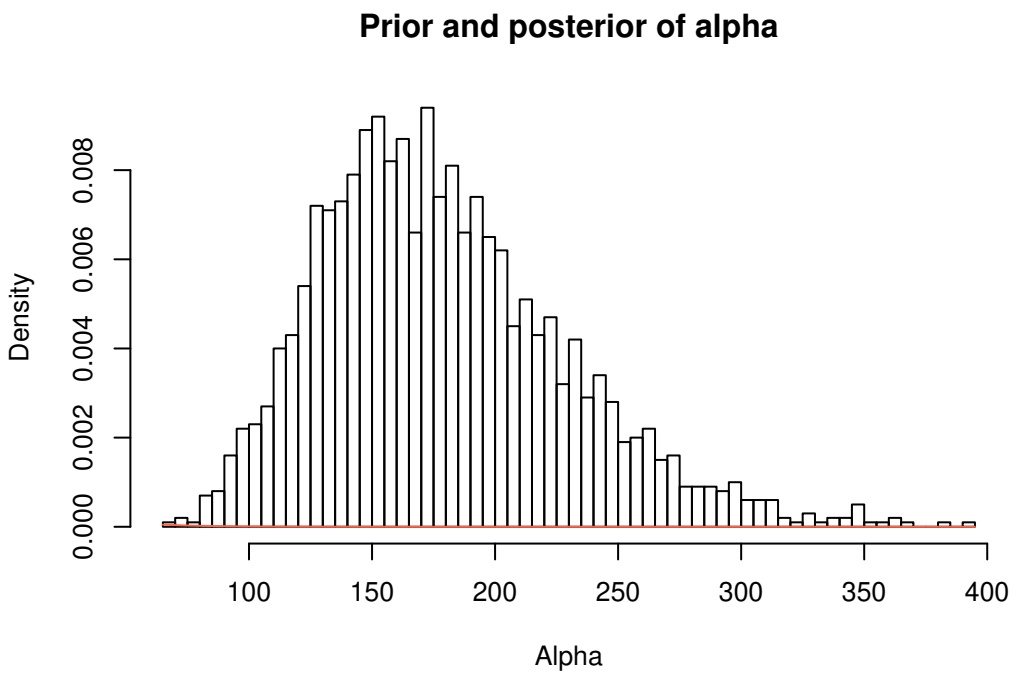

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

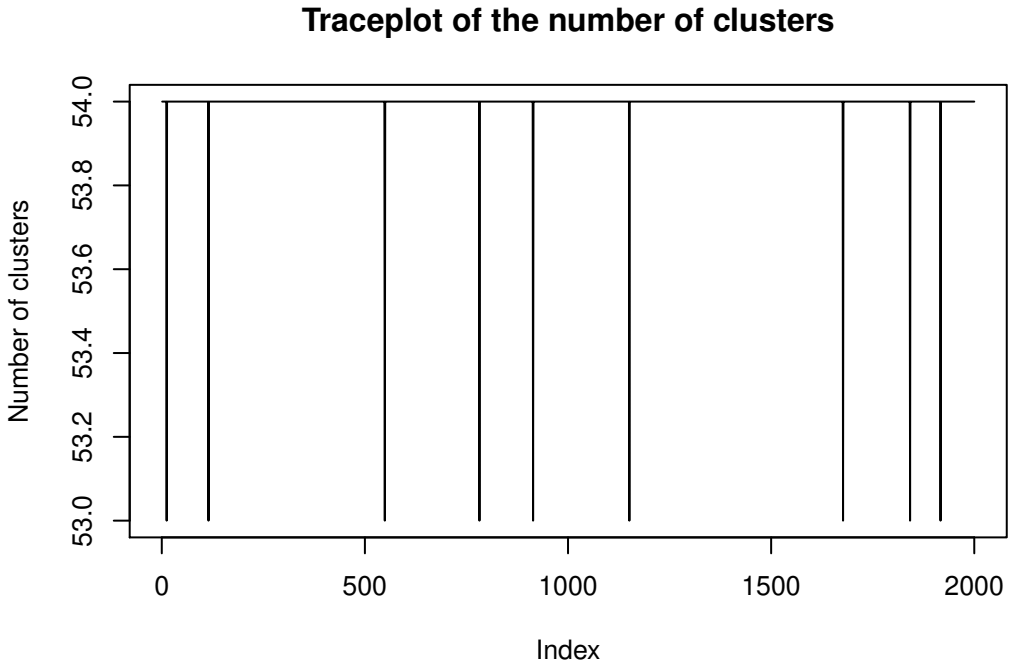

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

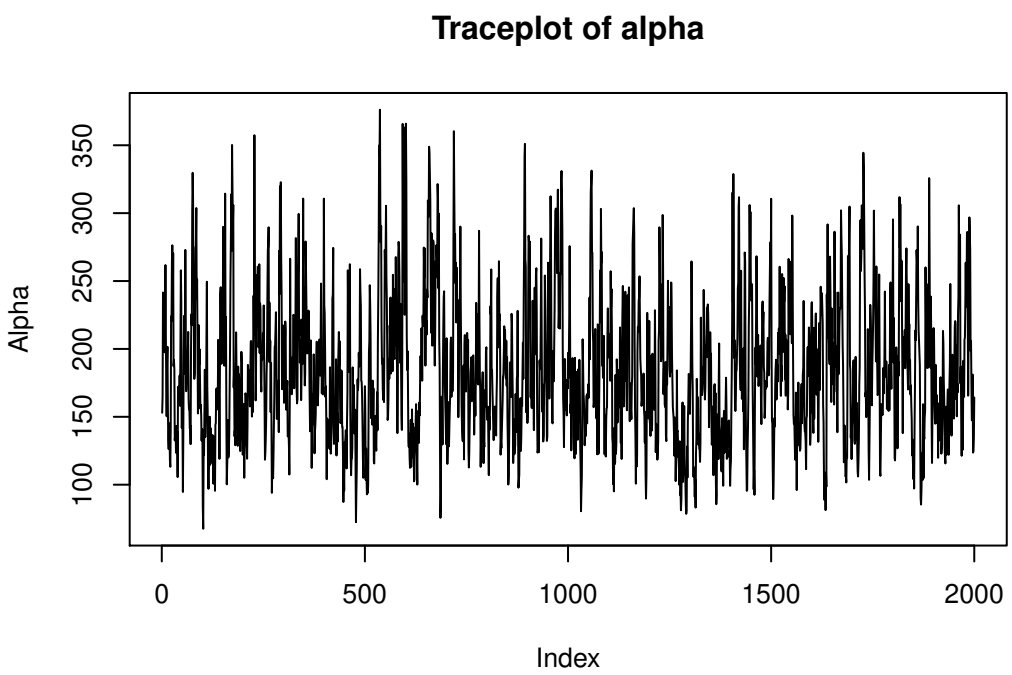

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Alpha

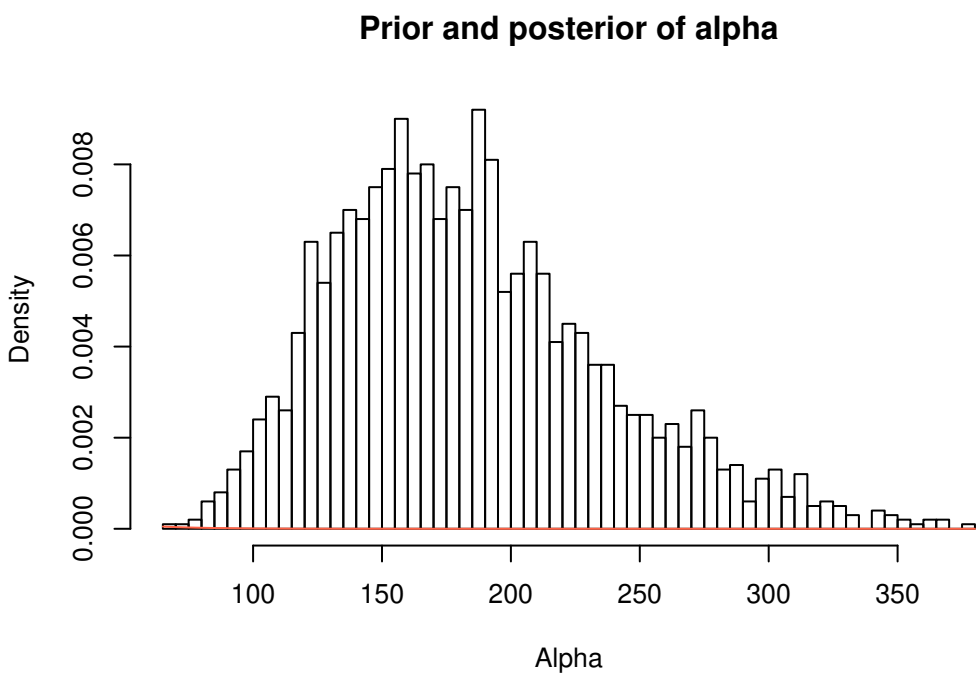

Traceplot of the number of clusters
Number of clusters
52.0
52.5
53.0
53.5
54.0
0
500
1000
1500
2000
Index

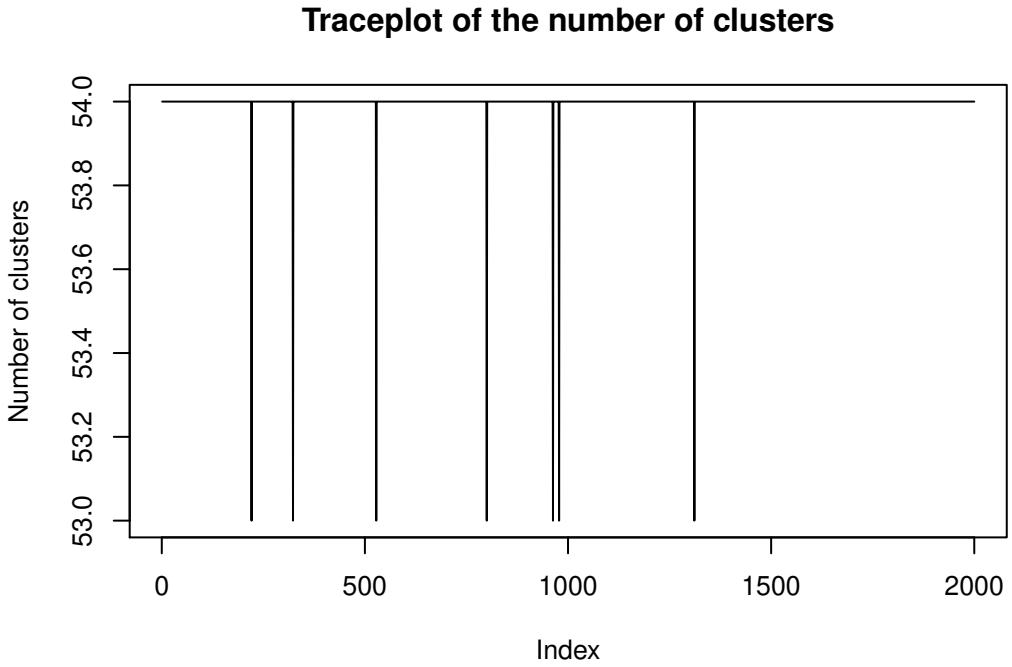

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

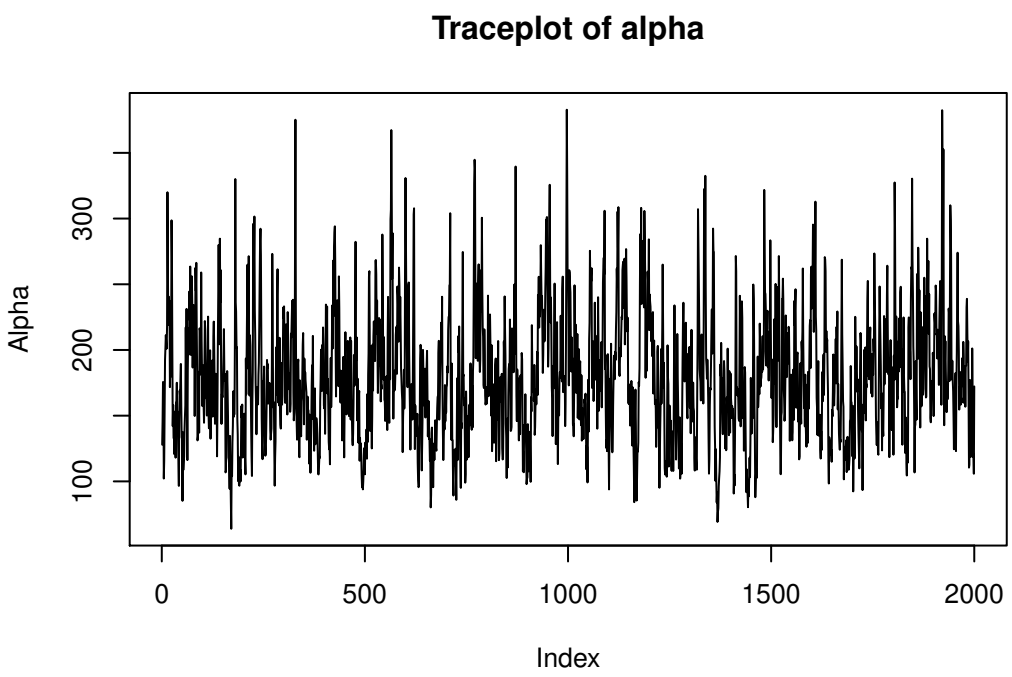

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
400
Alpha

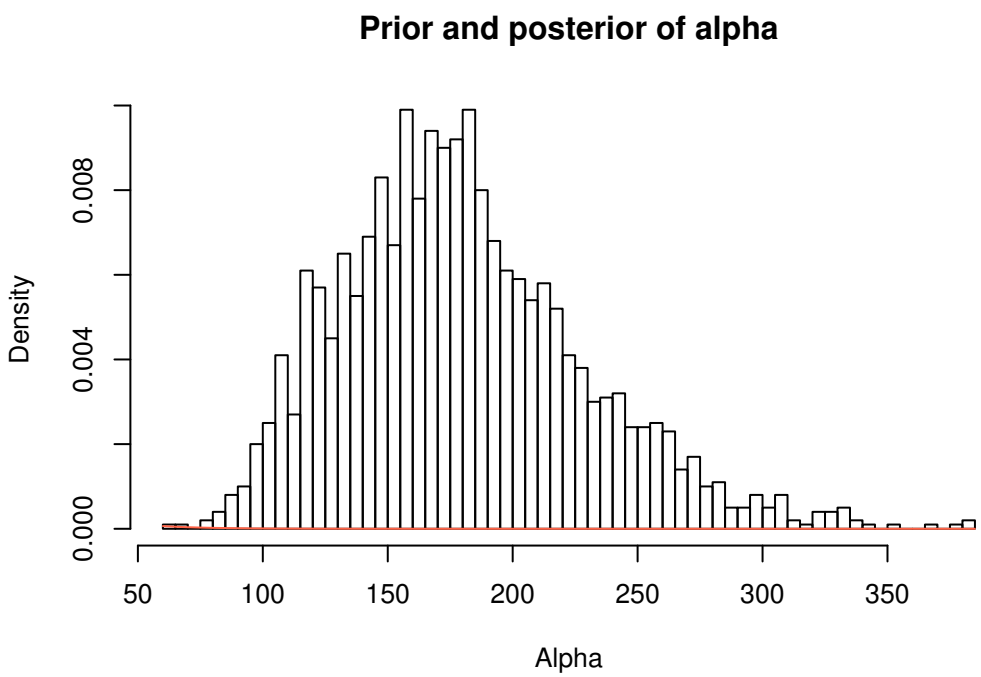

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

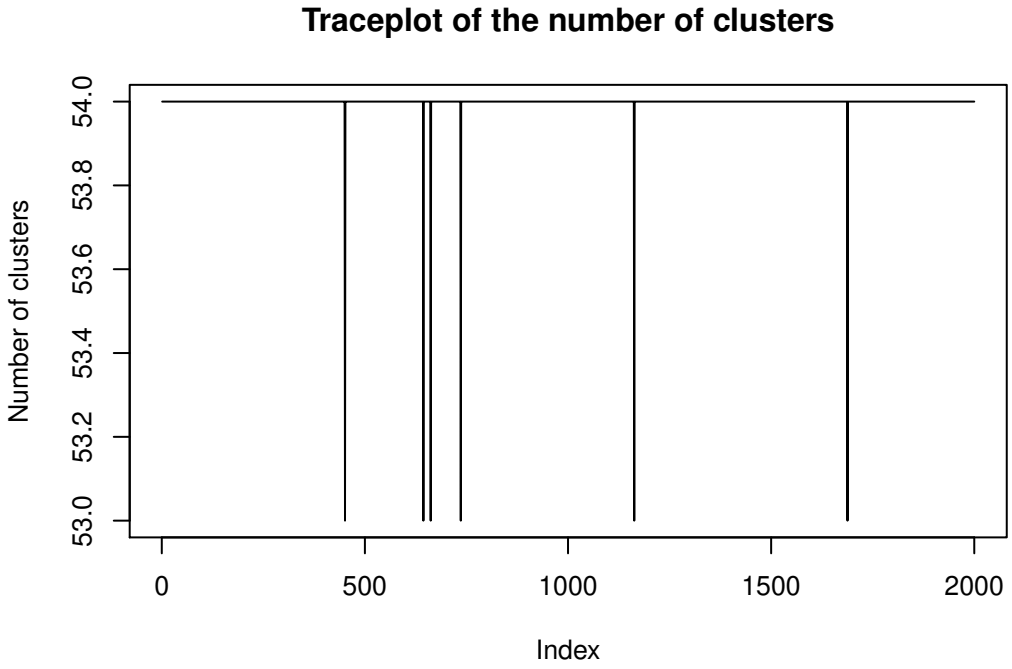

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

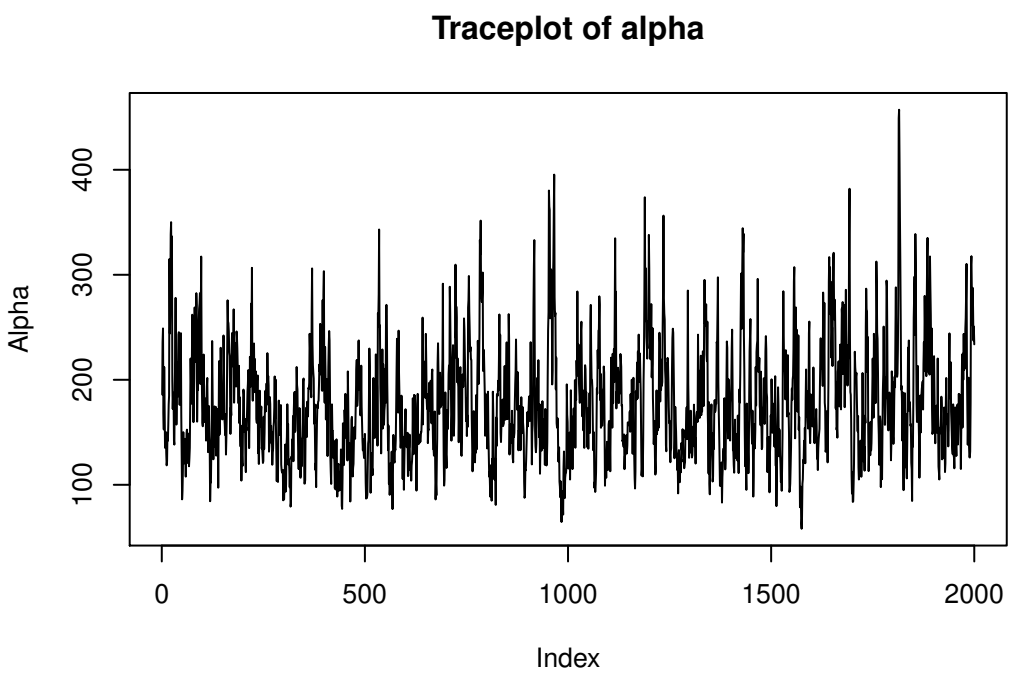

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Alpha

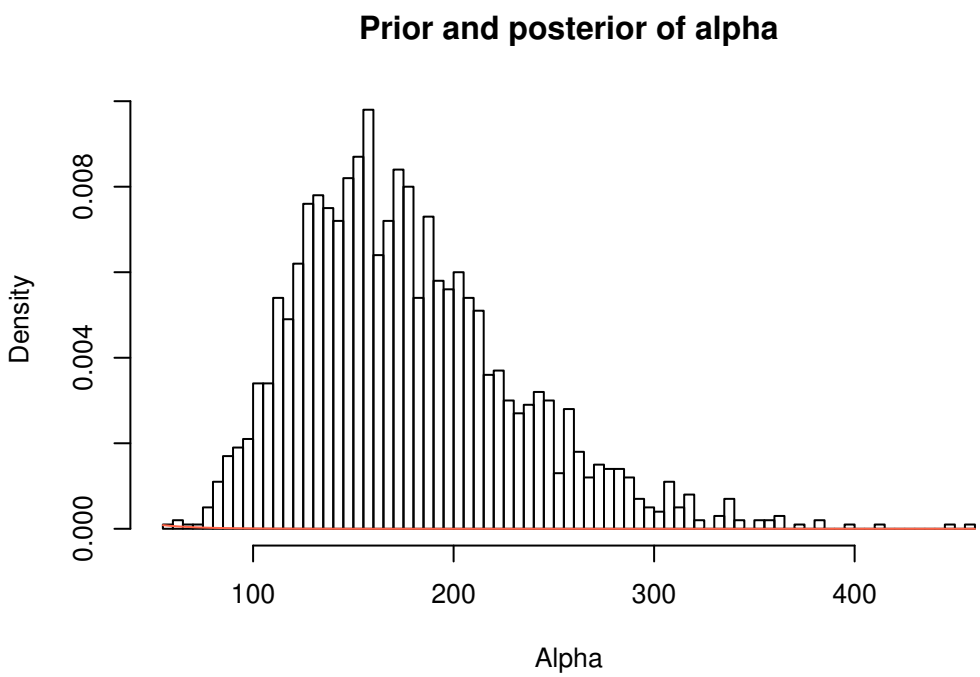

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

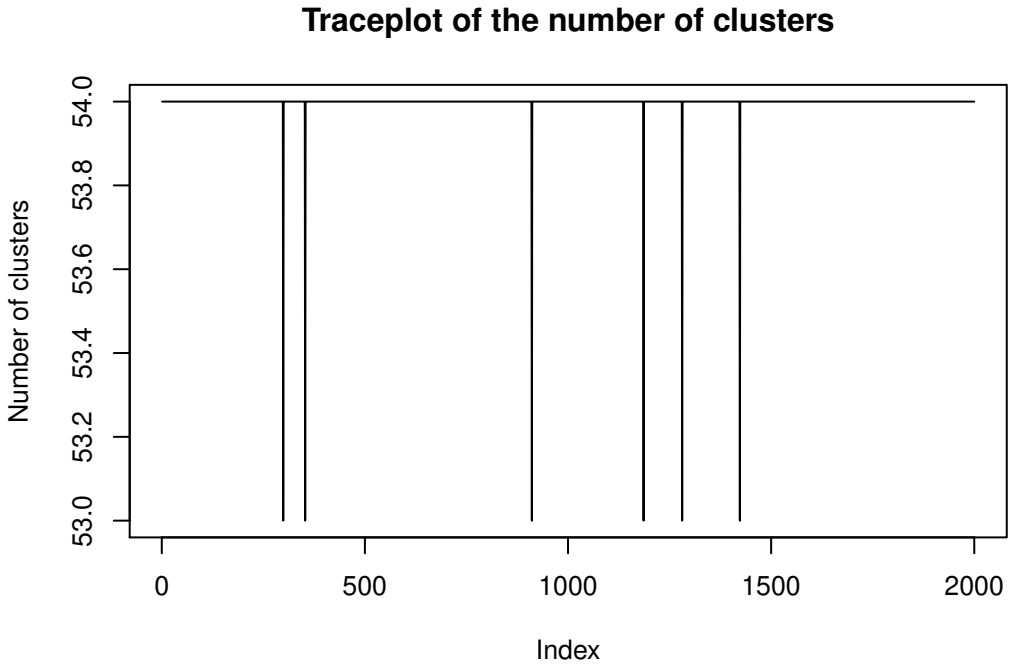

Traceplot of alpha
Alpha
100
200
300
0
500
1000
1500
2000
Index

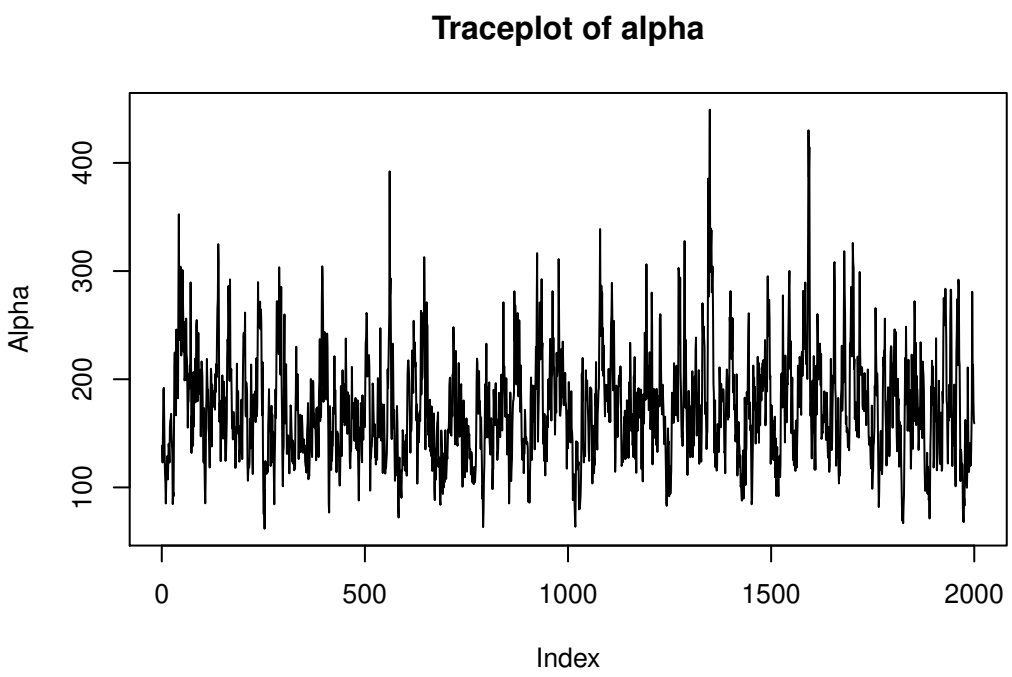

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

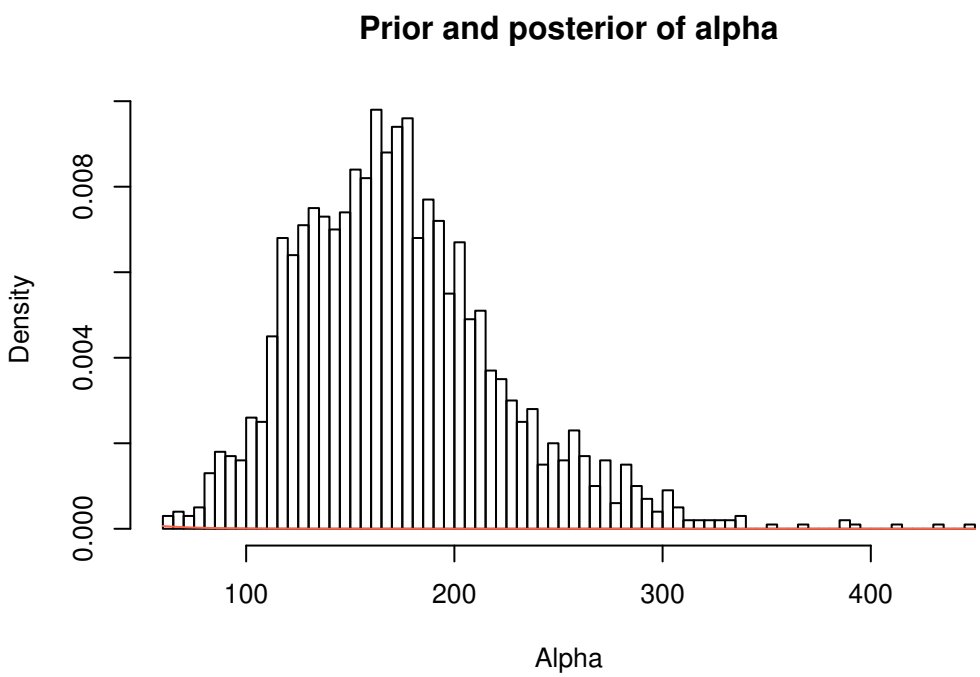

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

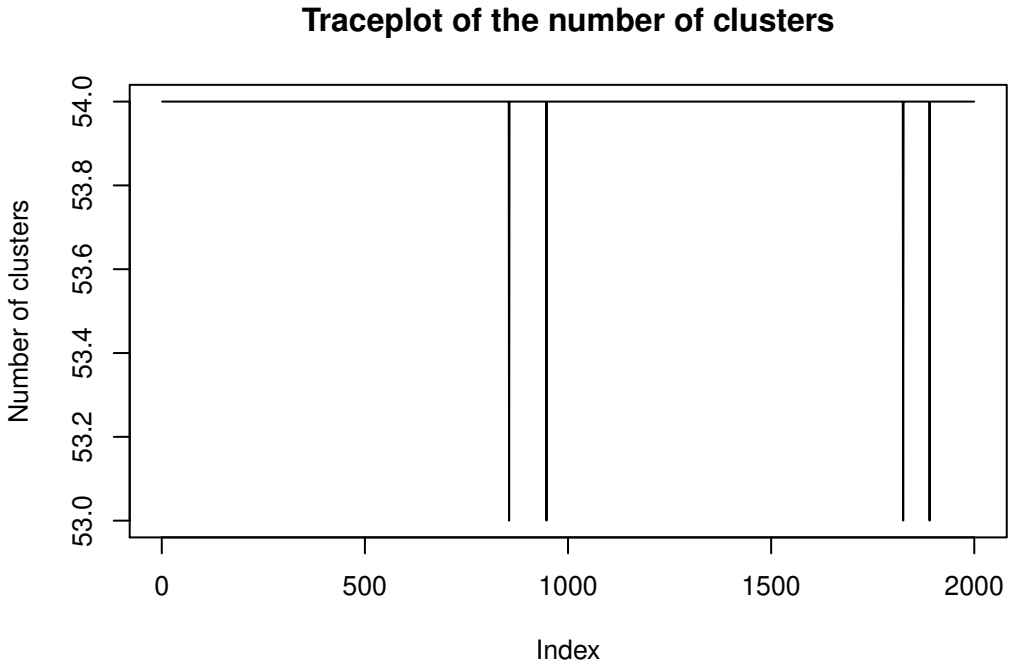

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

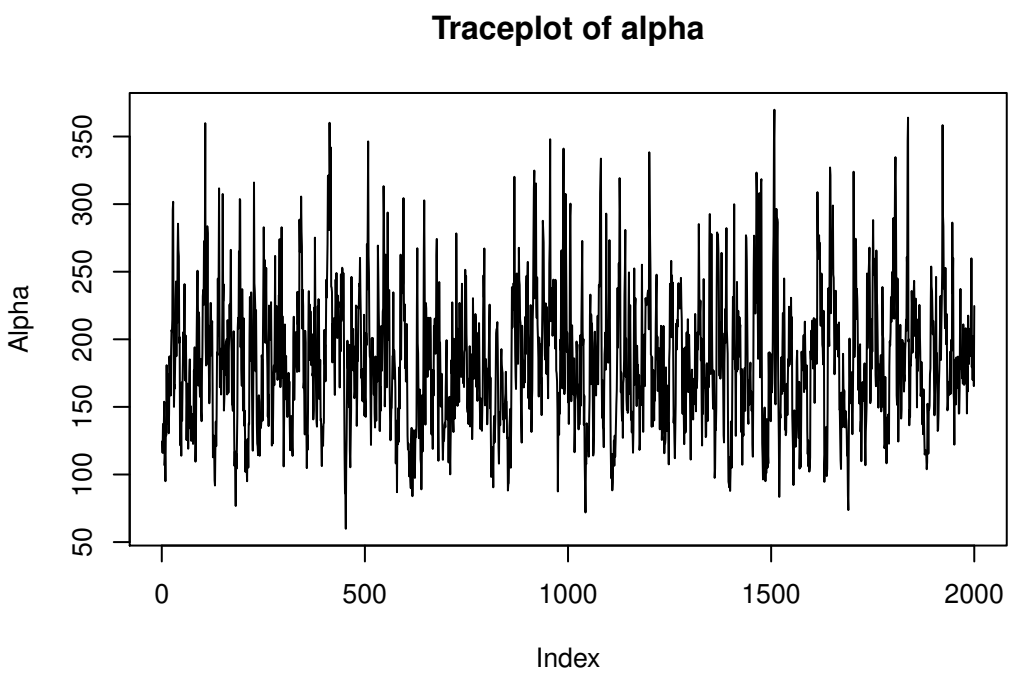

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

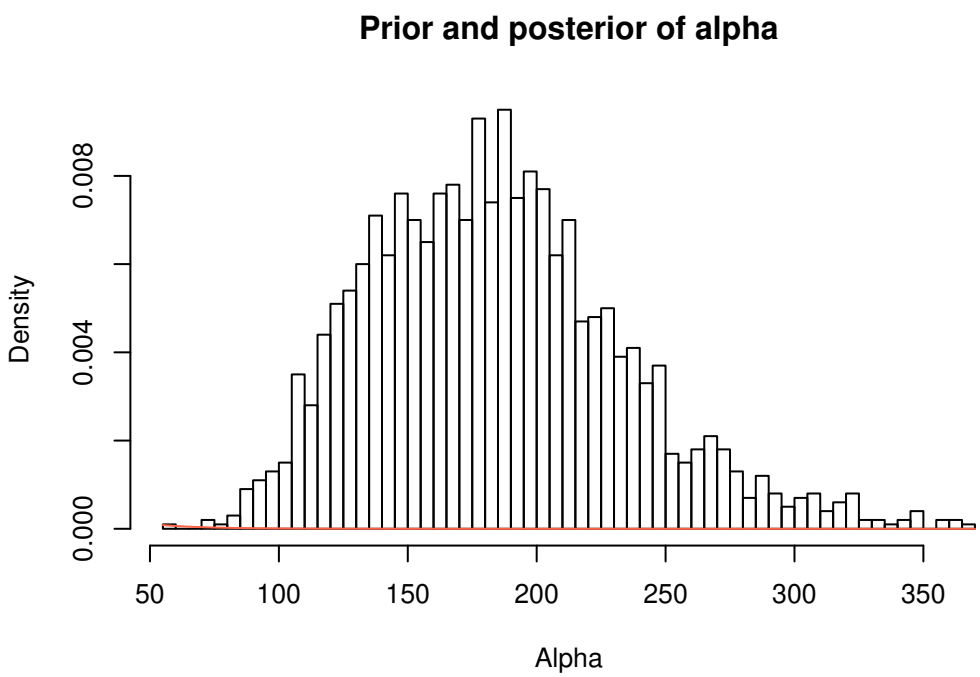

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

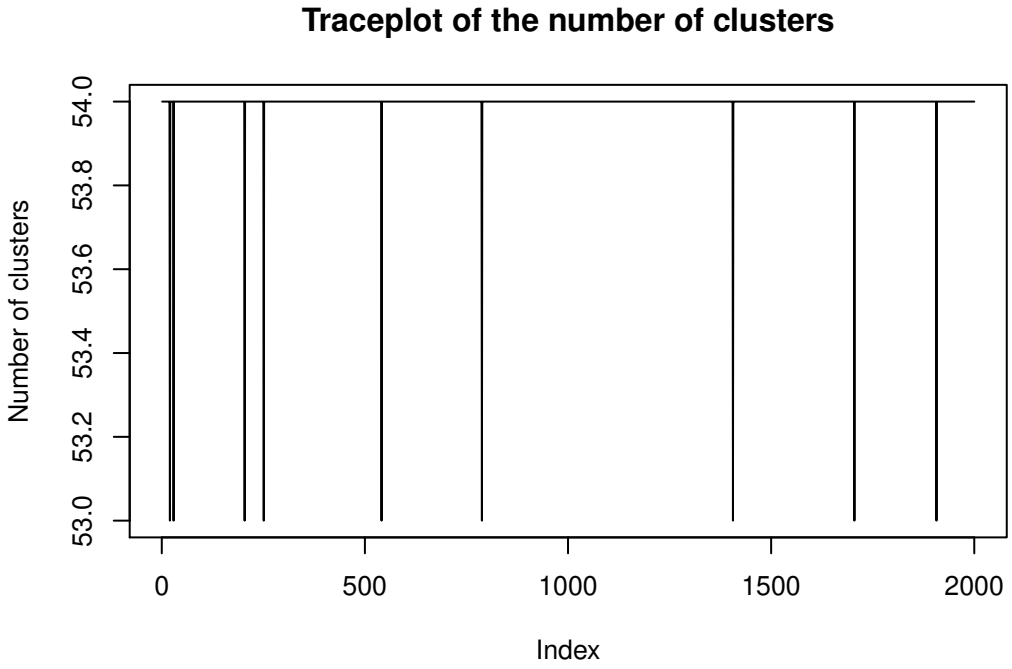

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

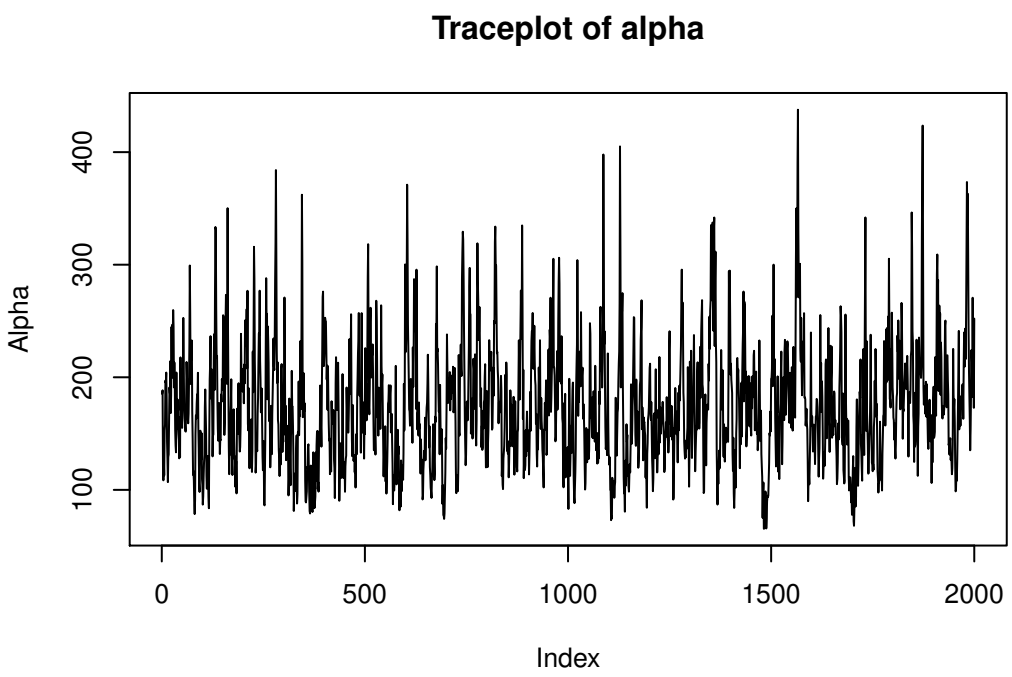

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

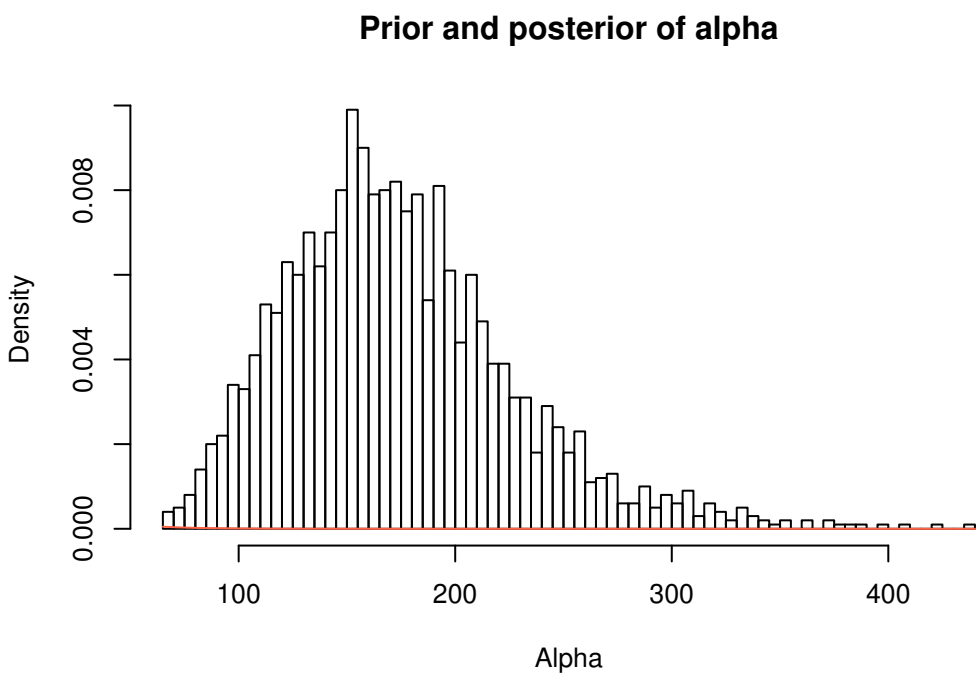

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

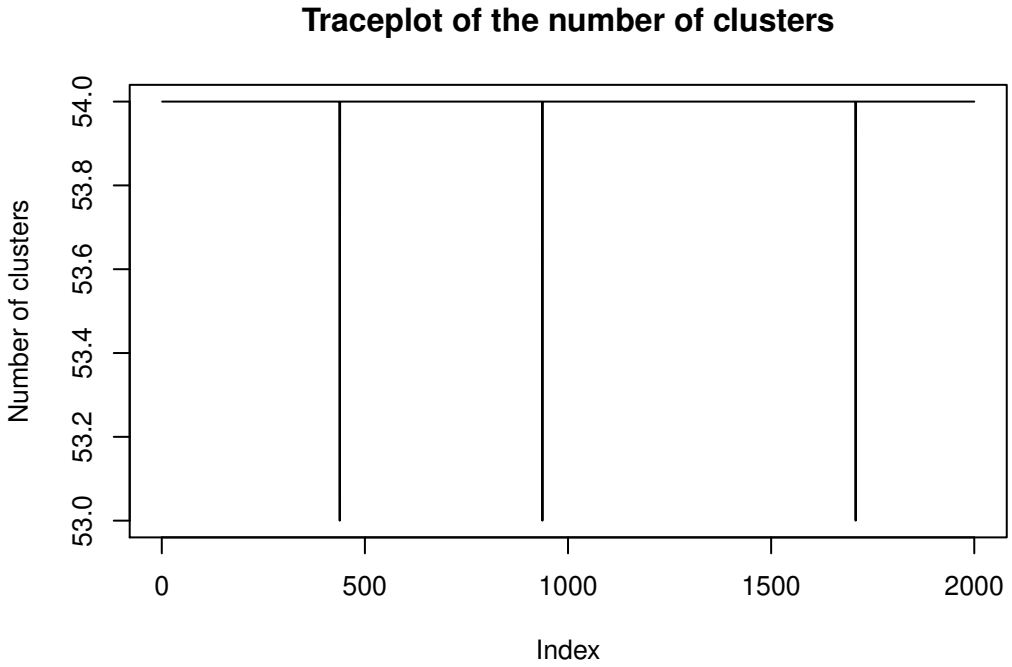

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

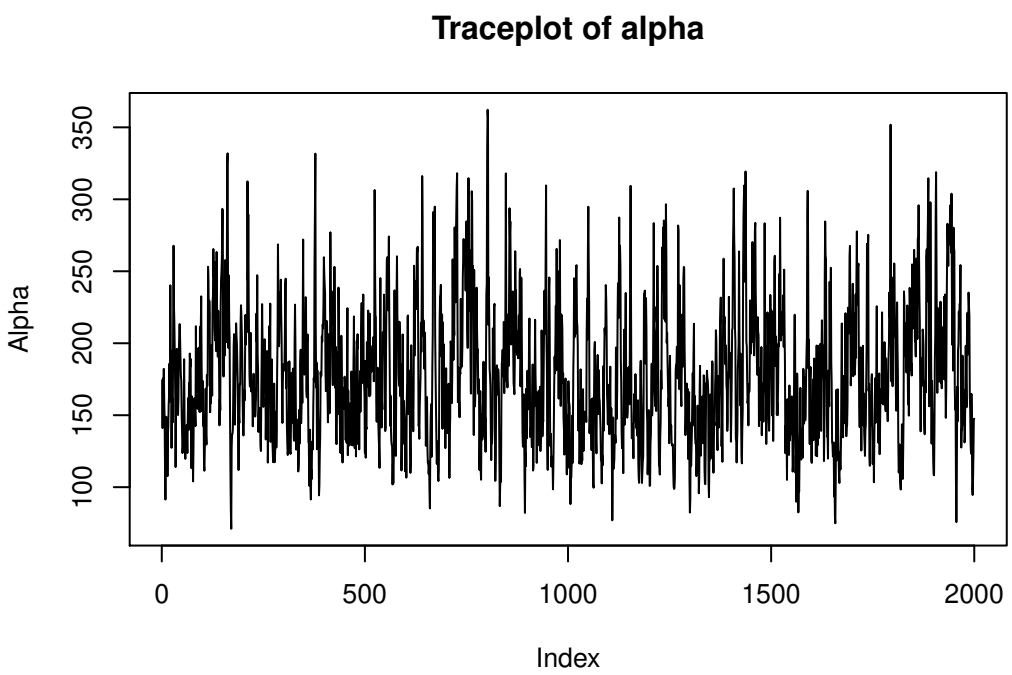

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

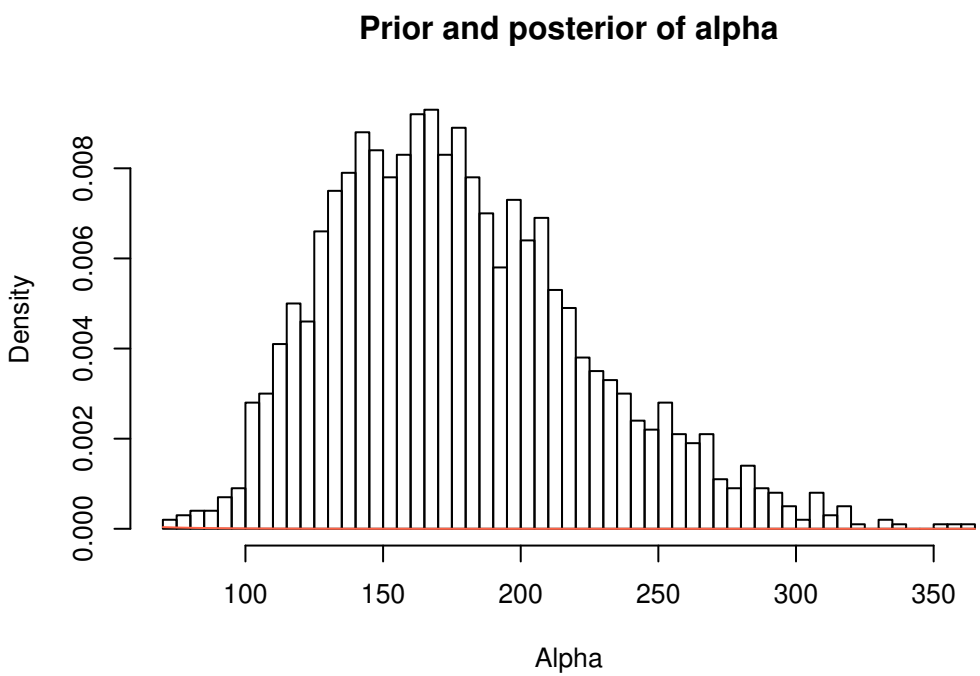

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

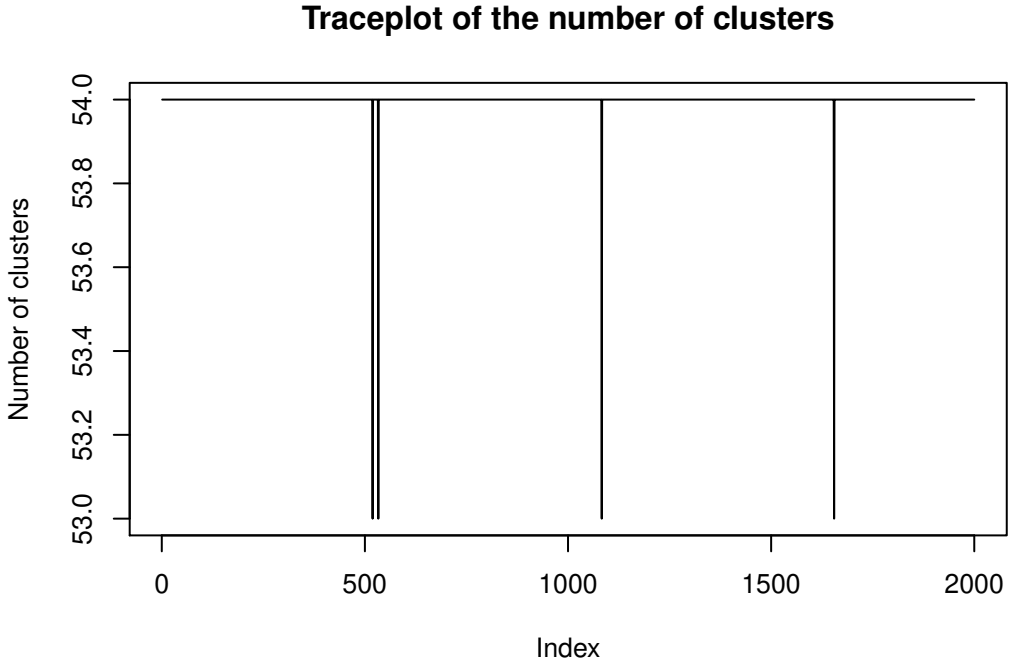

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

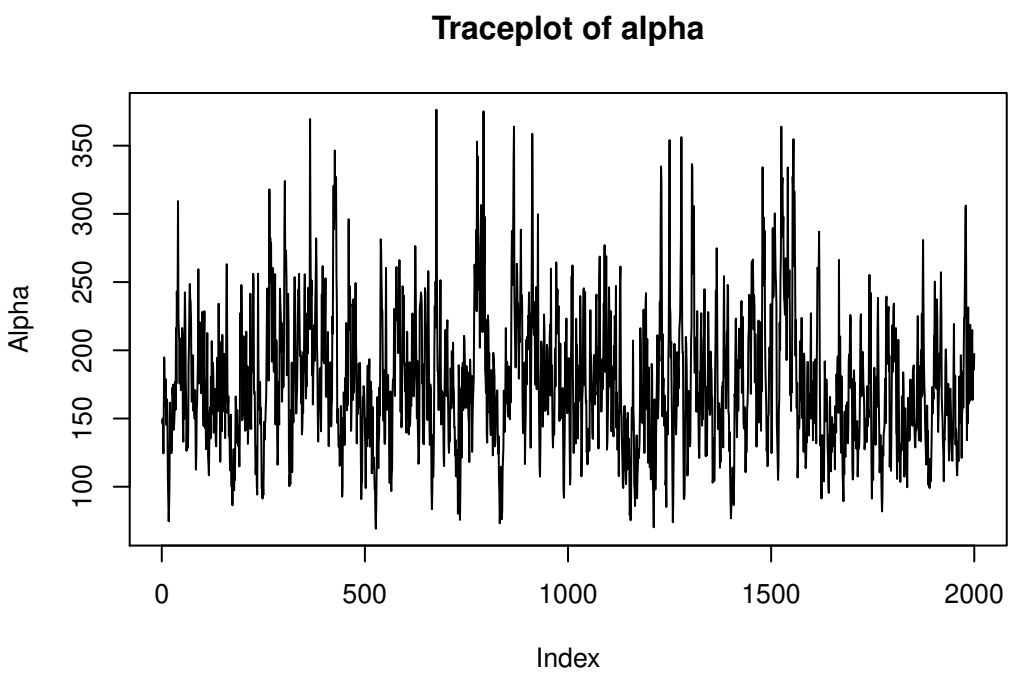

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

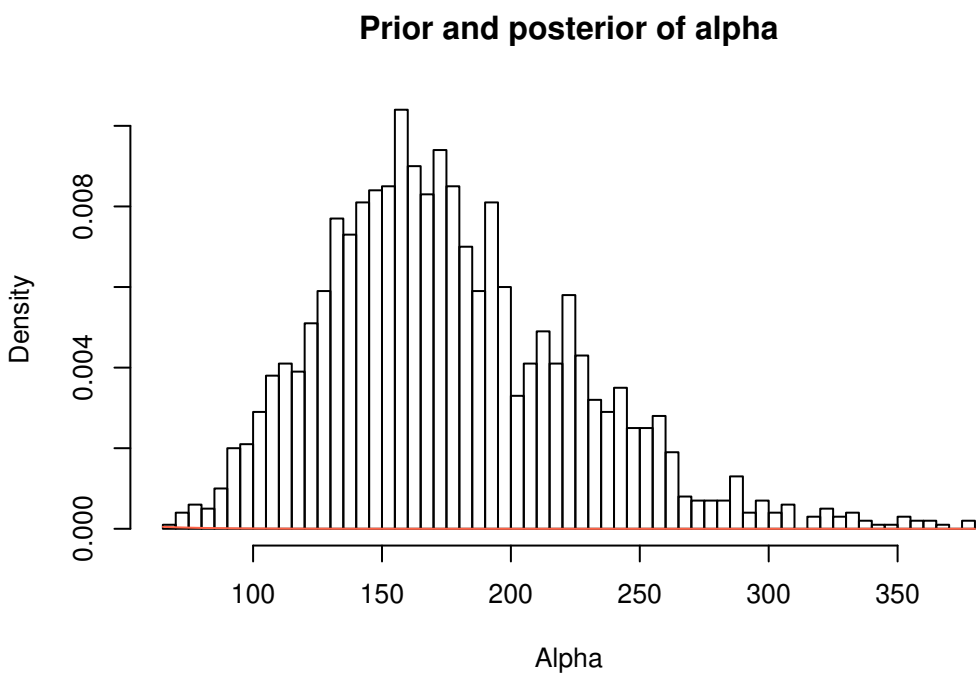

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

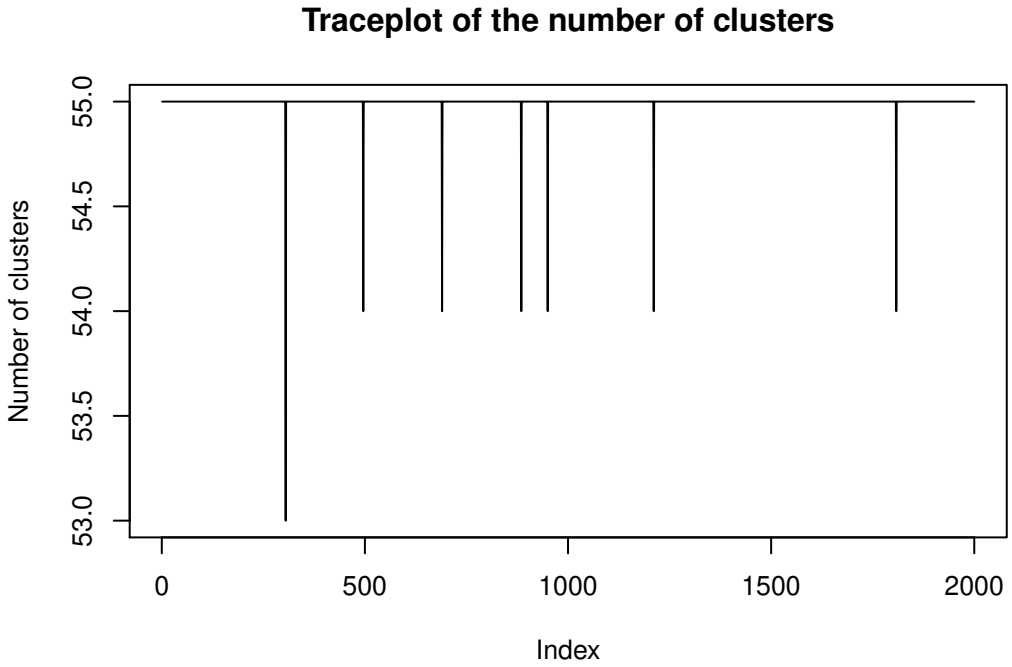

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

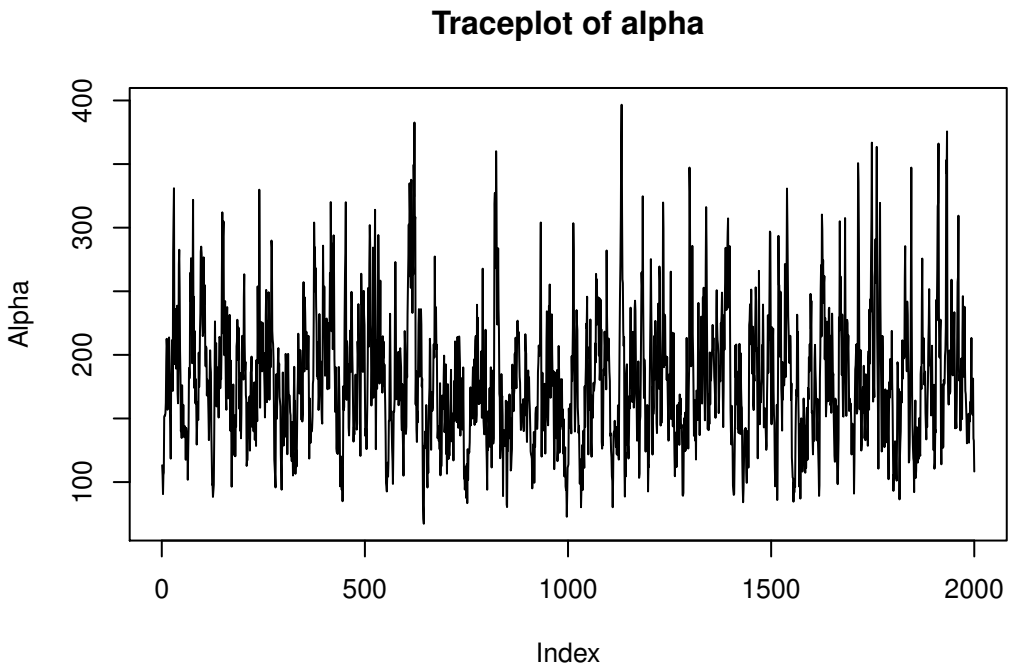

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
150
200
250
300
350
Alpha

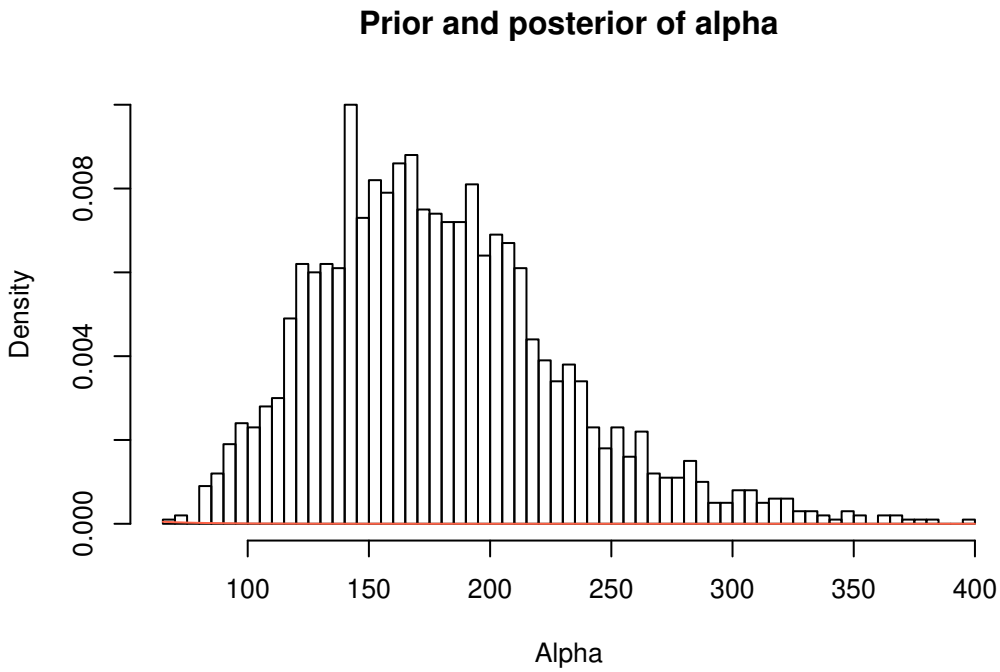

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

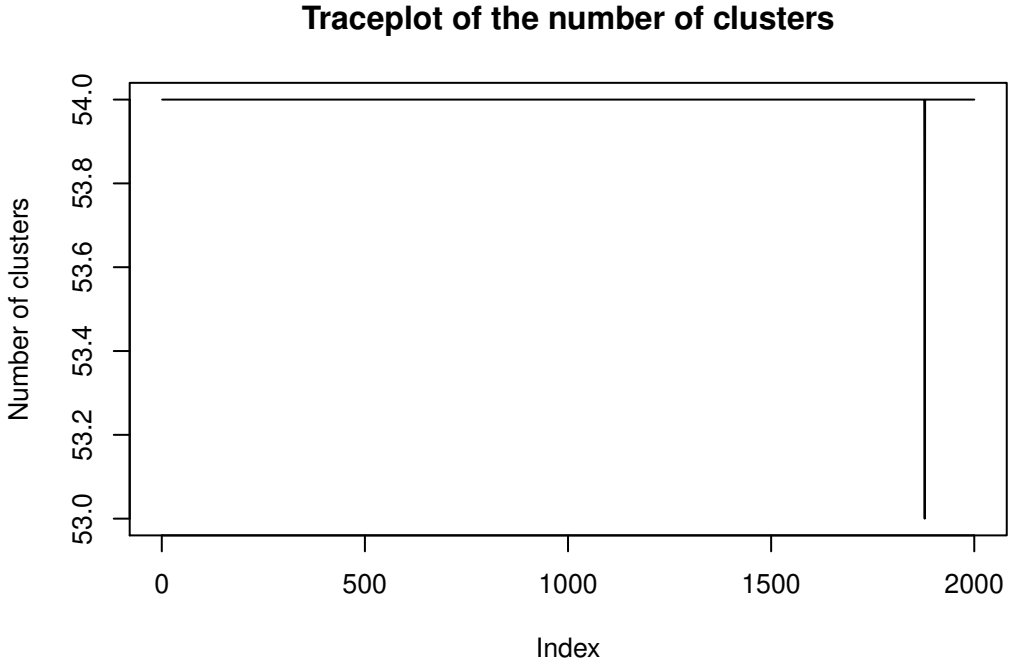

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

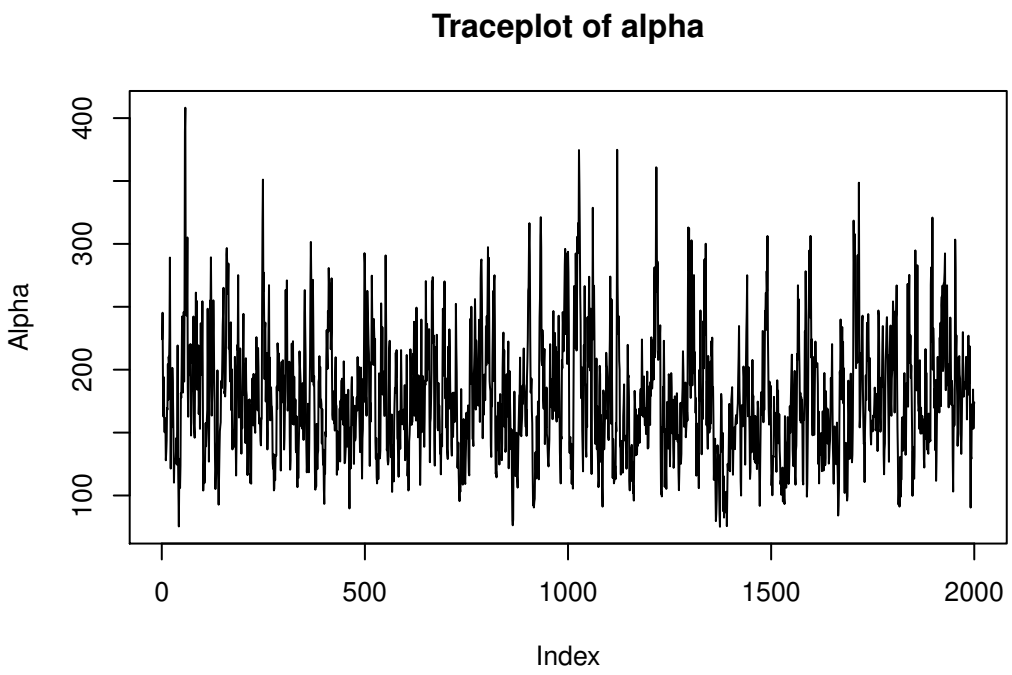

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
Alpha

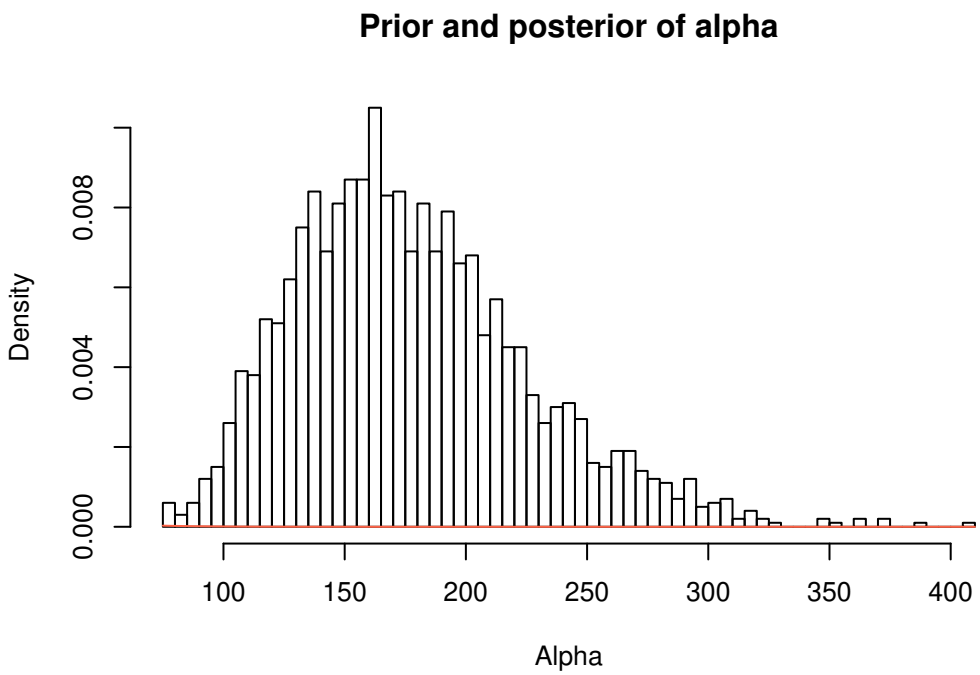

Traceplot of the number of clusters
Number of clusters
53.0
53.5
54.0
54.5
55.0
0
500
1000
1500
2000
Index

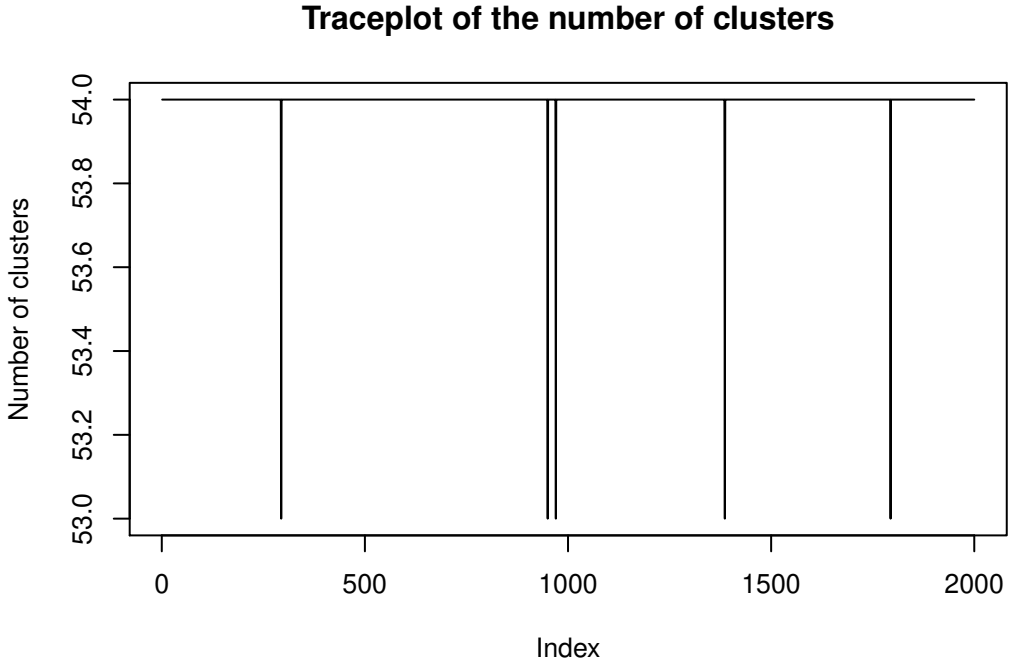

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

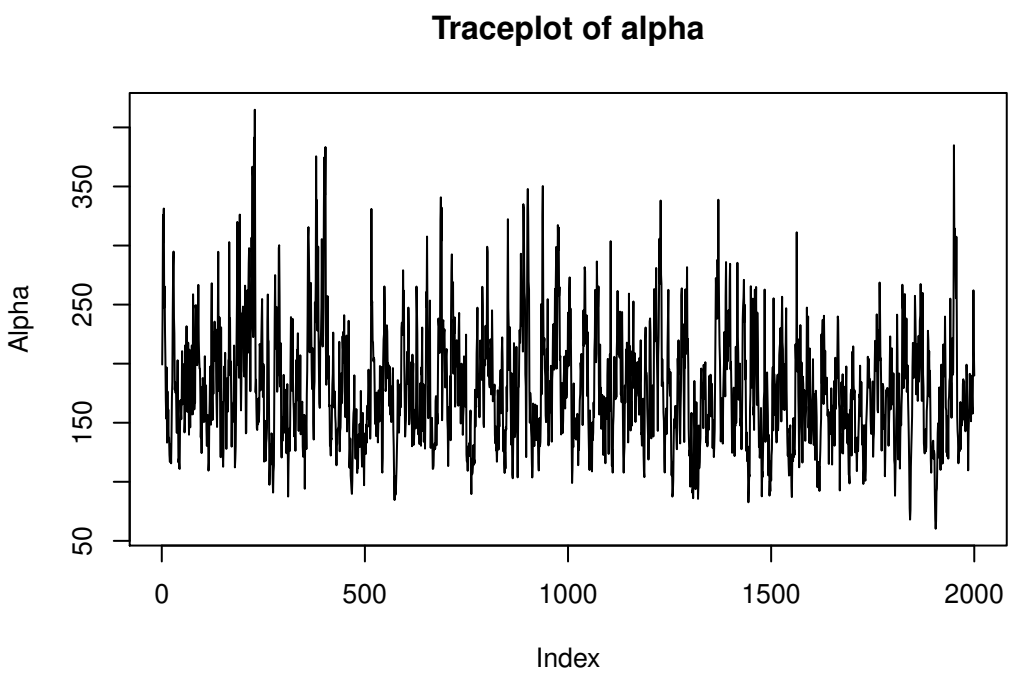

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

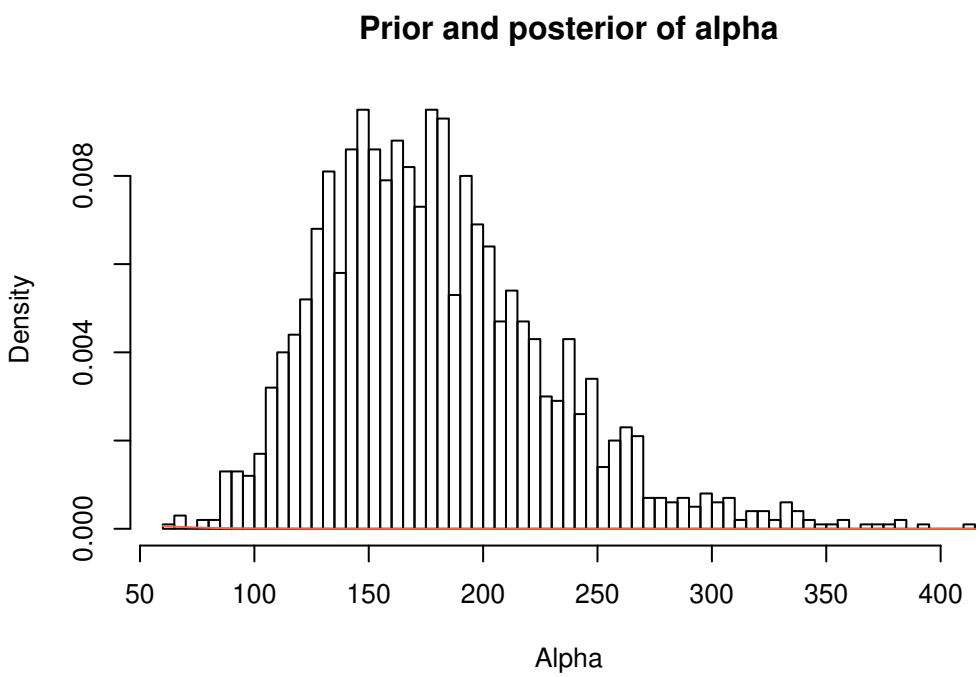

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

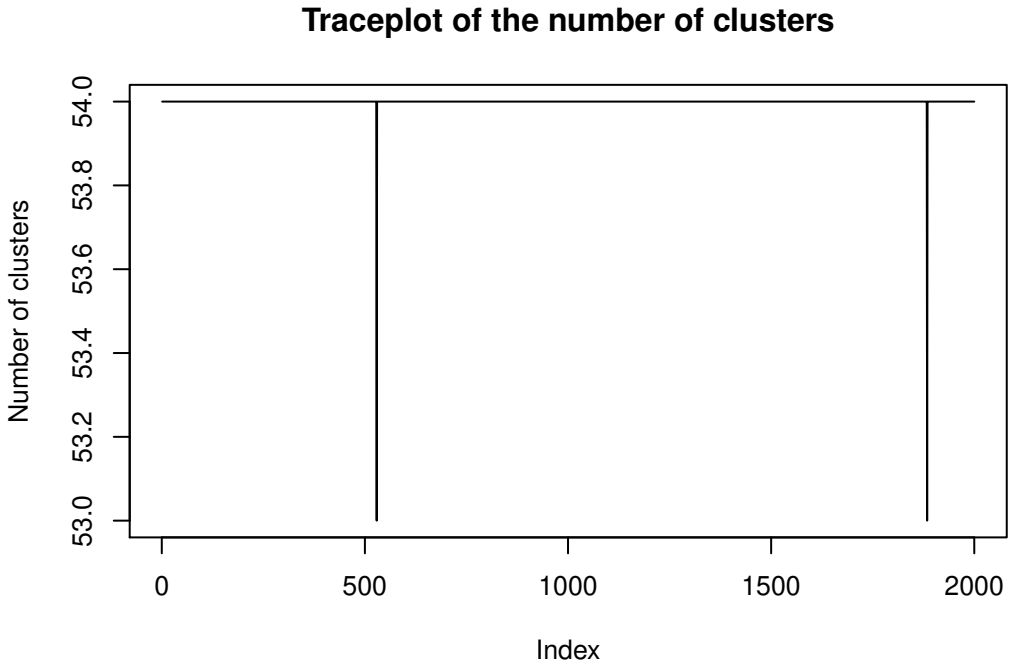

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

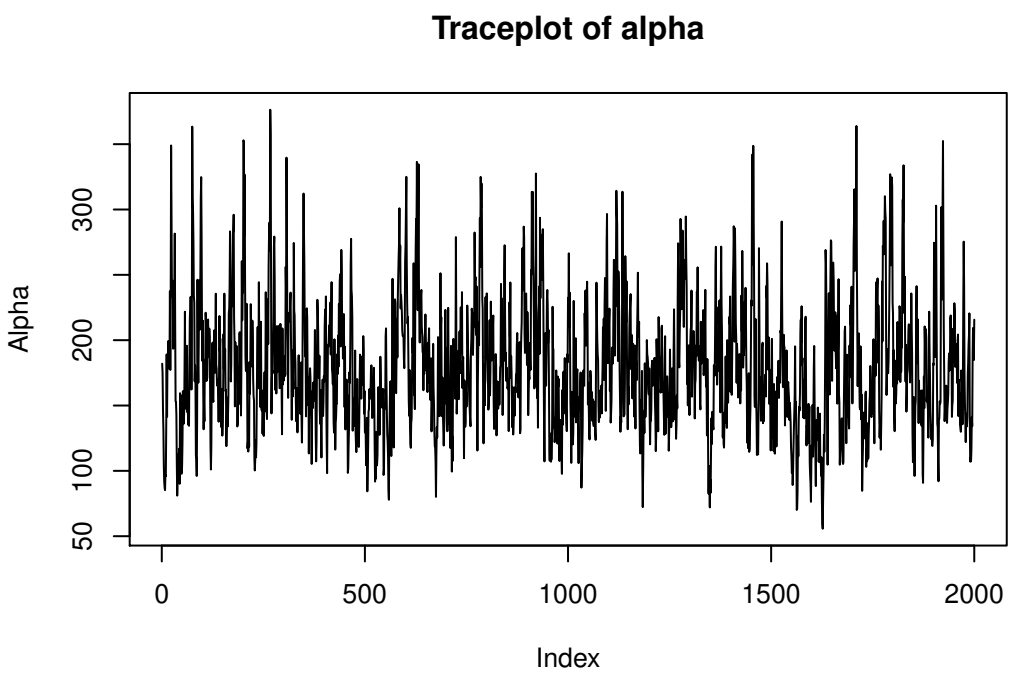

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

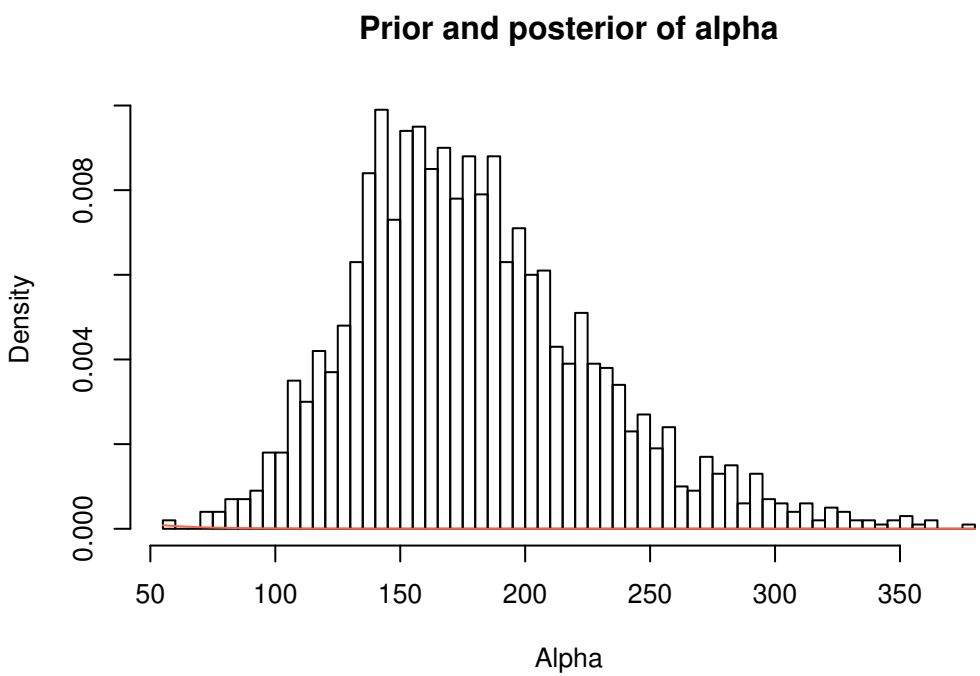

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

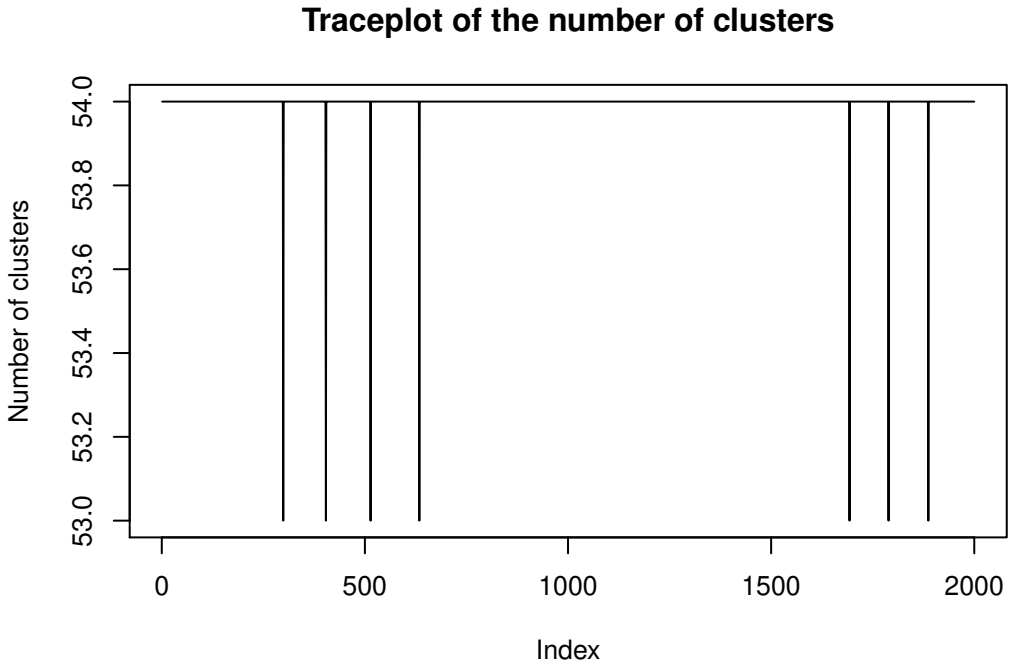

Traceplot of alpha
Alpha
50
150
250
350
0
500
1000
1500
2000
Index

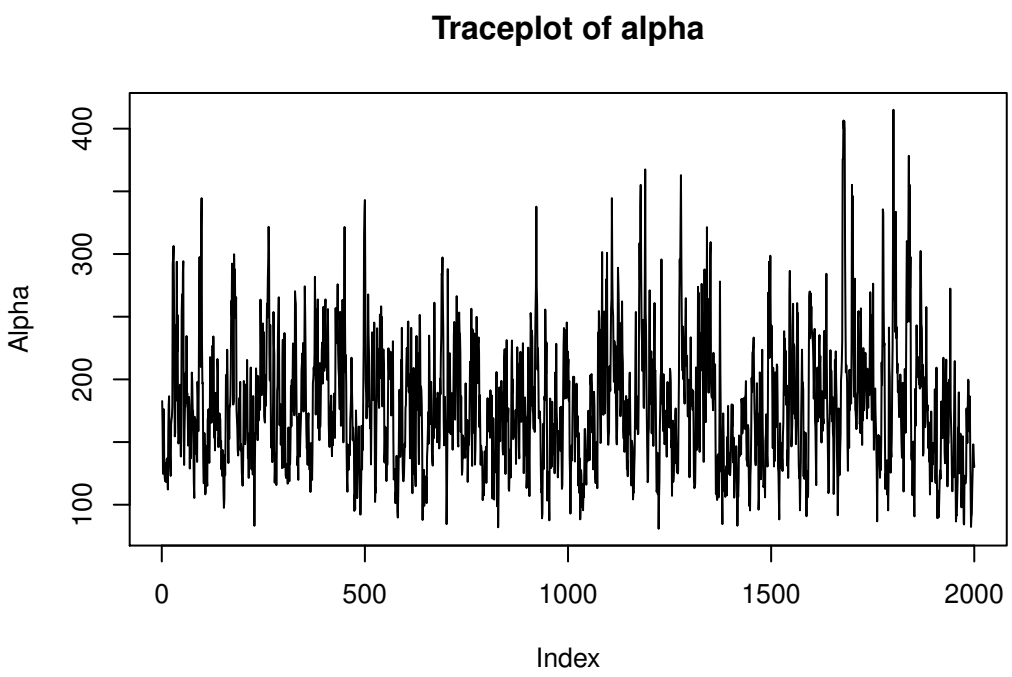

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

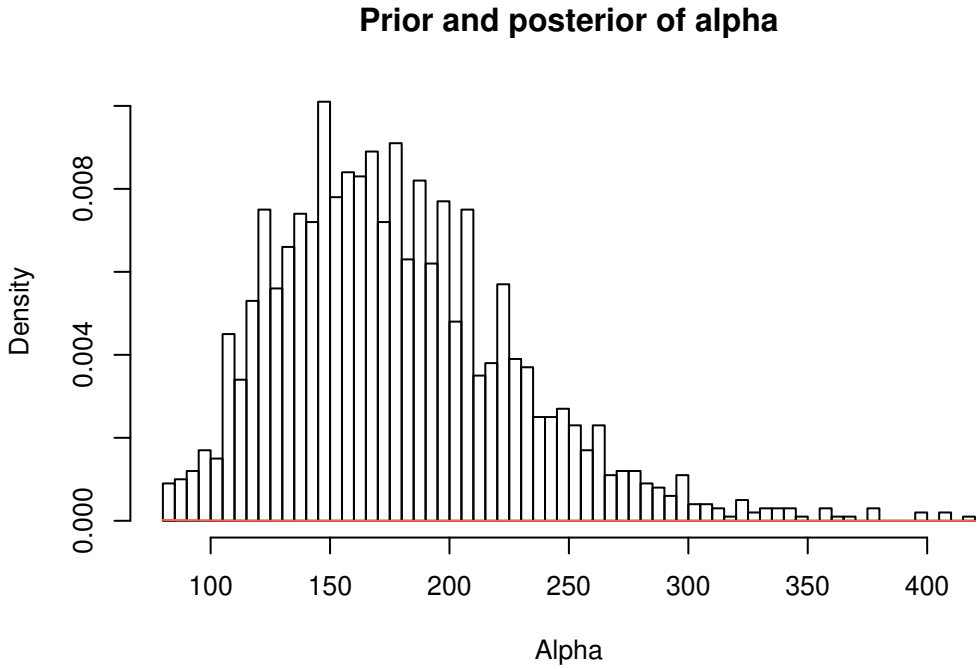

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

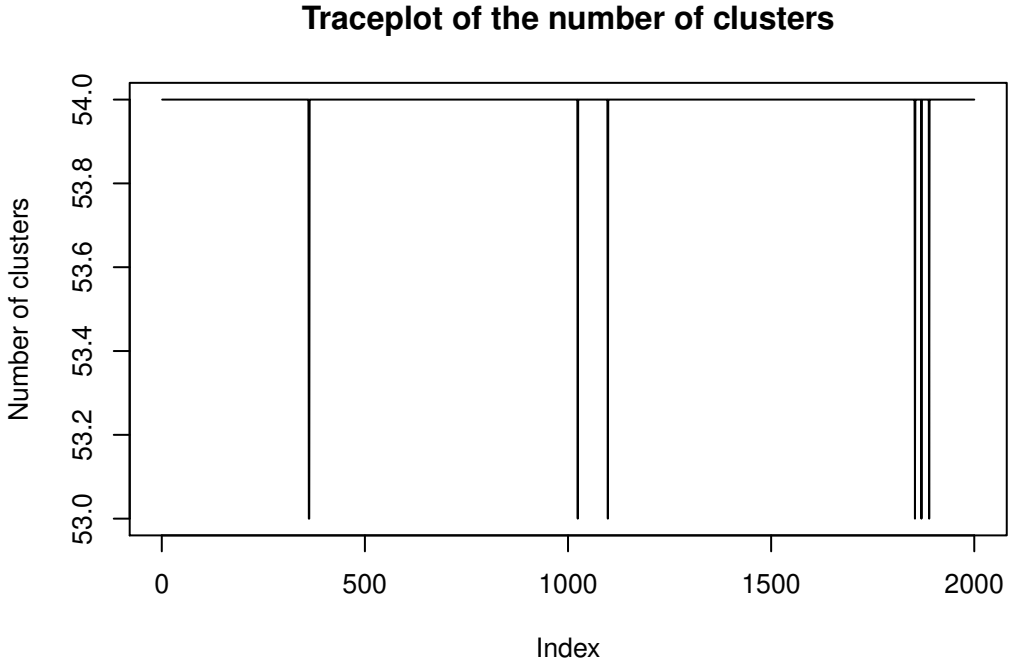

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

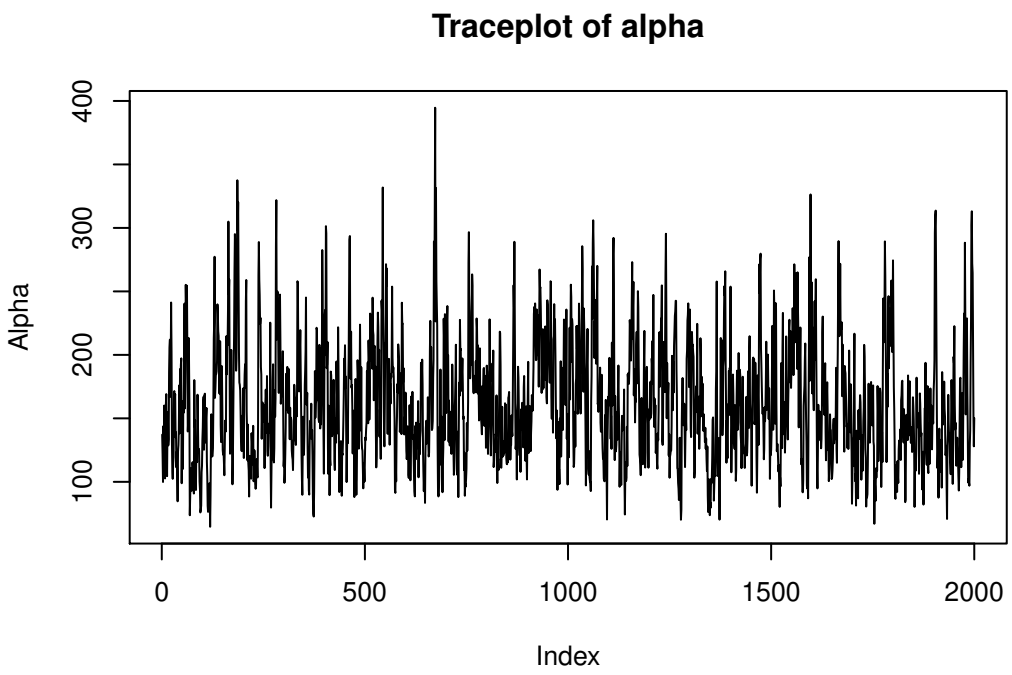

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

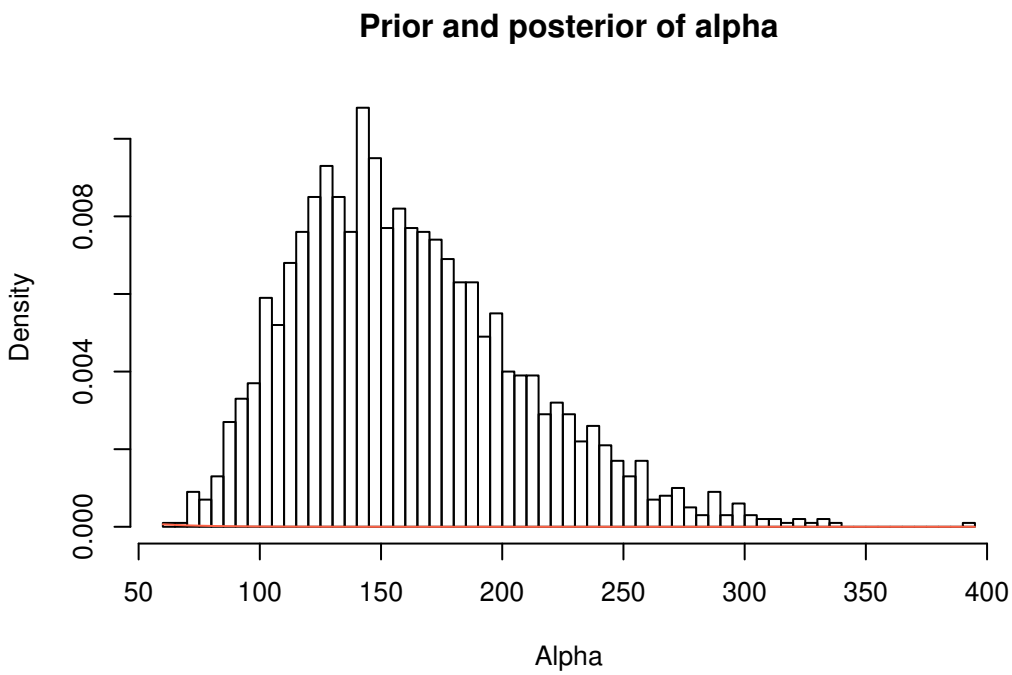

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

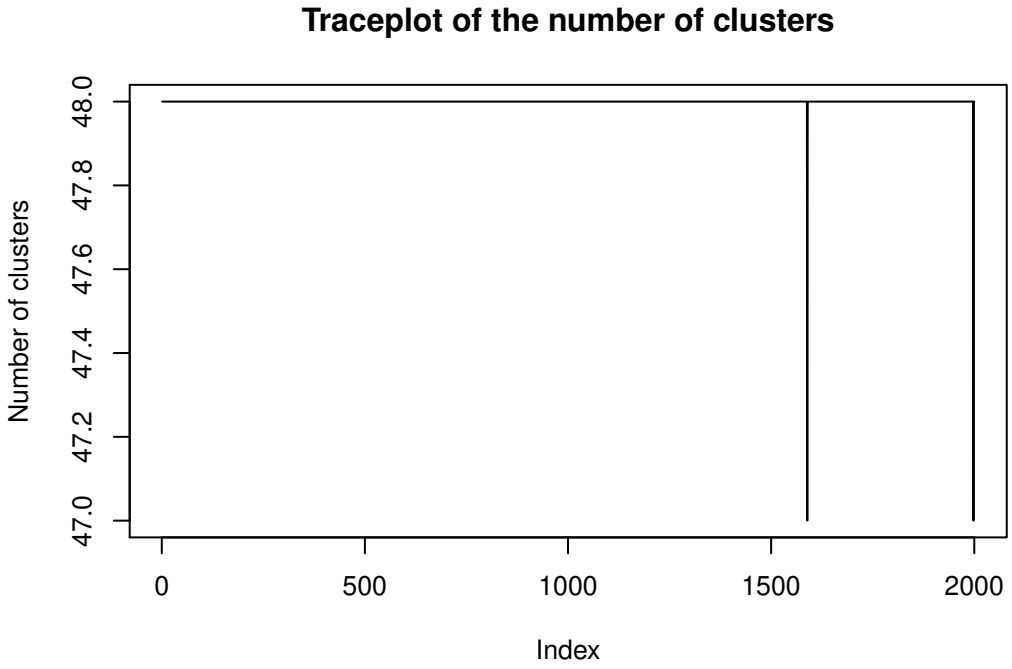

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

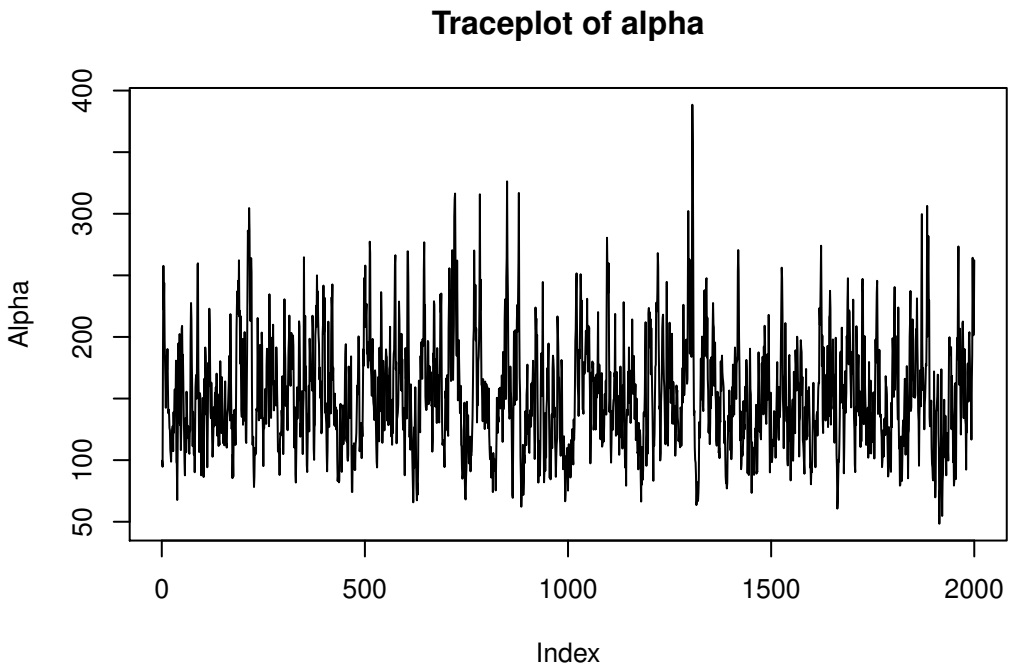

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

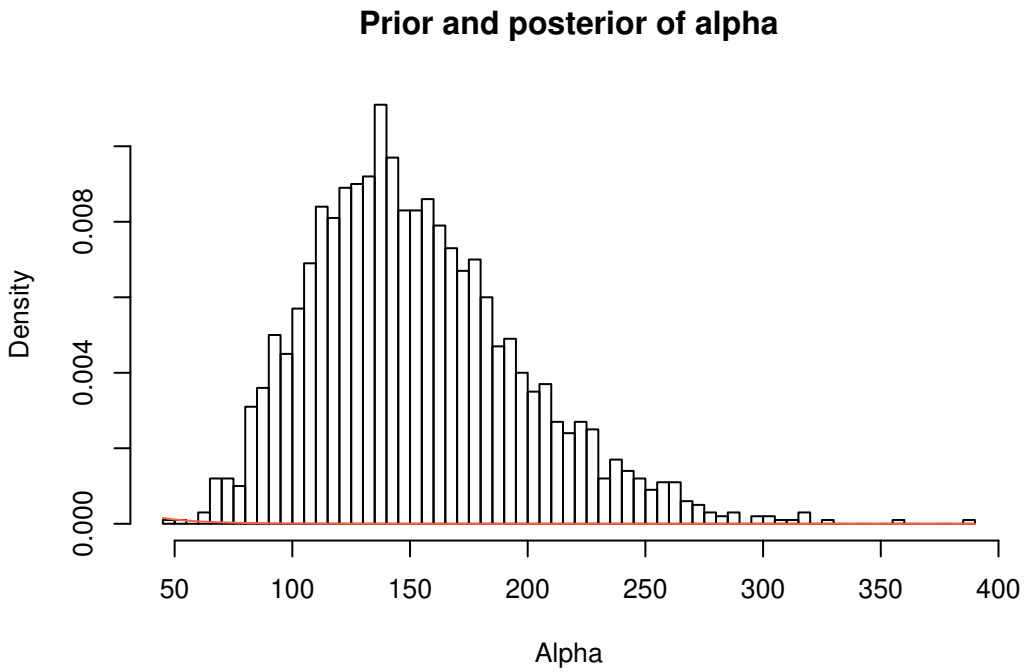

Traceplot of the number of clusters
Number of clusters
53.0
53.2
53.4
53.6
53.8
54.0
0
500
1000
1500
2000
Index

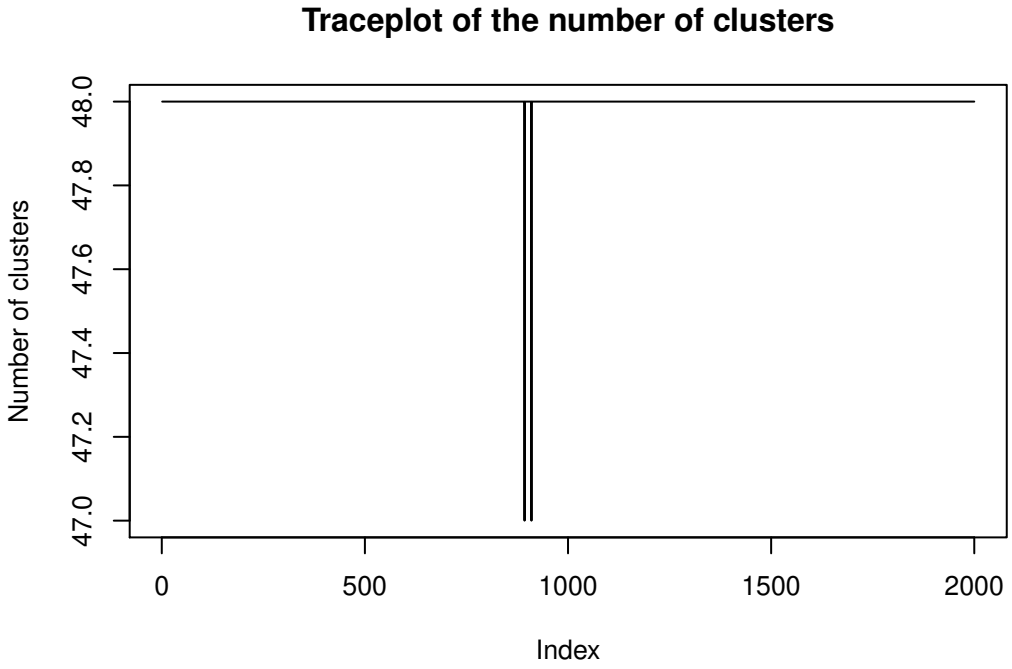

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

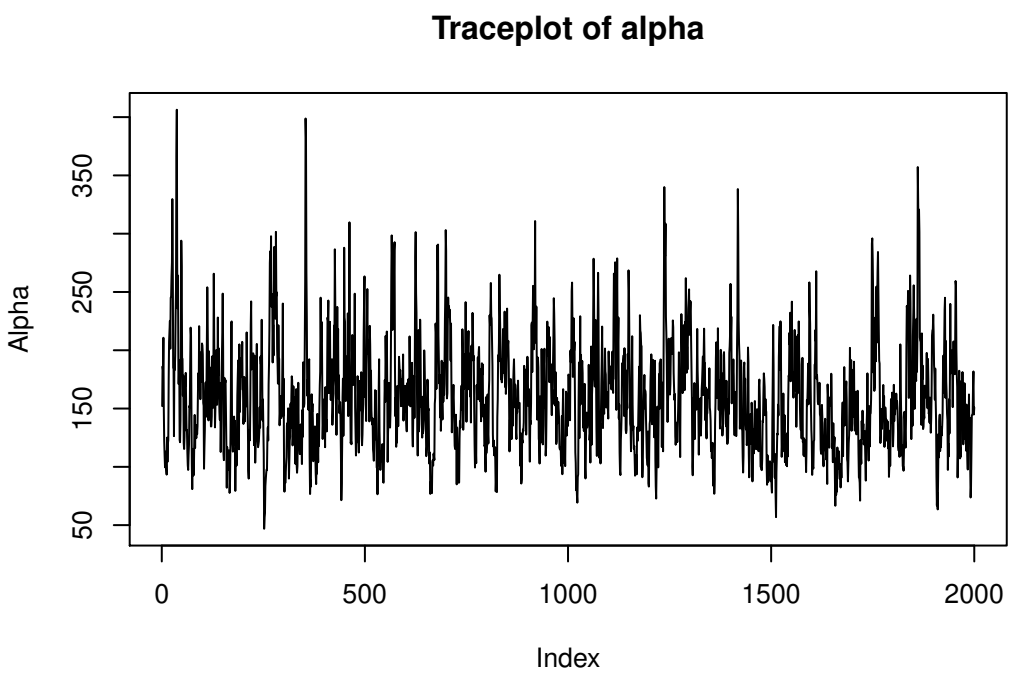

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

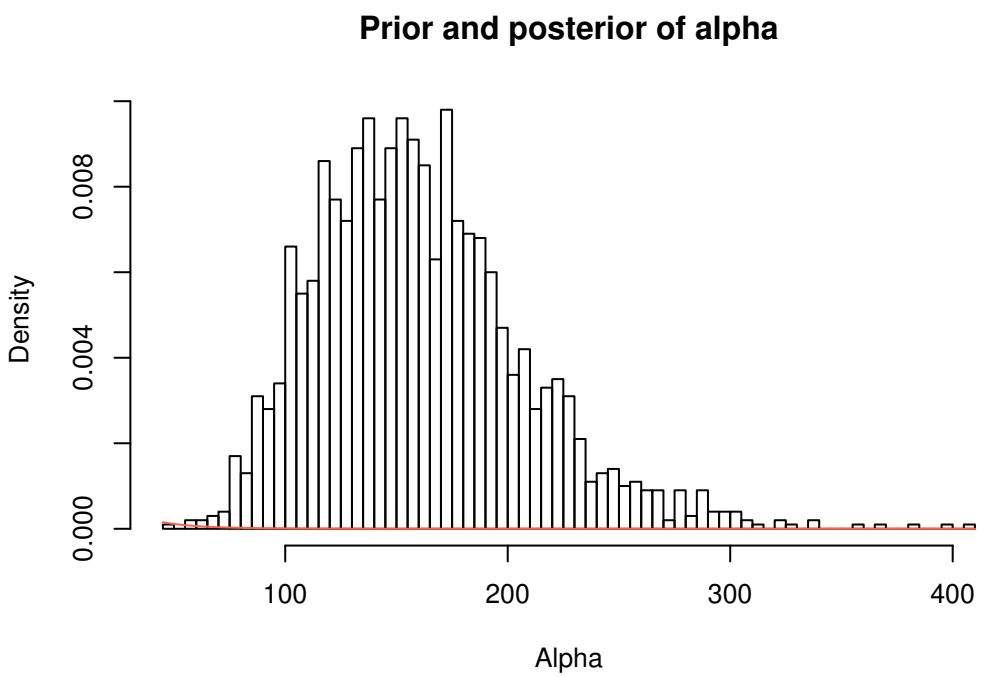

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

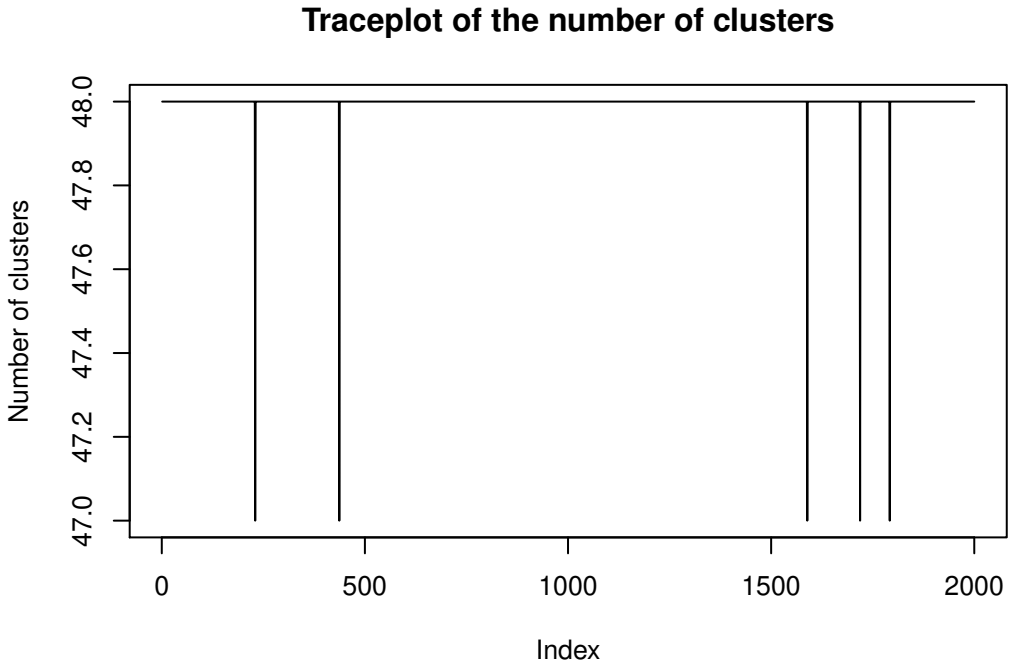

Traceplot of alpha
Alpha
Index
50
100
200
300
400
0
500
1000
1500
2000

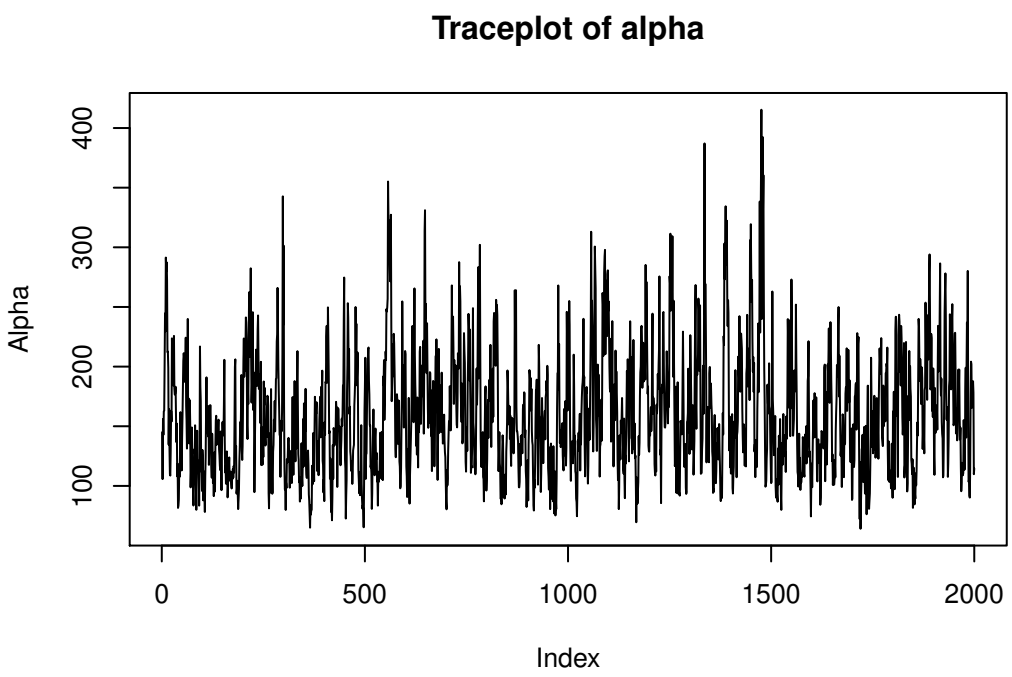

Prior and posterior of alpha
Density
Alpha
0.000
0.004
0.008
50
100
150
200
250
300
350
400

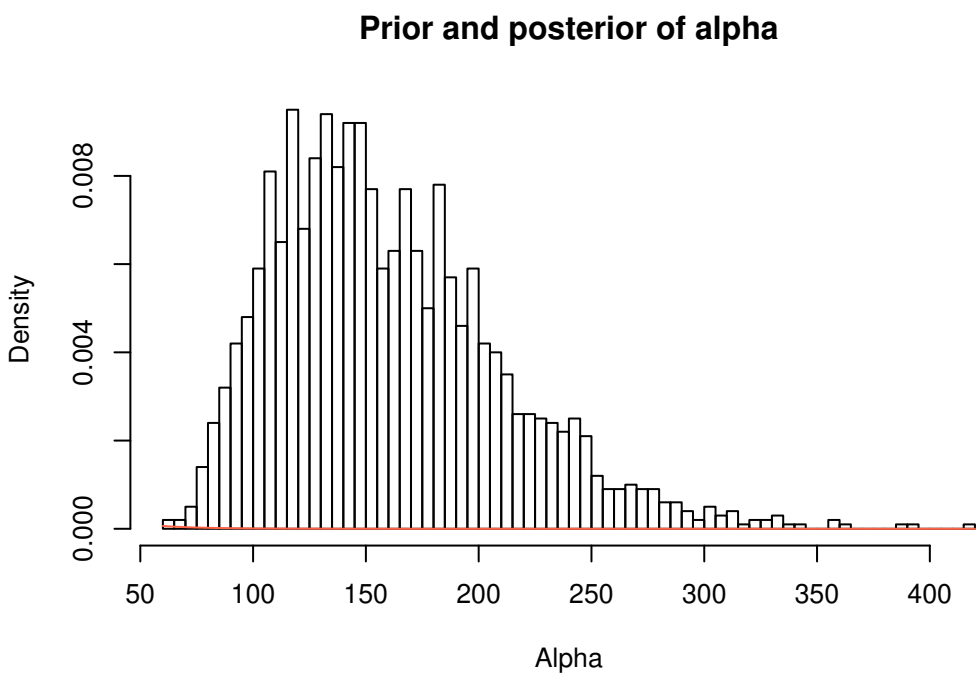

Traceplot of the number of clusters
Number of clusters
Index
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000

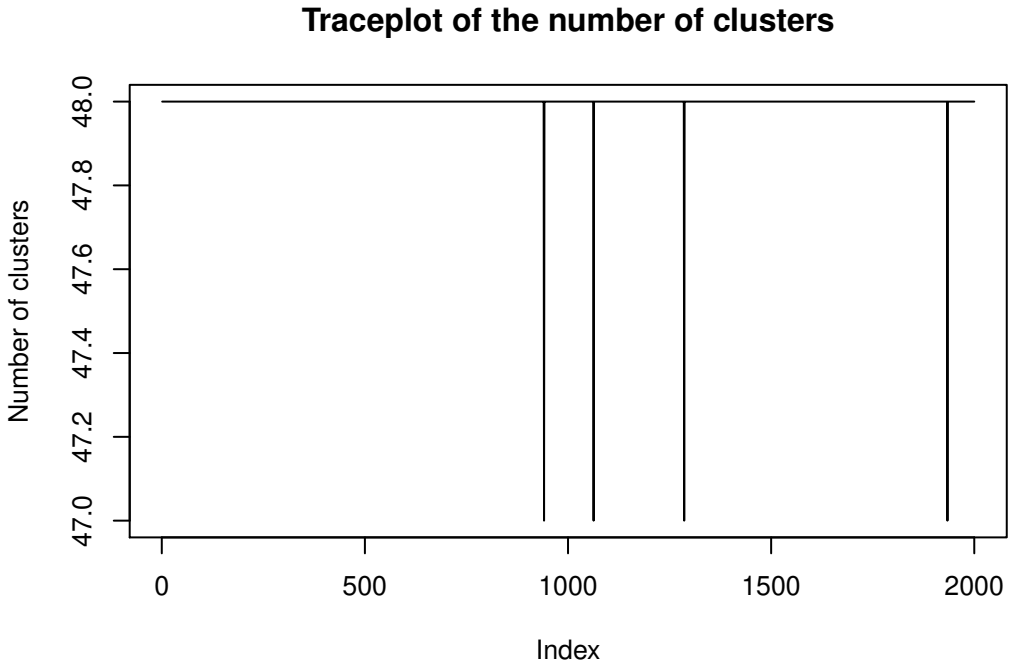

Traceplot of alpha
Alpha
50
150
250
350
0
500
1000
1500
2000
Index

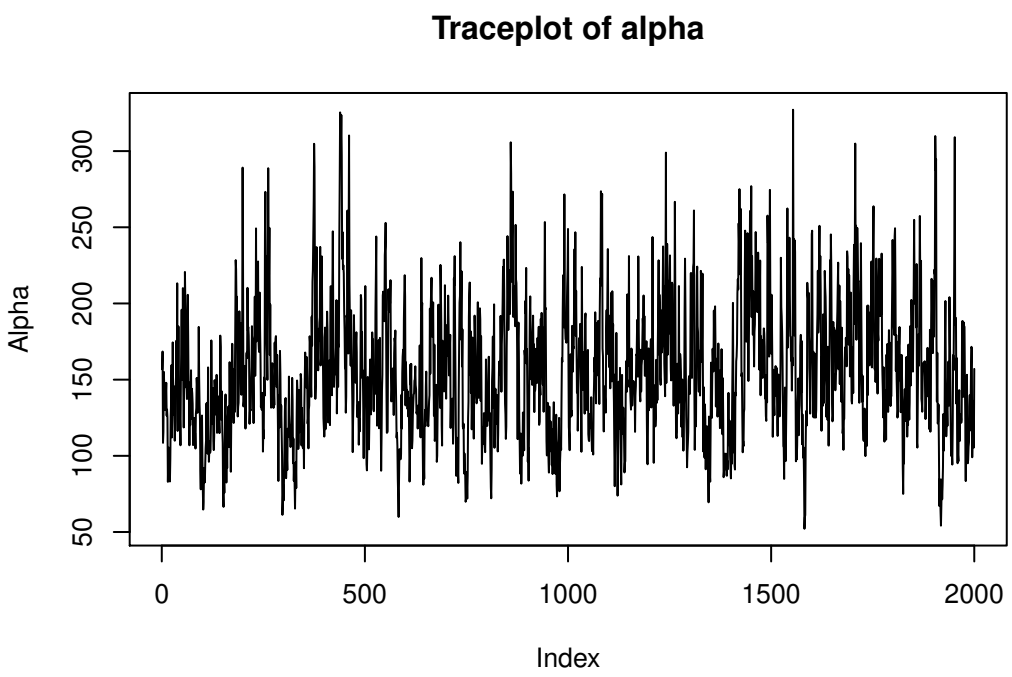

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

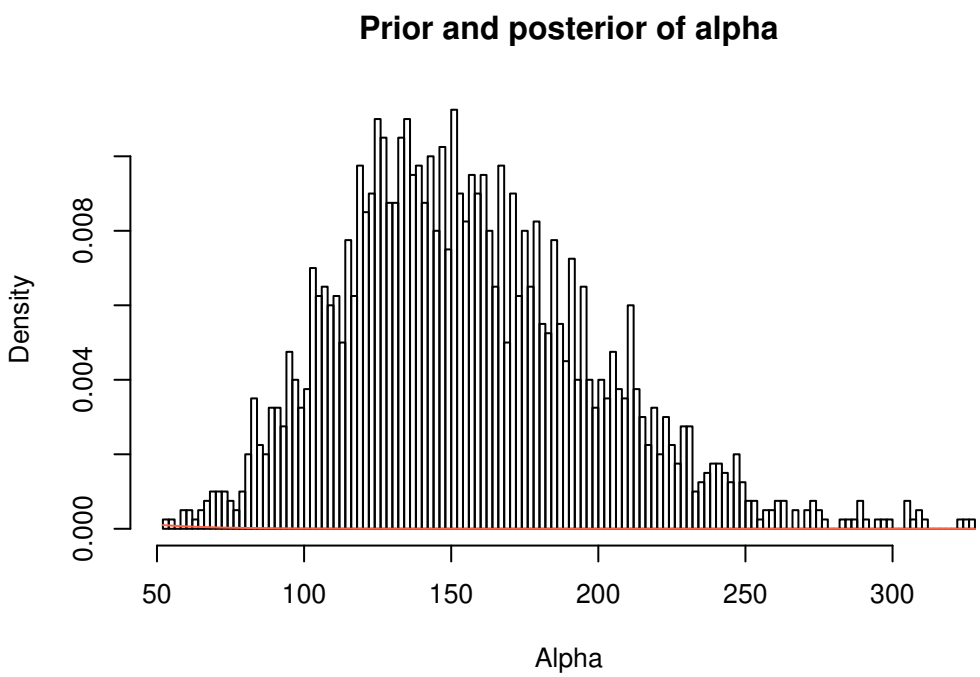

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

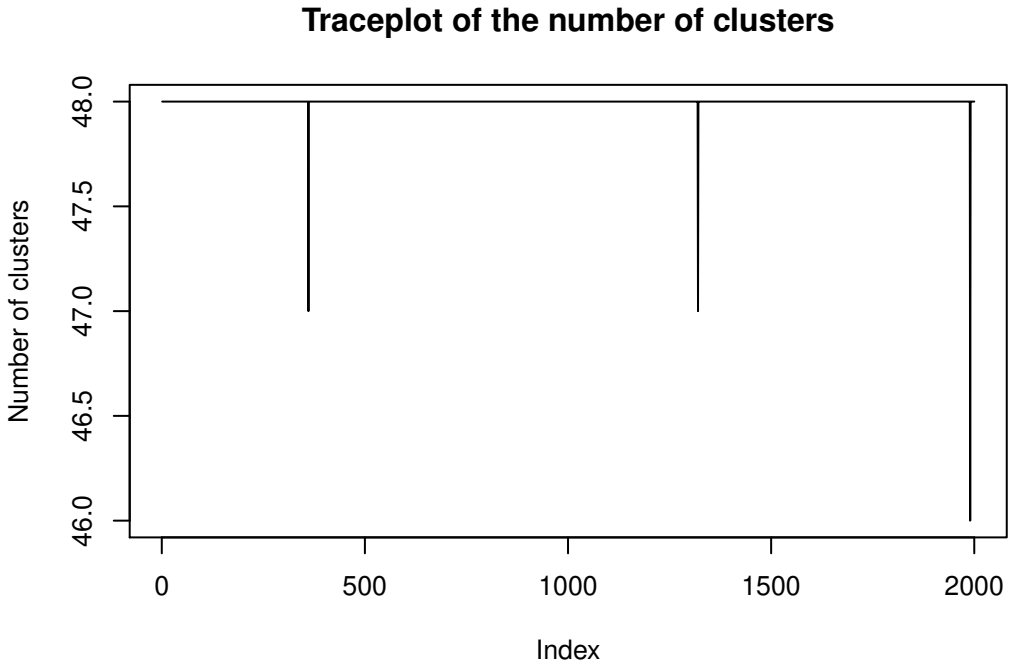

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

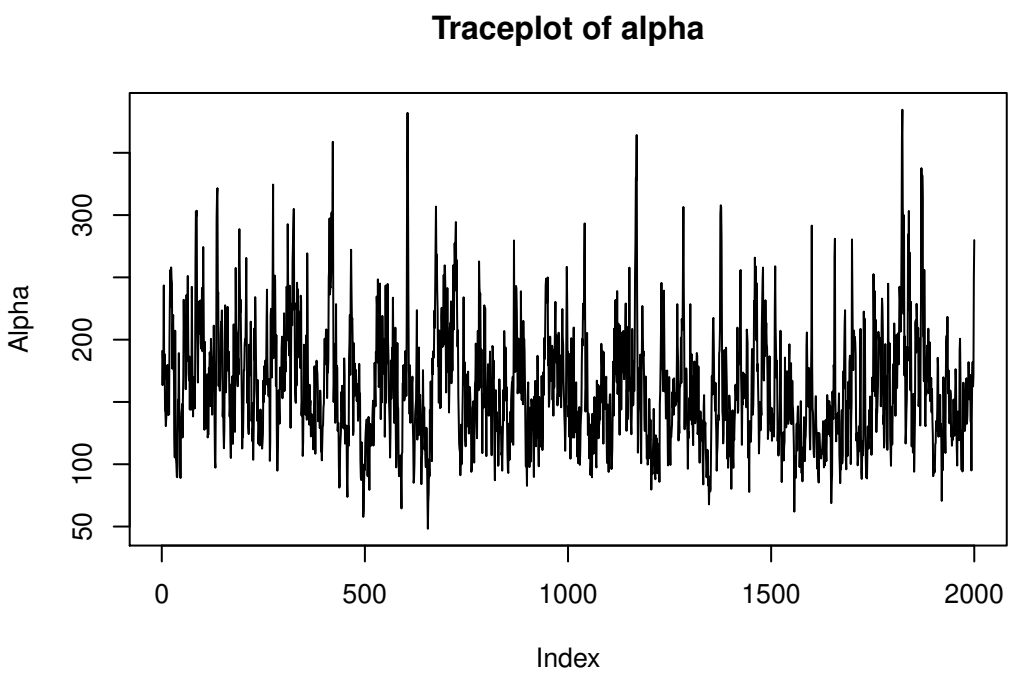

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

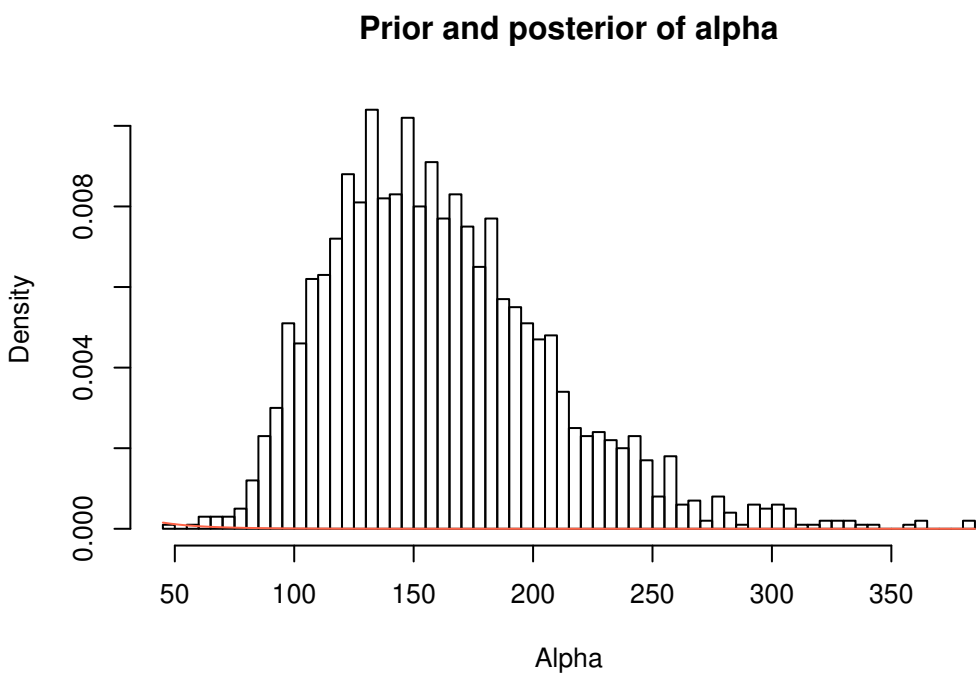

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

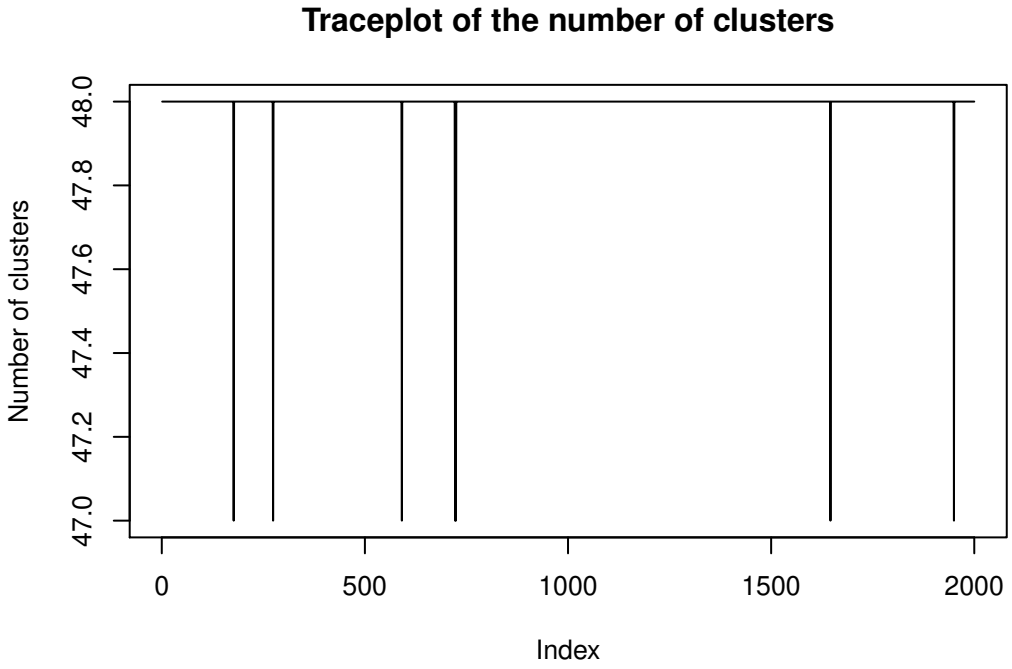

Traceplot of alpha
Alpha
50
100
150
200
250
300
0
500
1000
1500
2000
Index

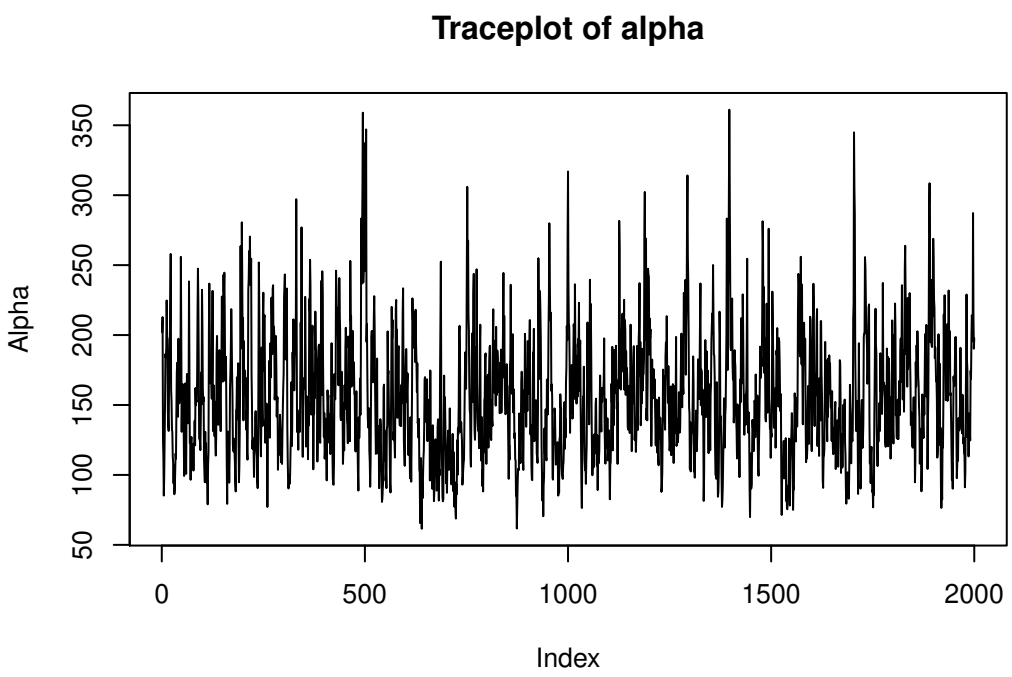

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
Alpha

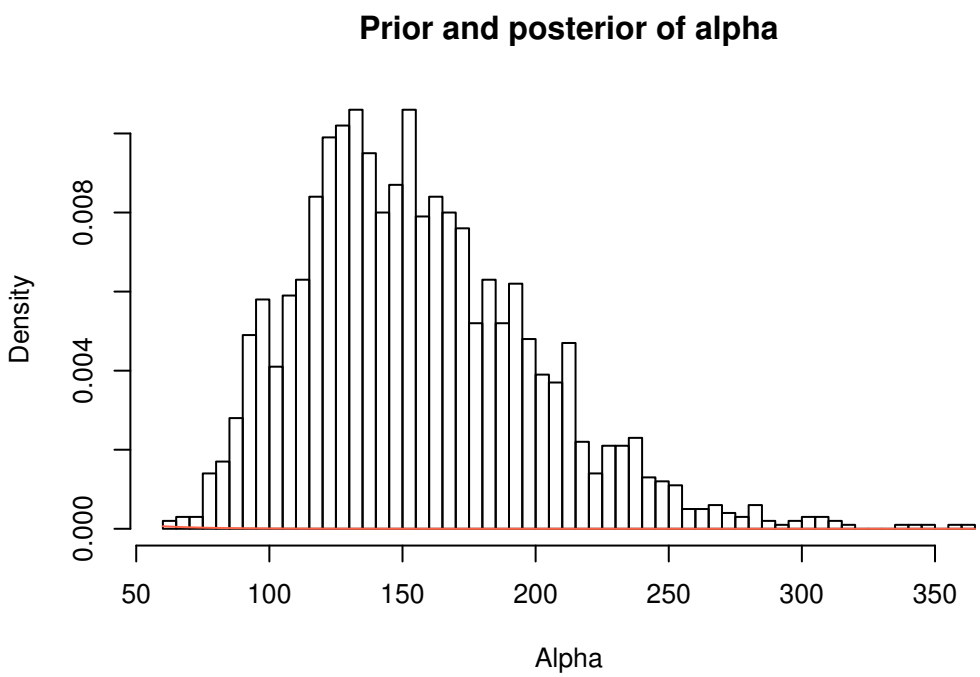

Traceplot of the number of clusters
Number of clusters
46.0
46.5
47.0
47.5
48.0
0
500
1000
1500
2000
Index

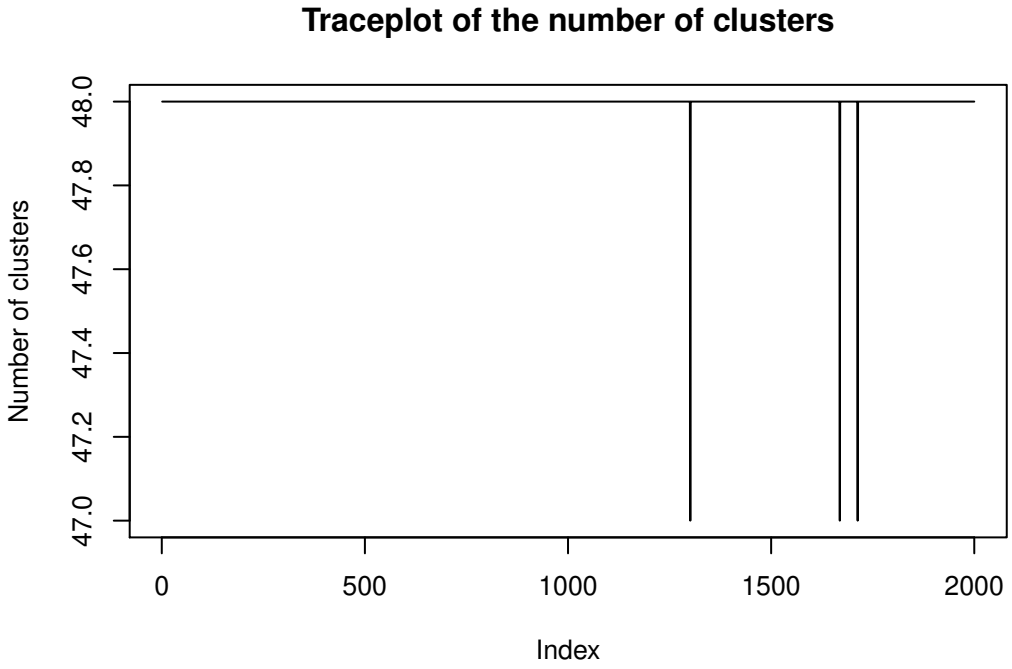

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

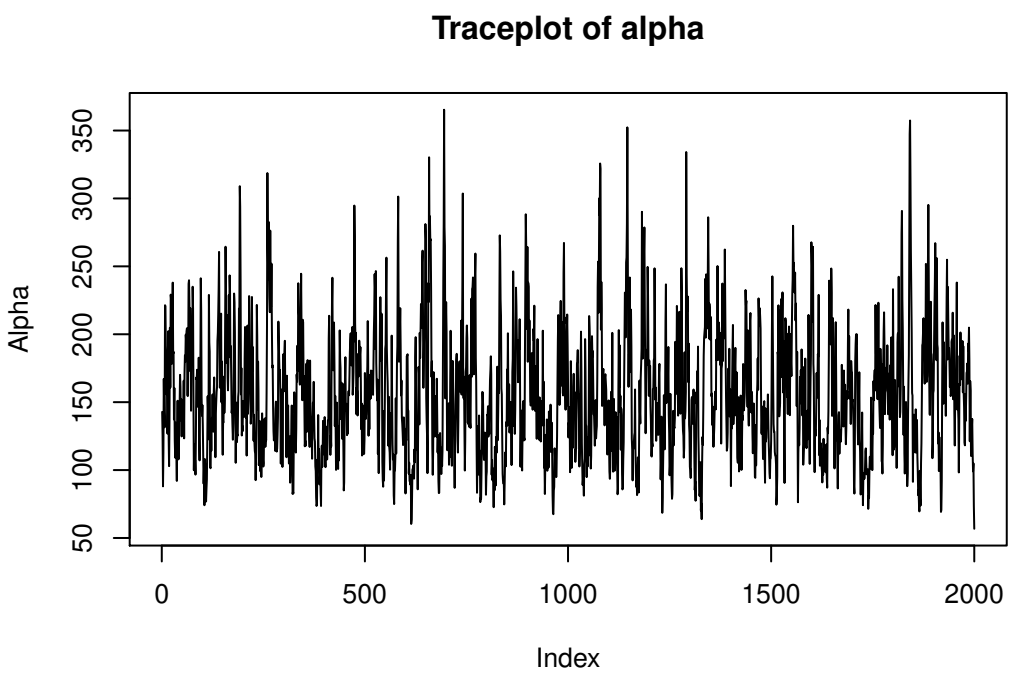

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

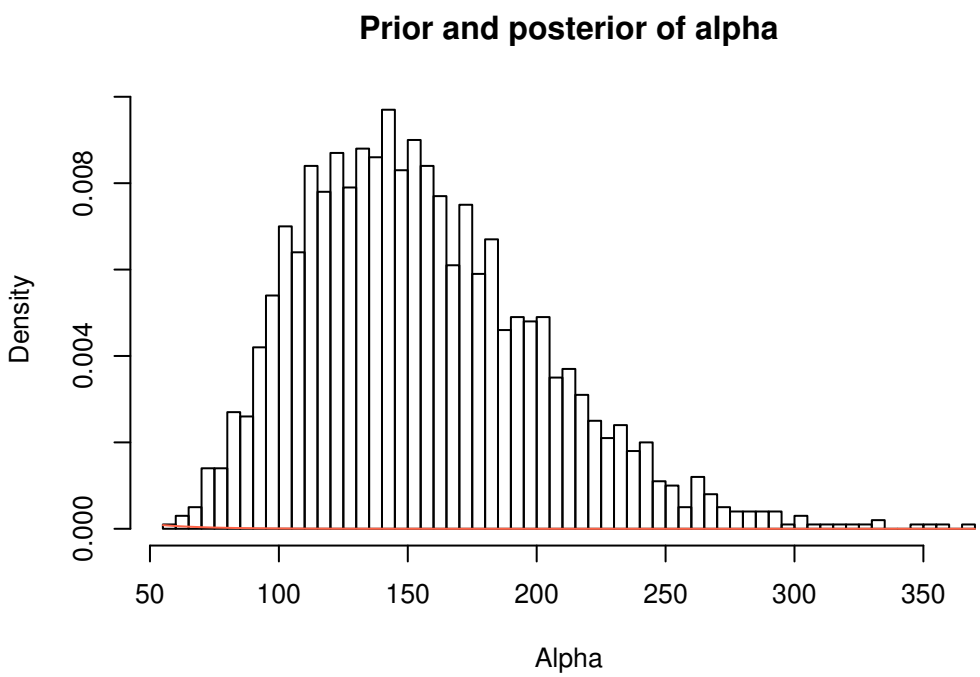

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

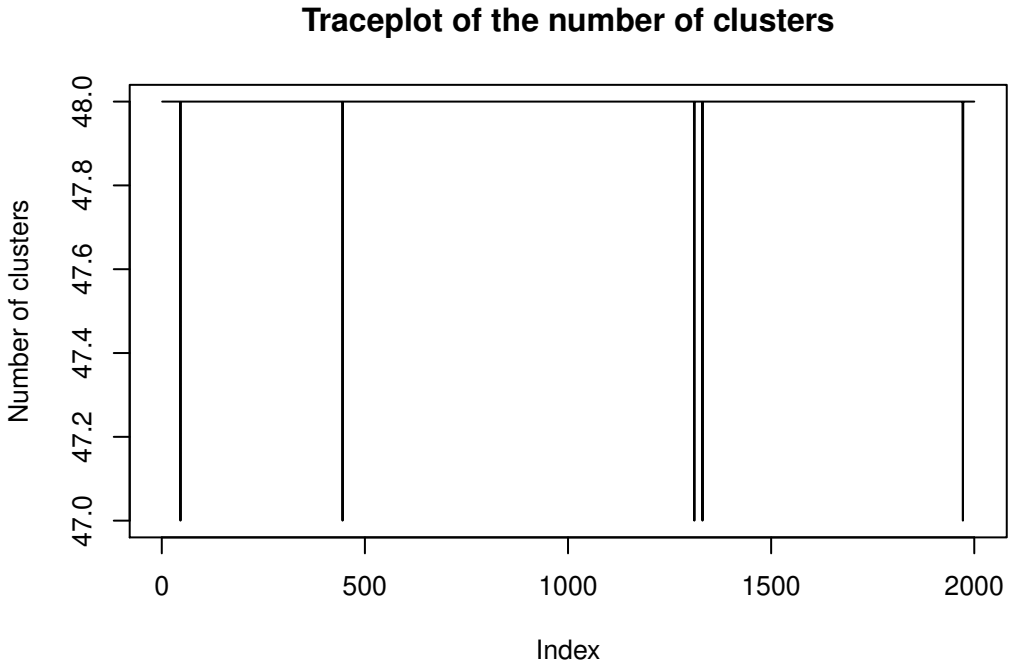

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

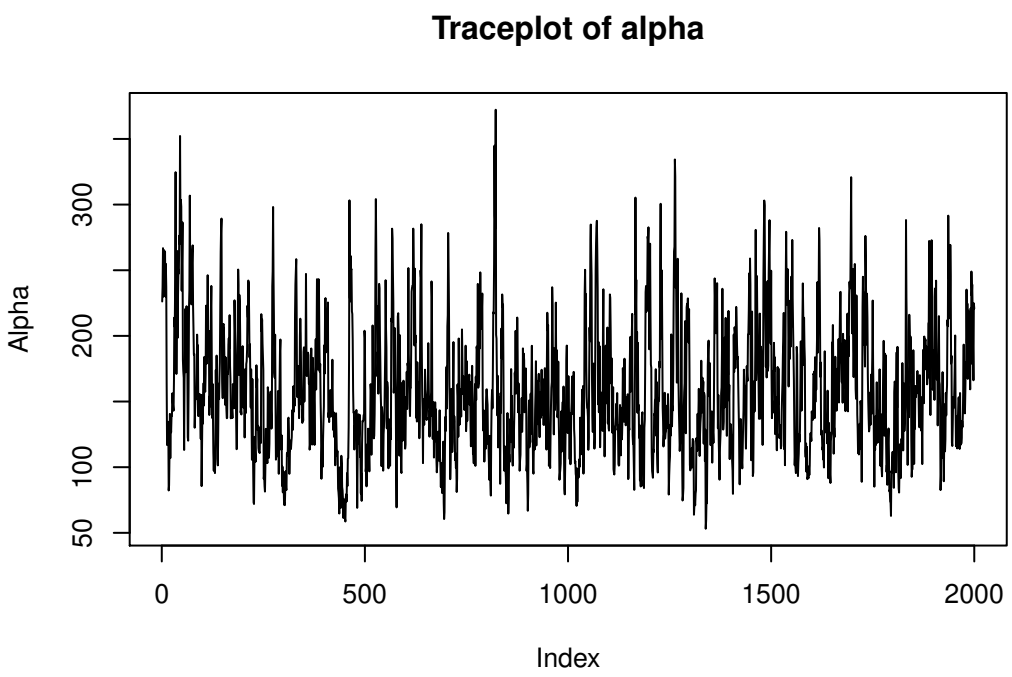

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

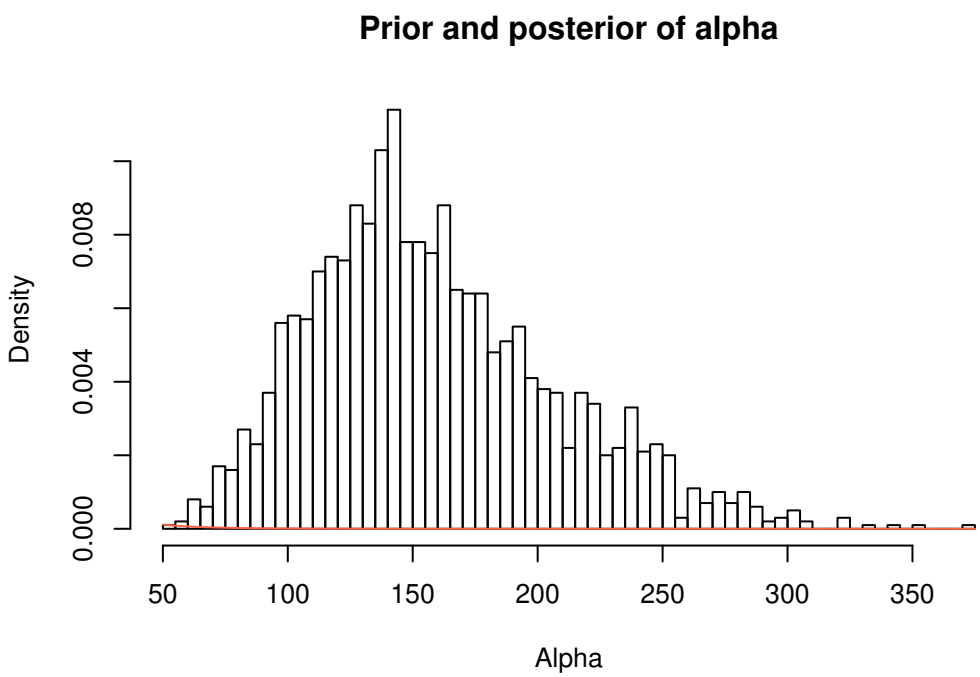

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

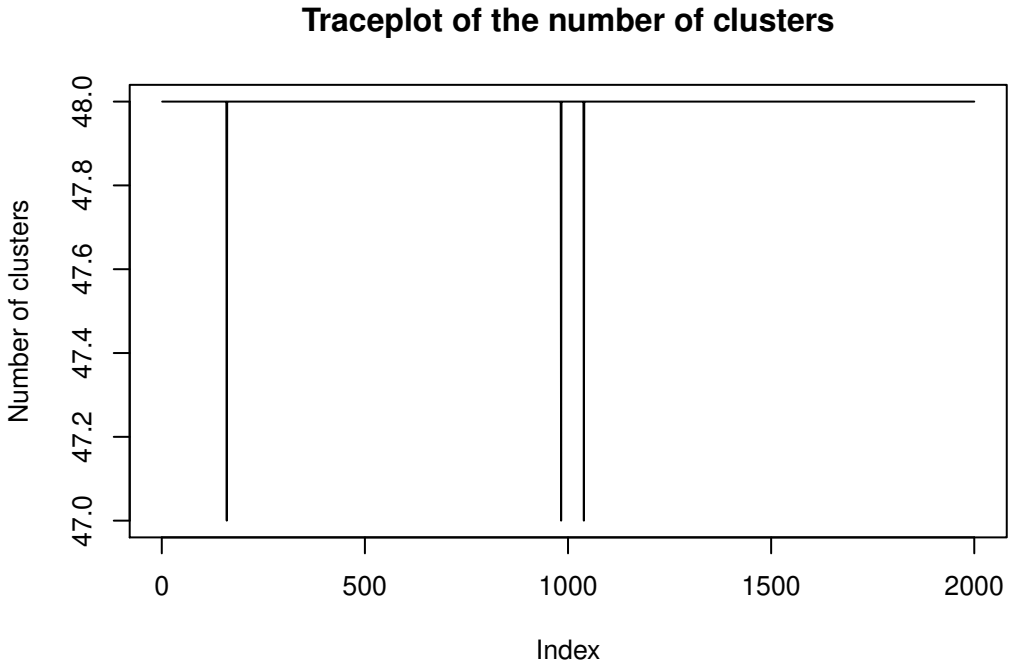

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

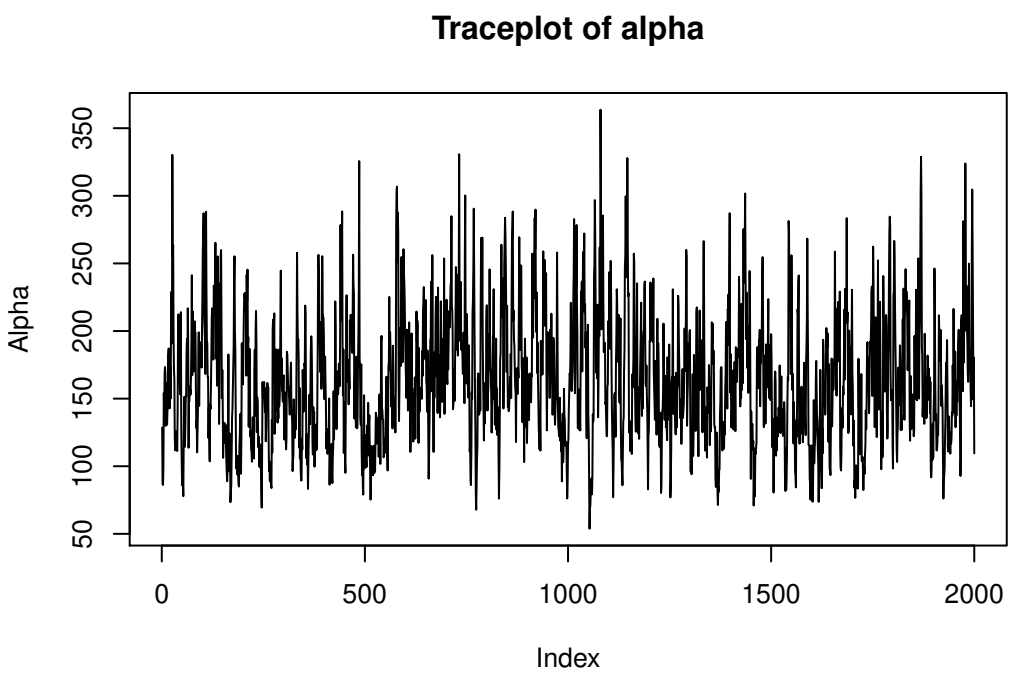

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

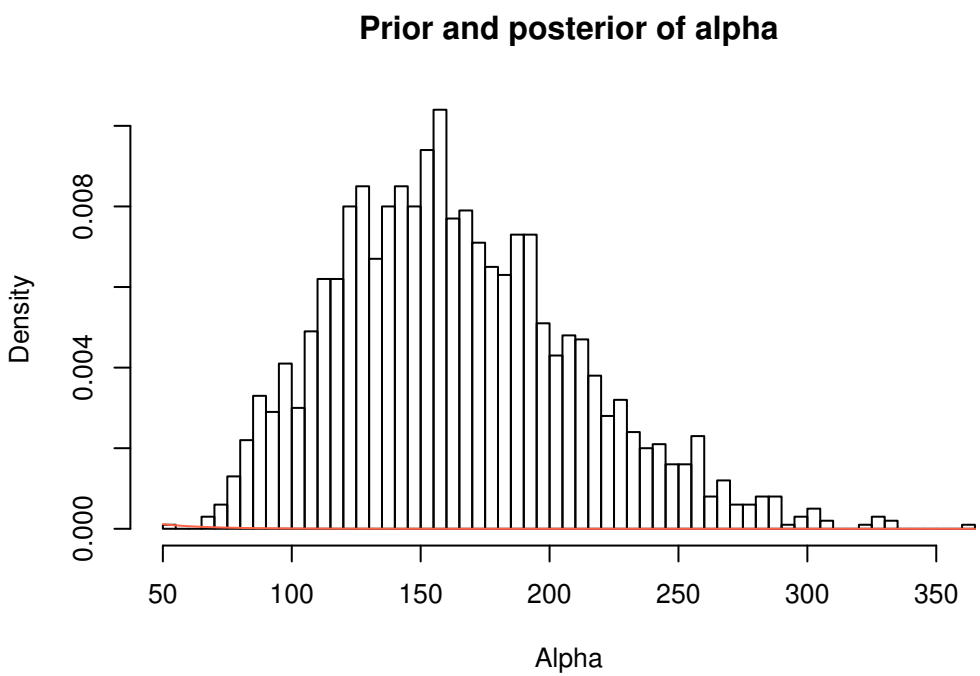

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

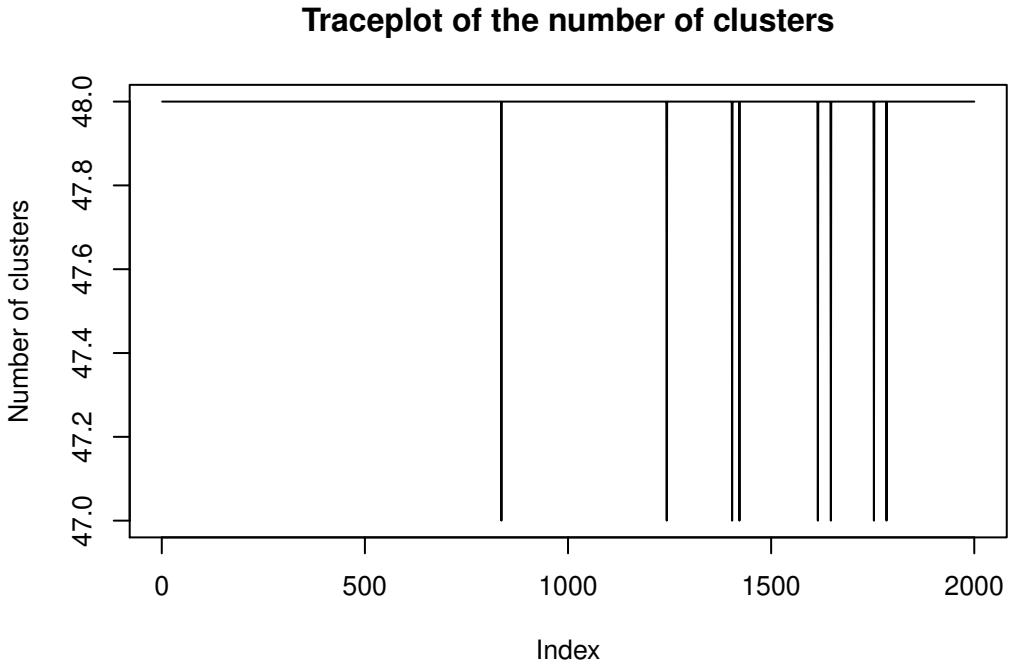

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

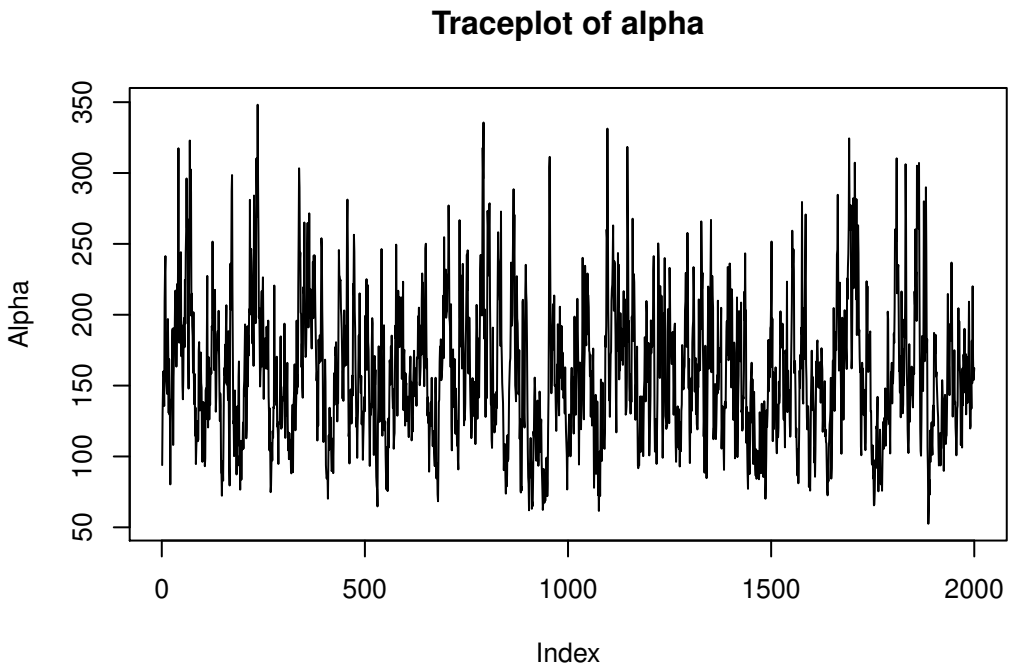

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

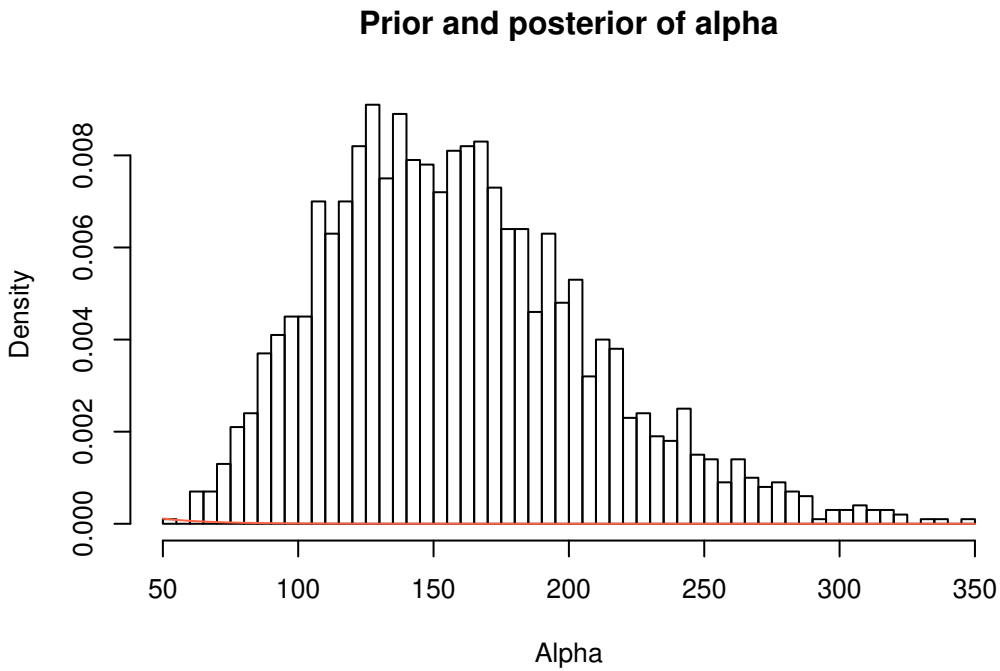

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

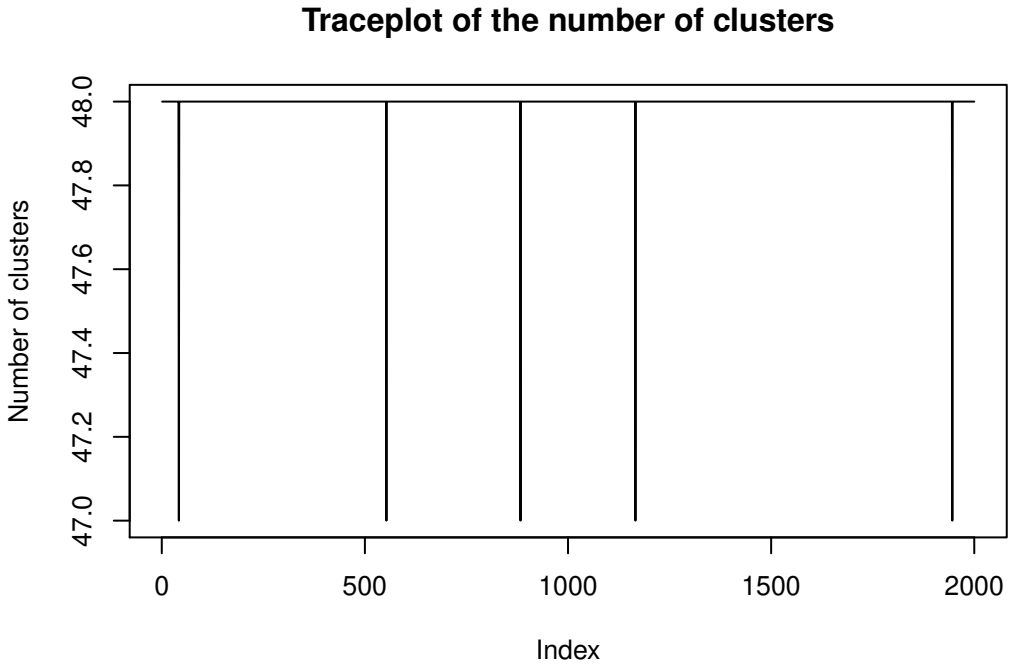

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

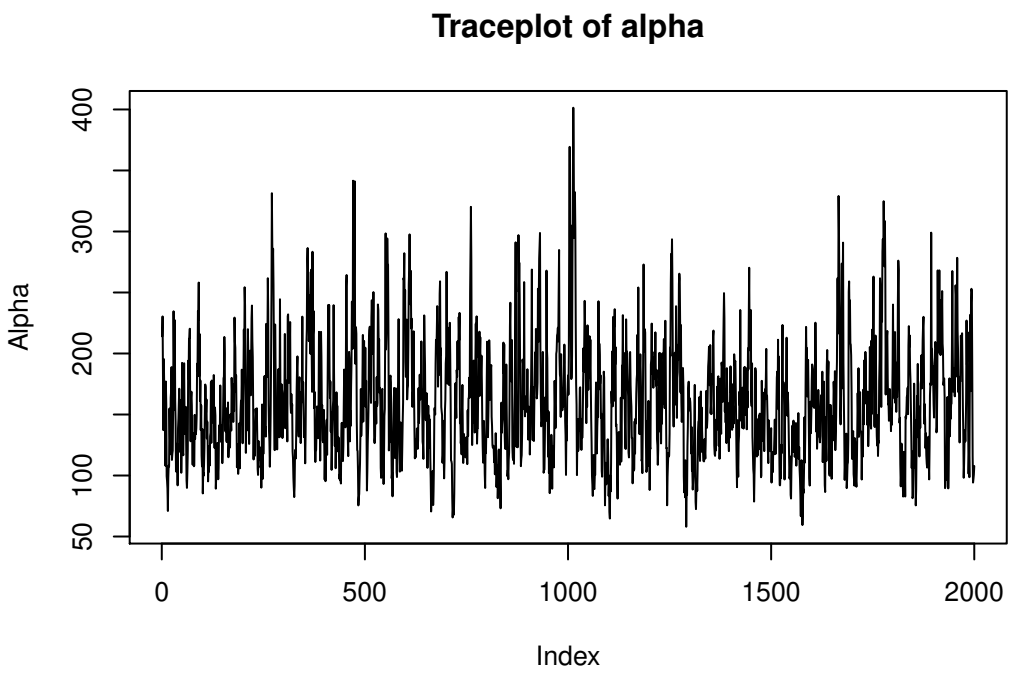

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

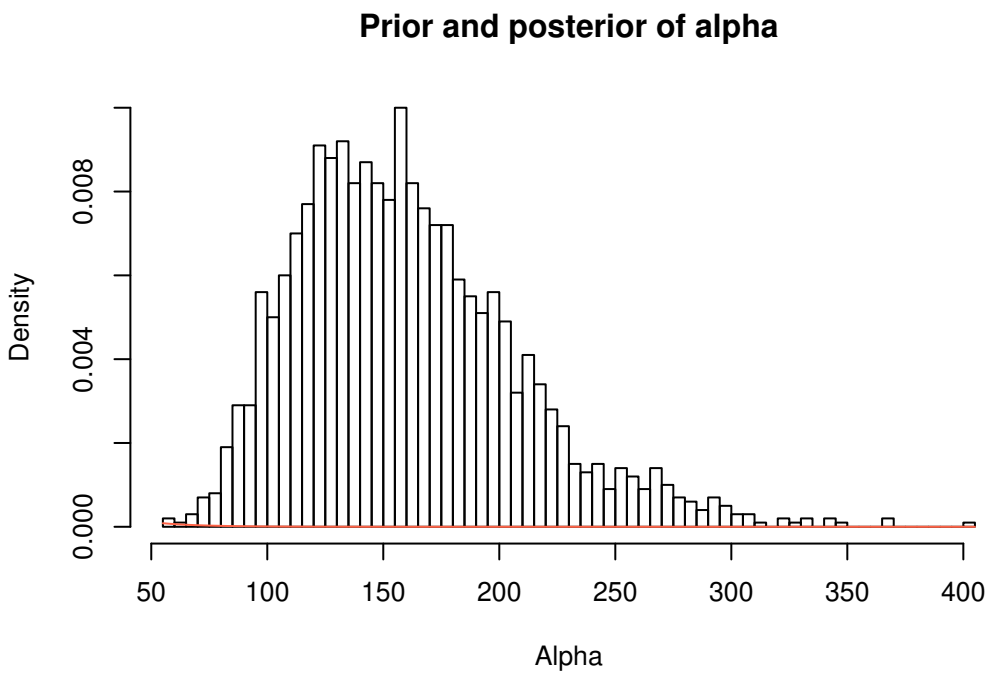

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

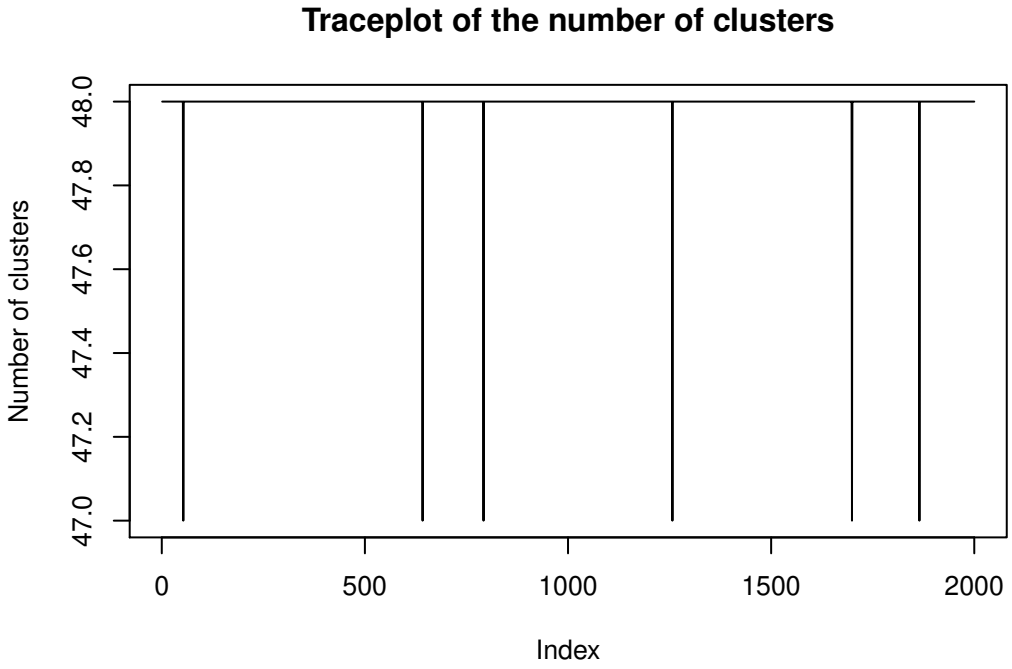

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

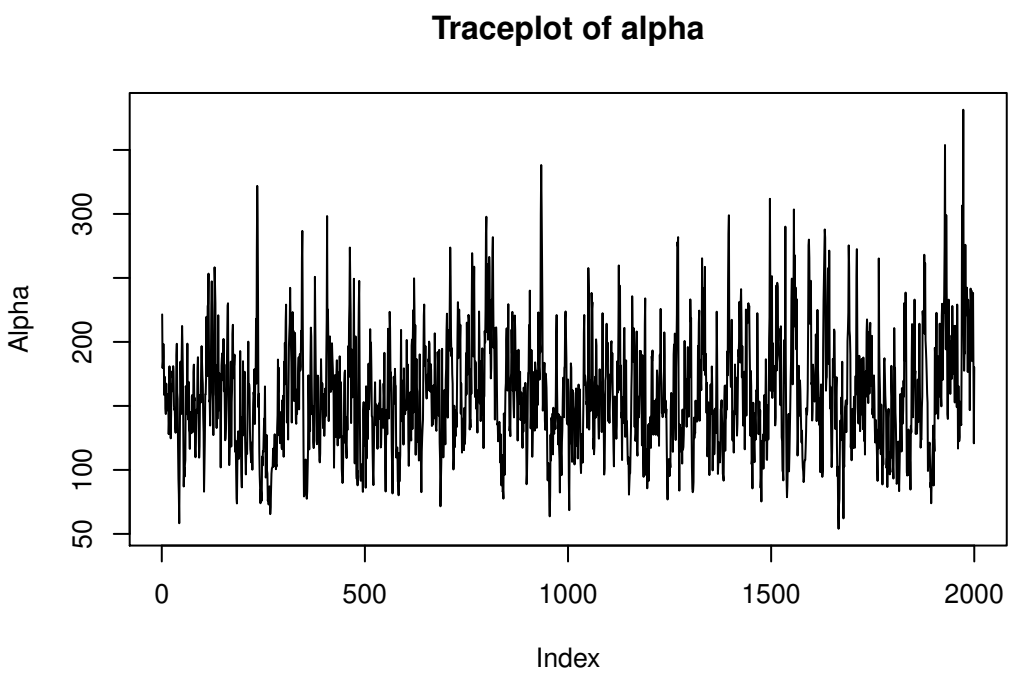

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
50
100
150
200
250
300
350
Alpha

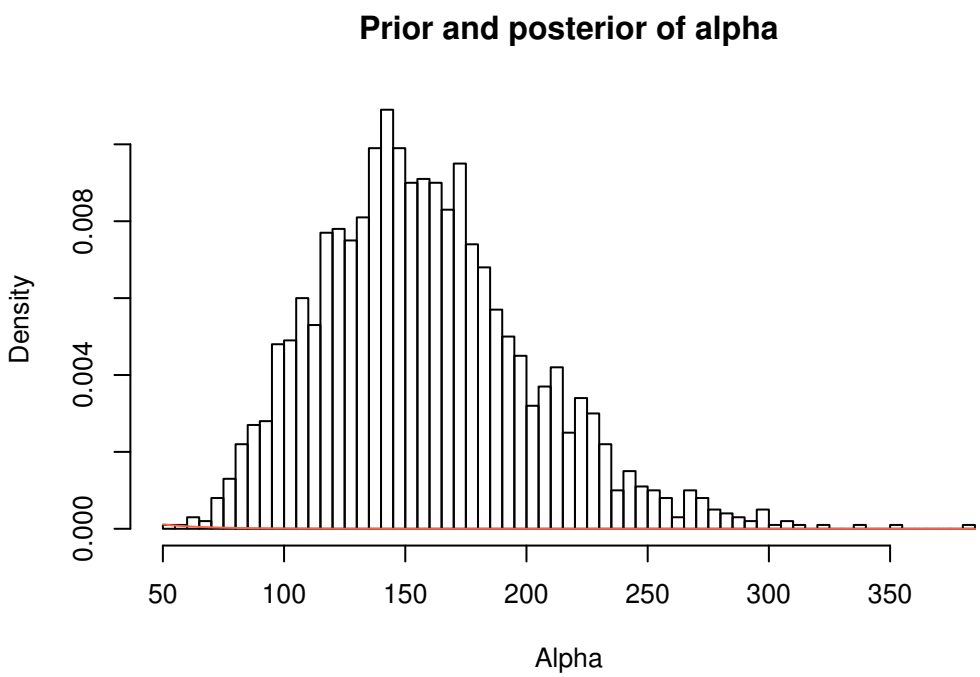

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

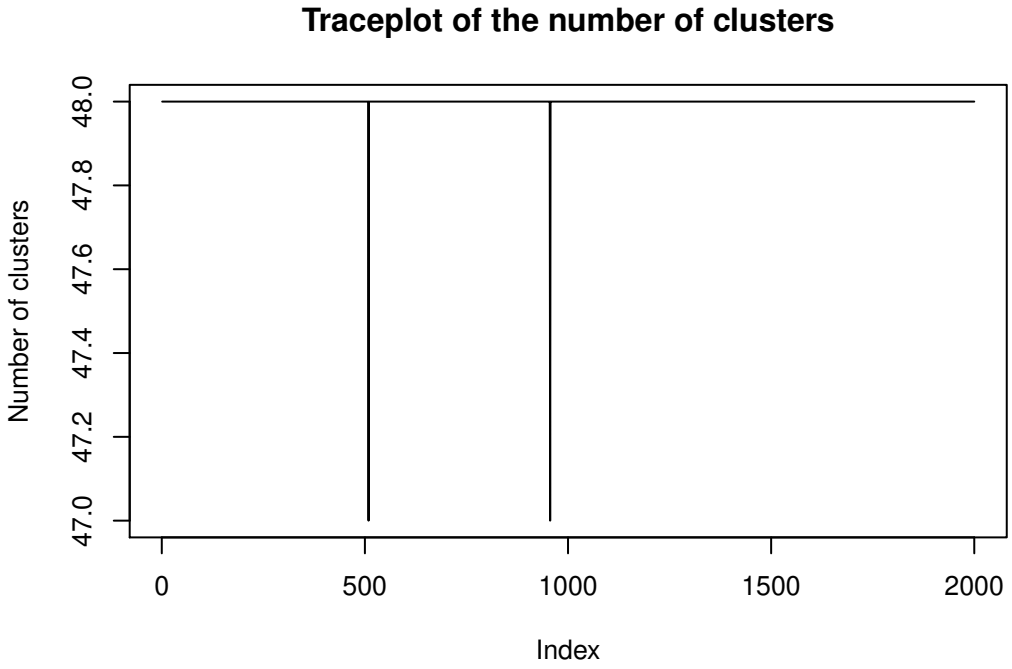

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

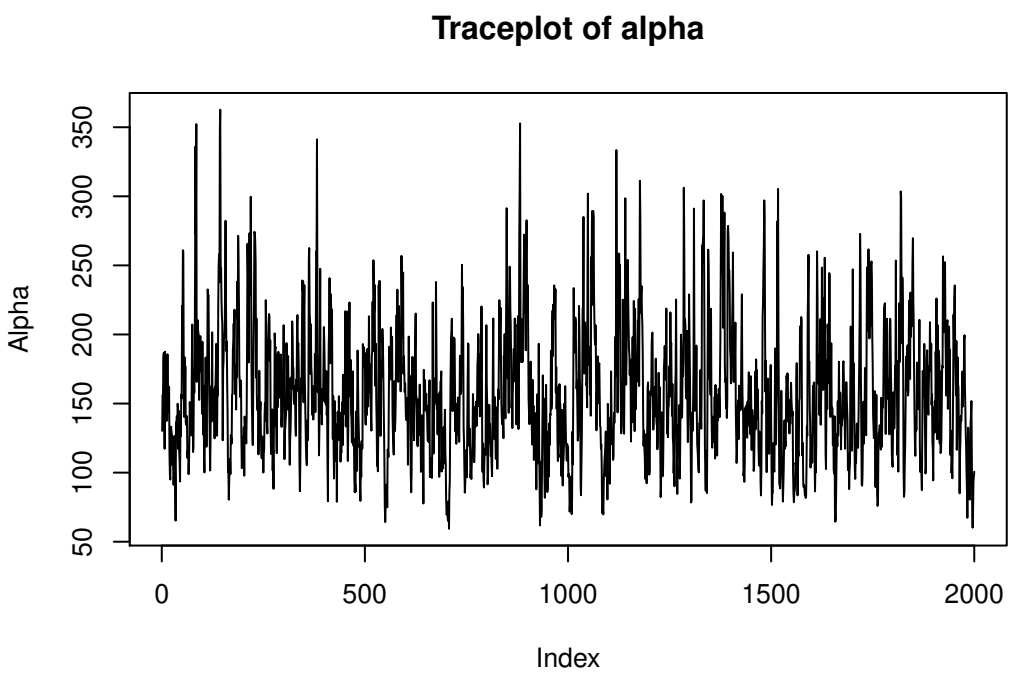

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

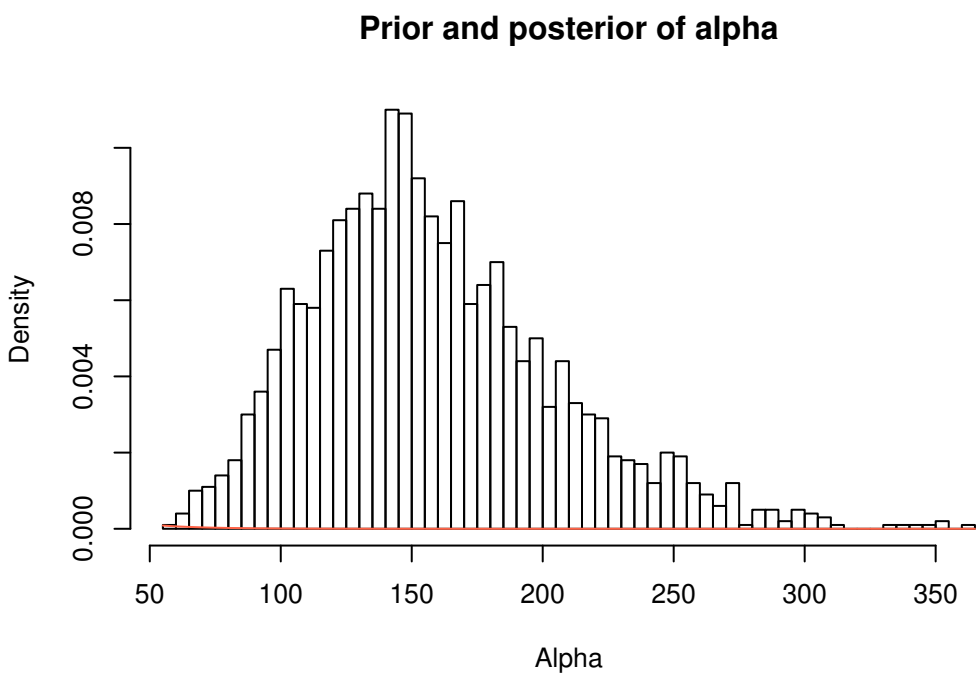

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

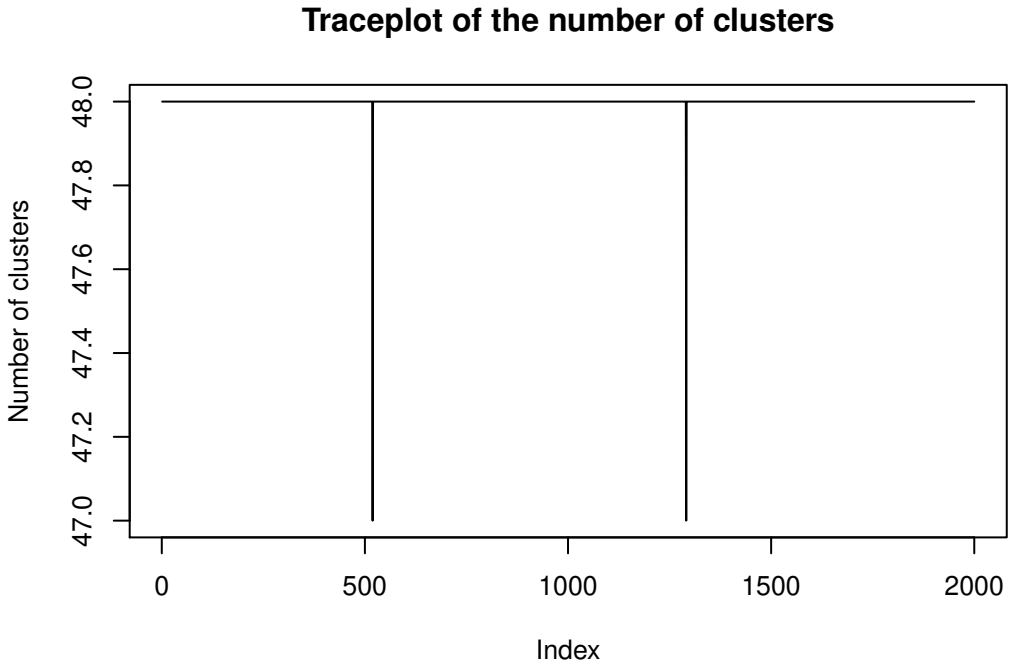

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

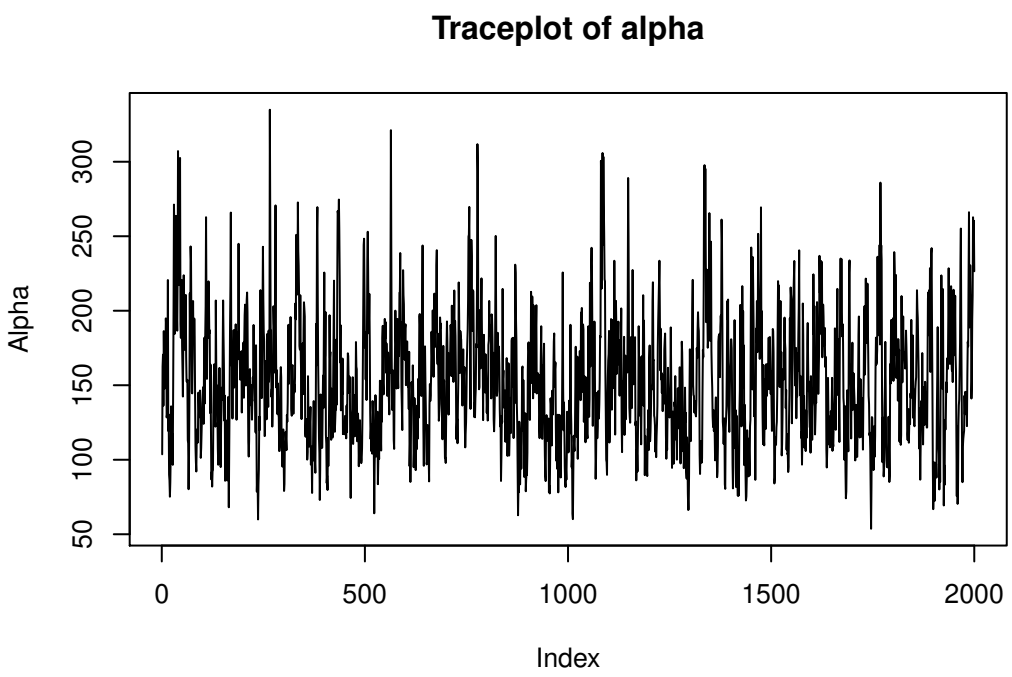

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

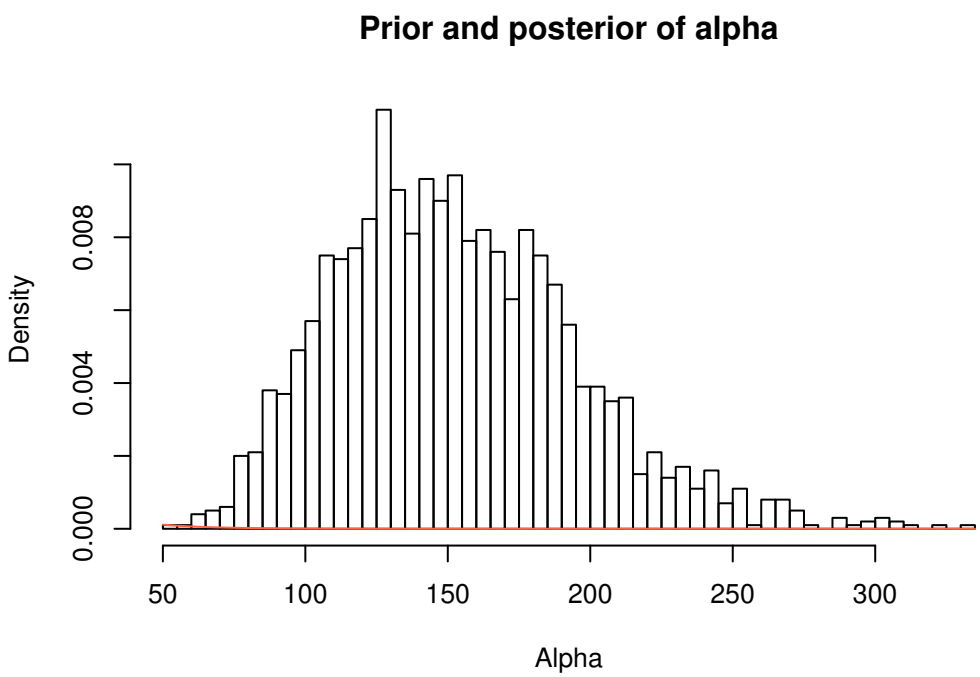

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

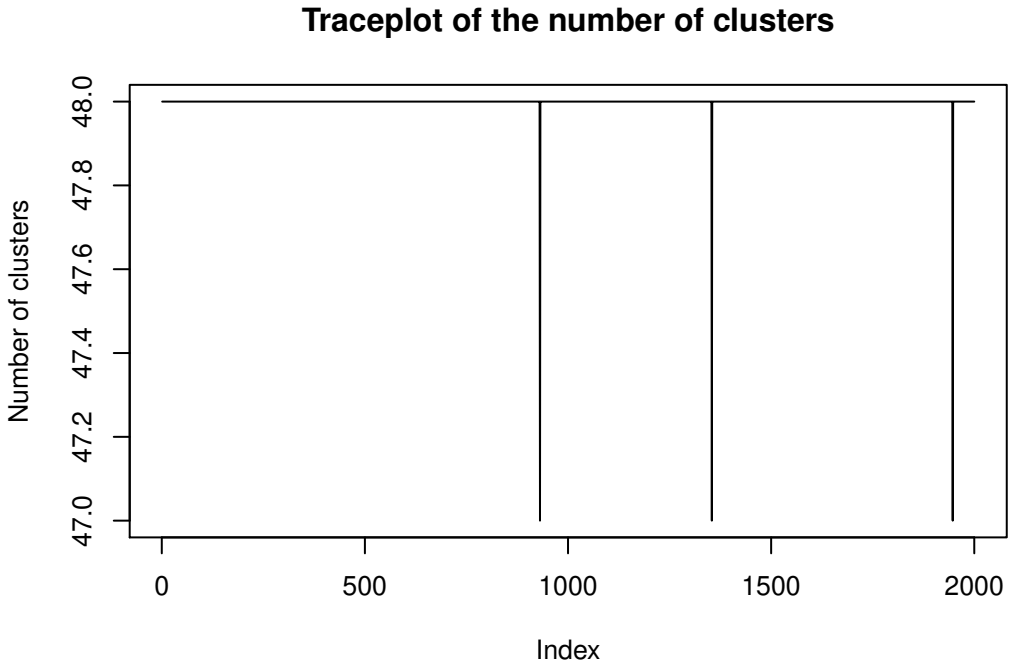

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

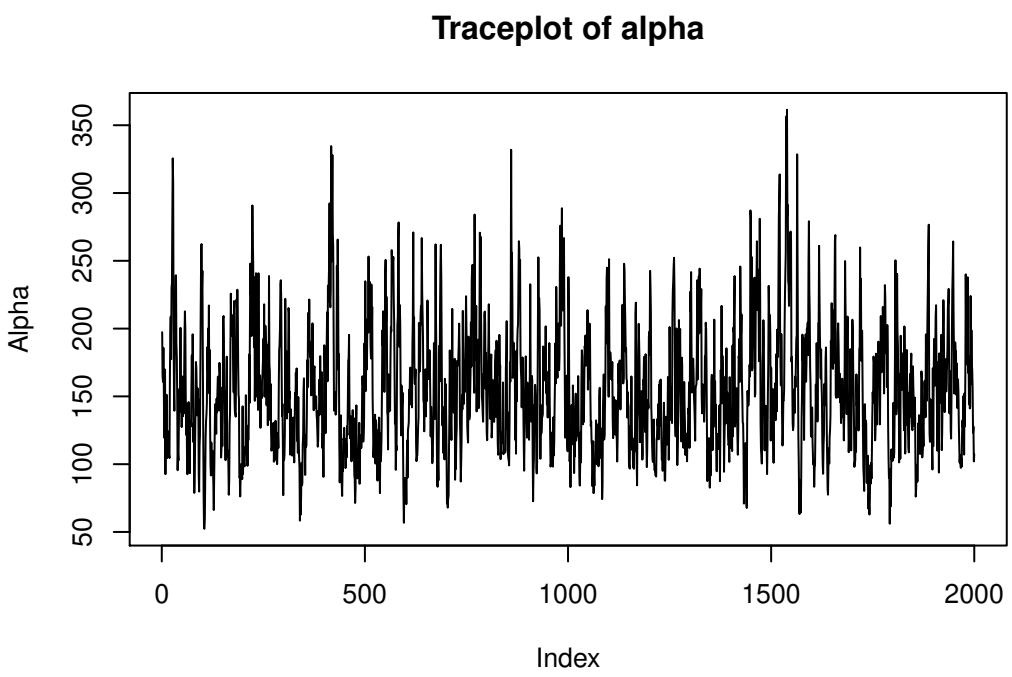

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

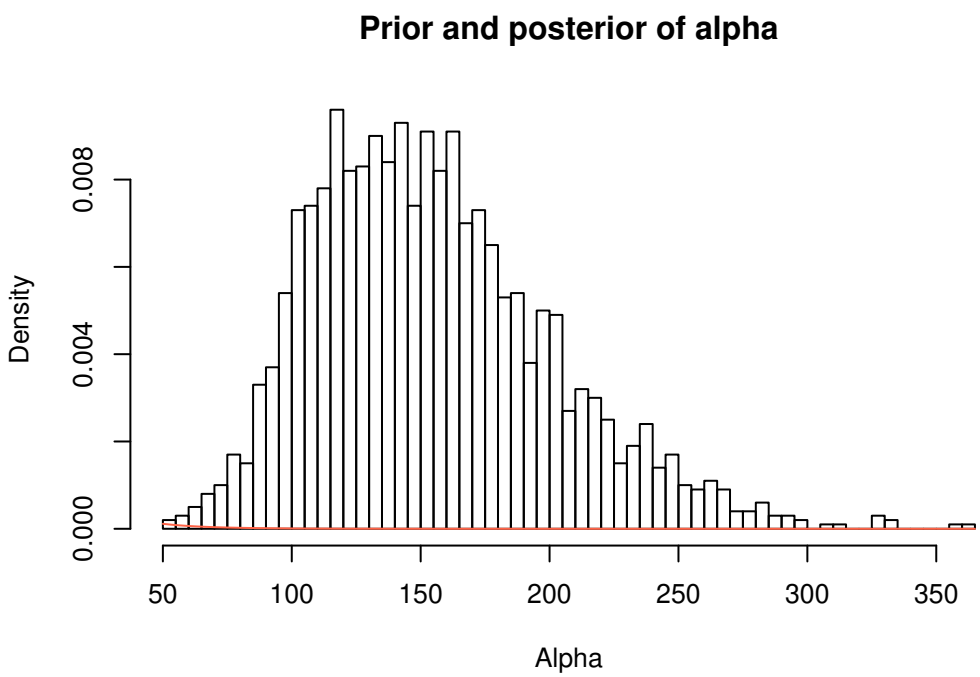

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

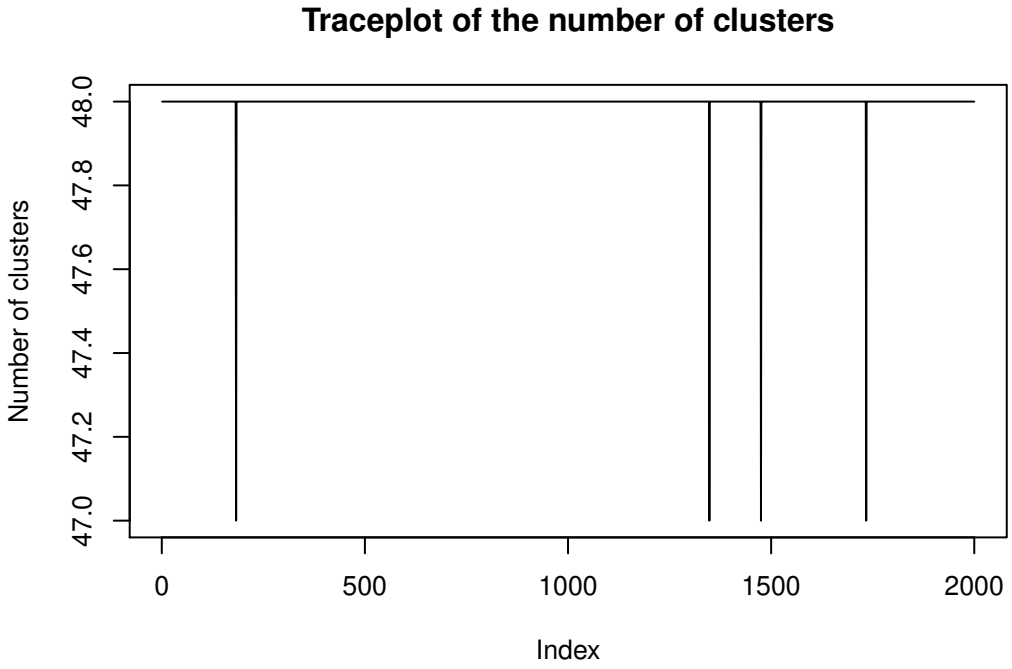

Traceplot of alpha
Alpha
50
100
150
200
250
300
0
500
1000
1500
2000
Index

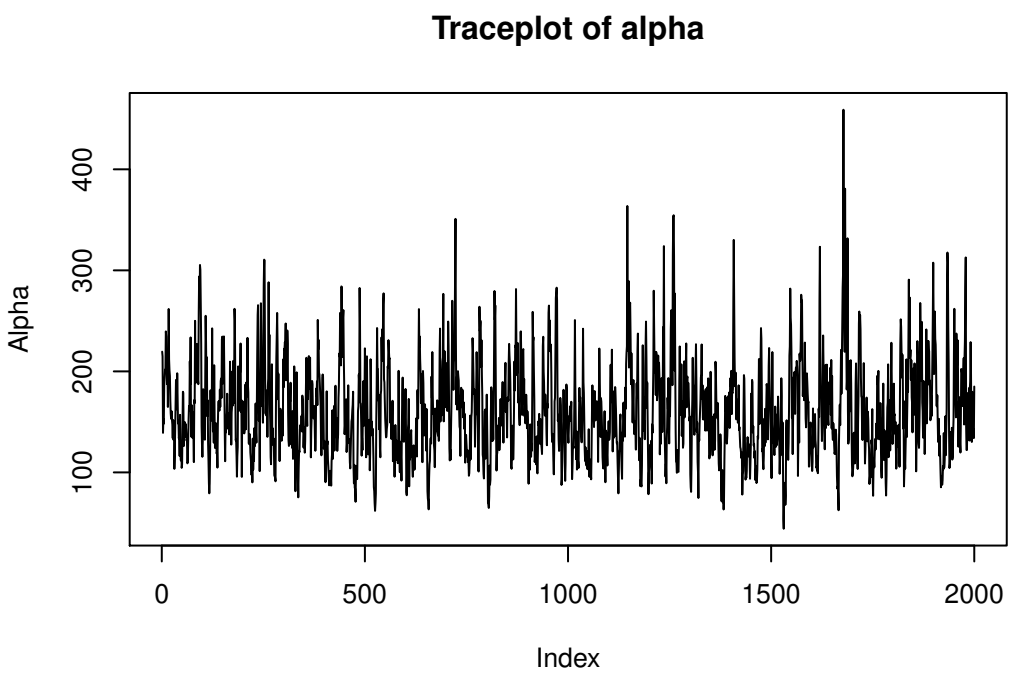

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
Alpha

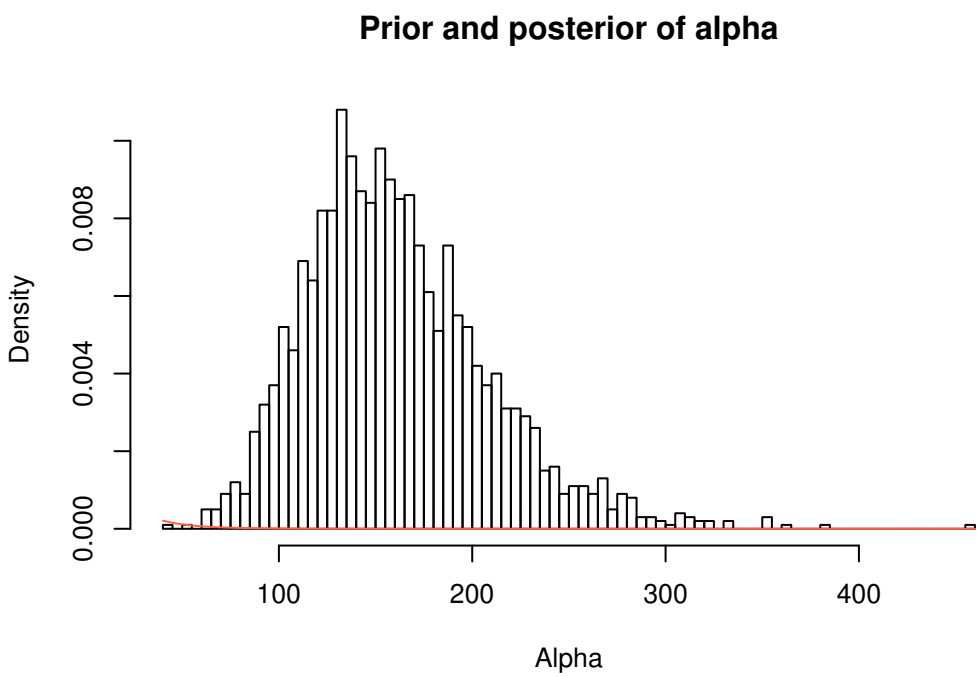

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

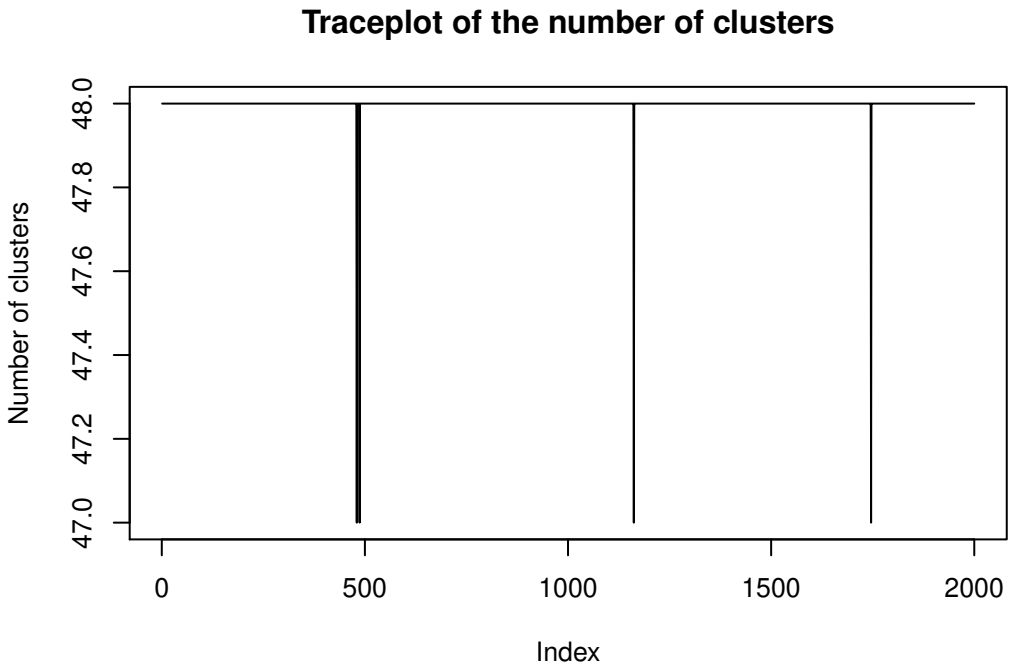

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

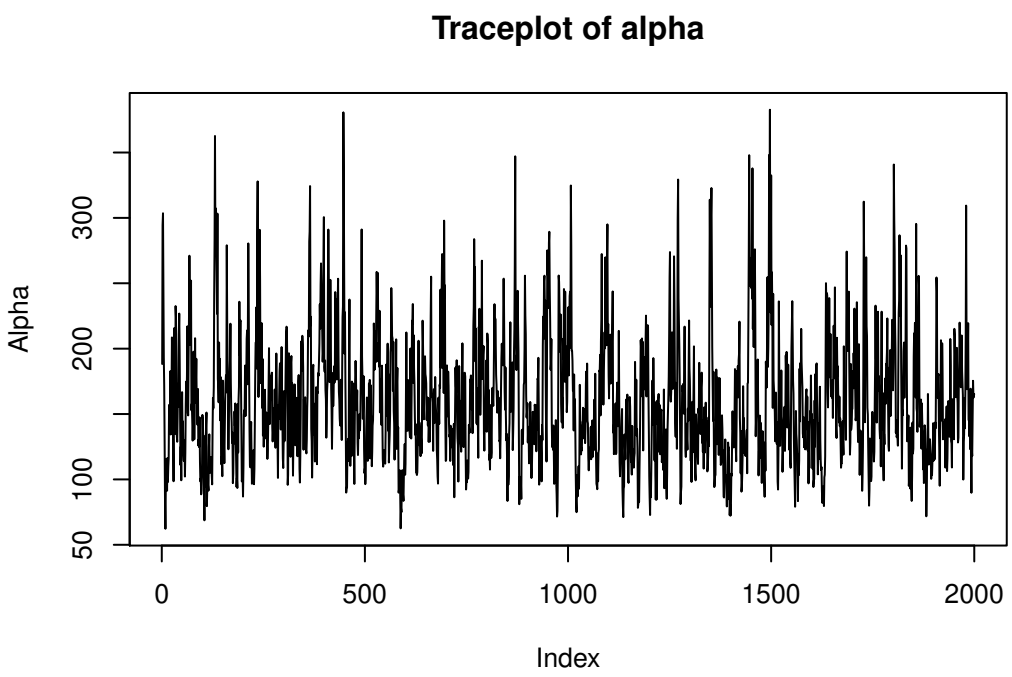

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

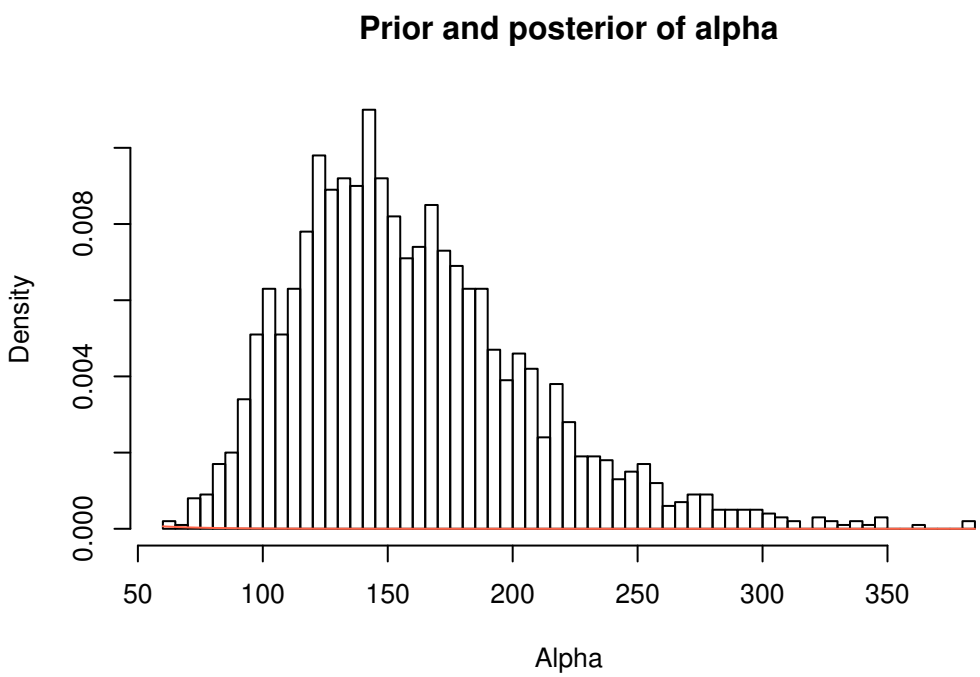

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

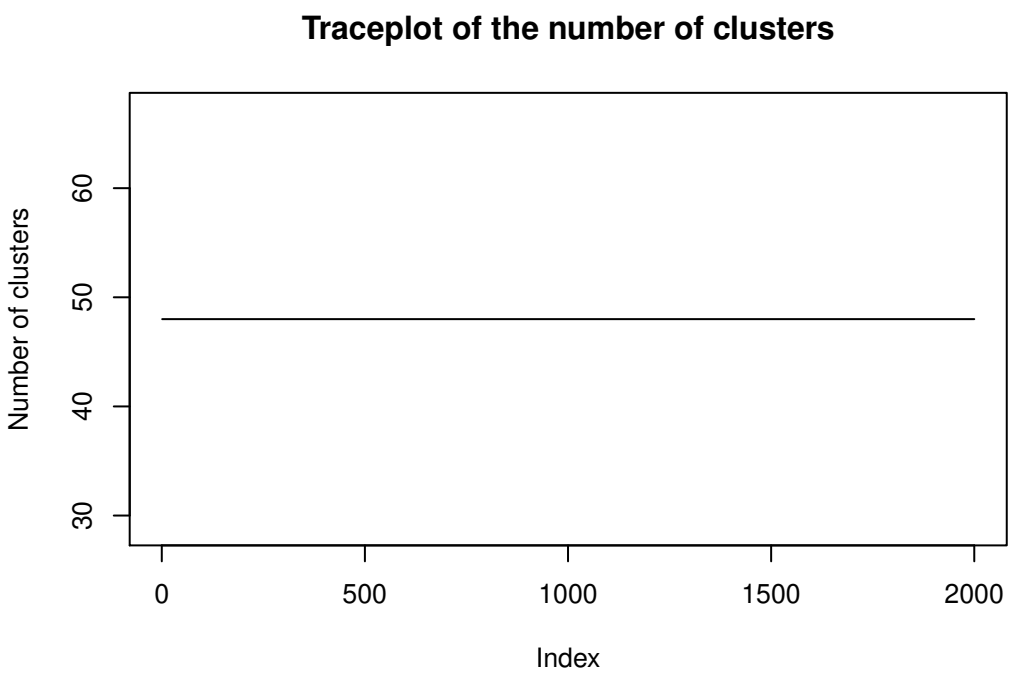

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

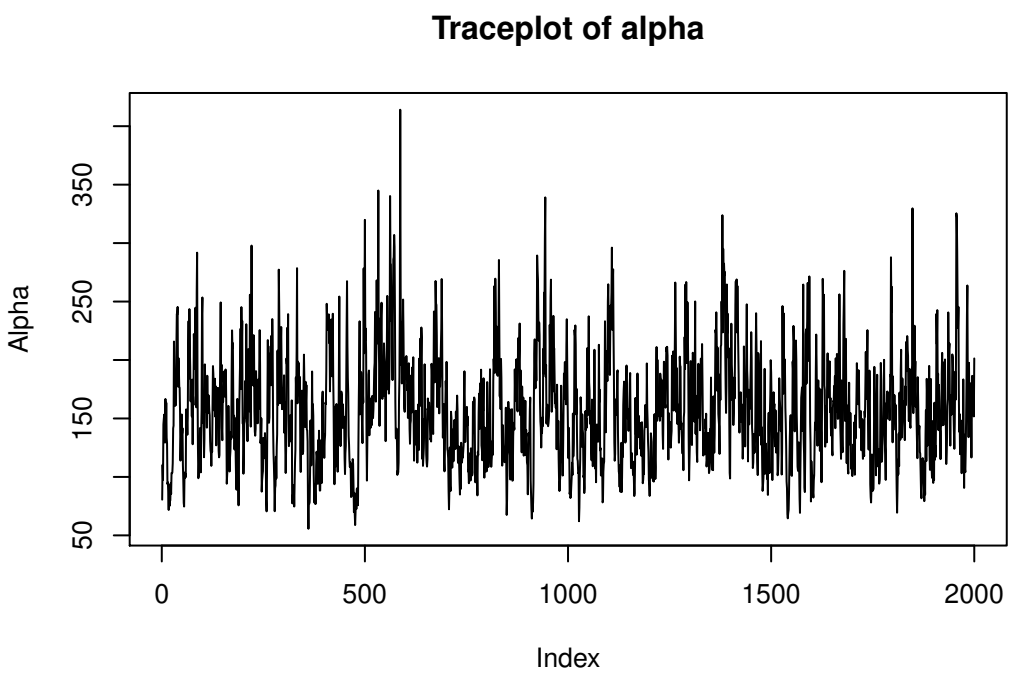

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

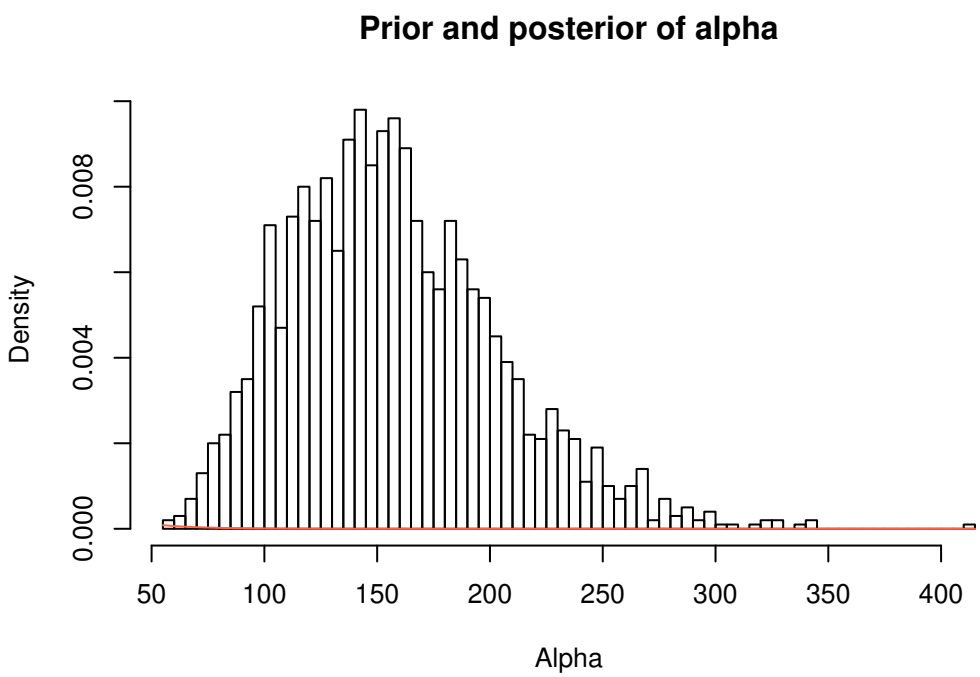

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

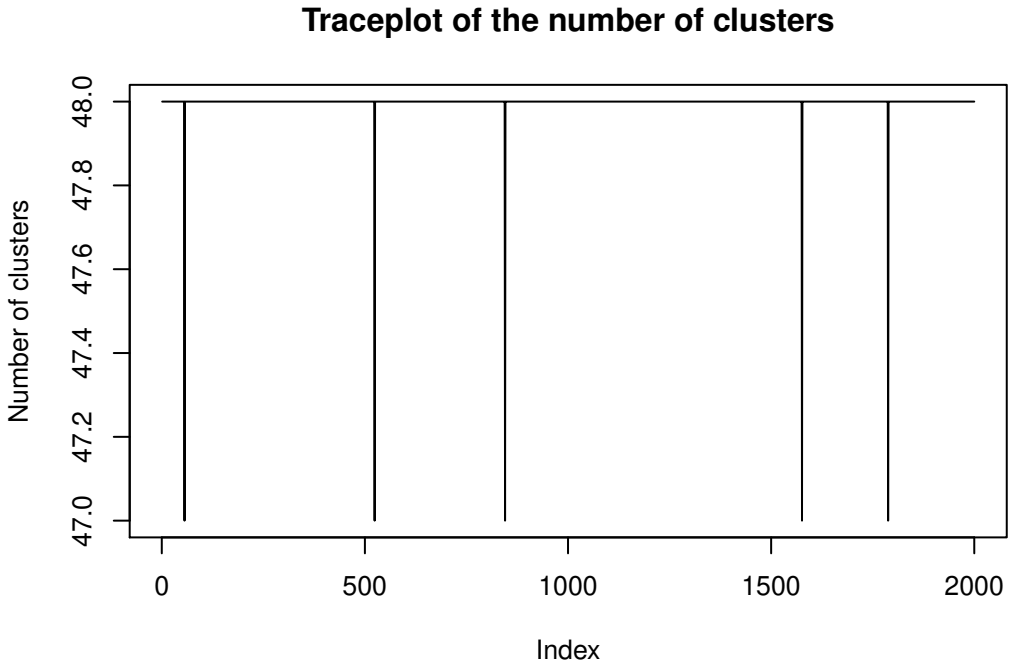

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

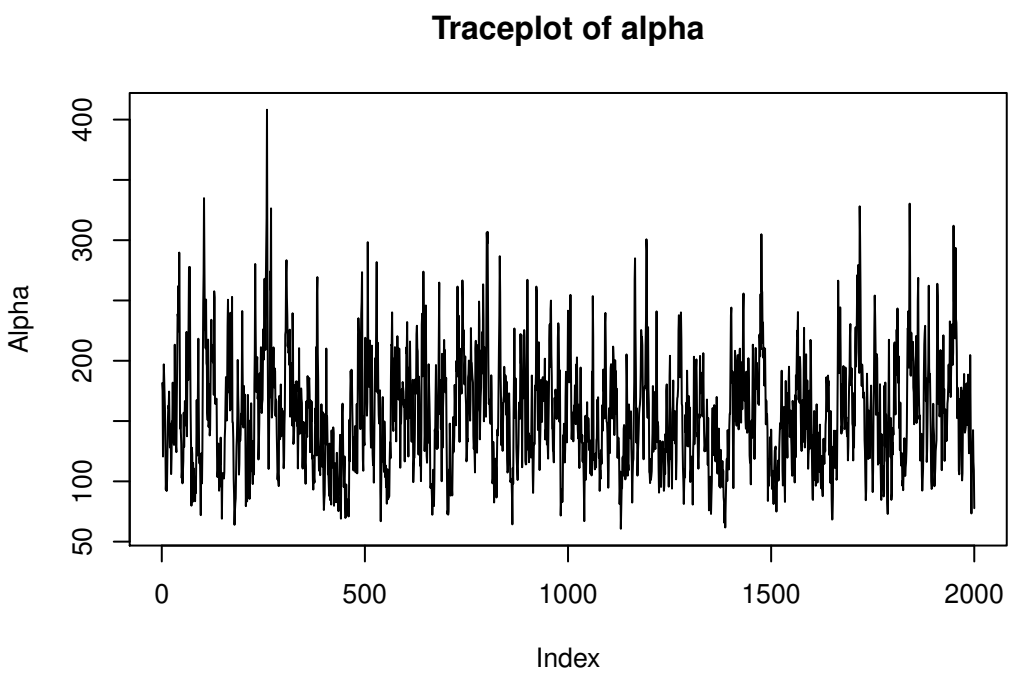

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

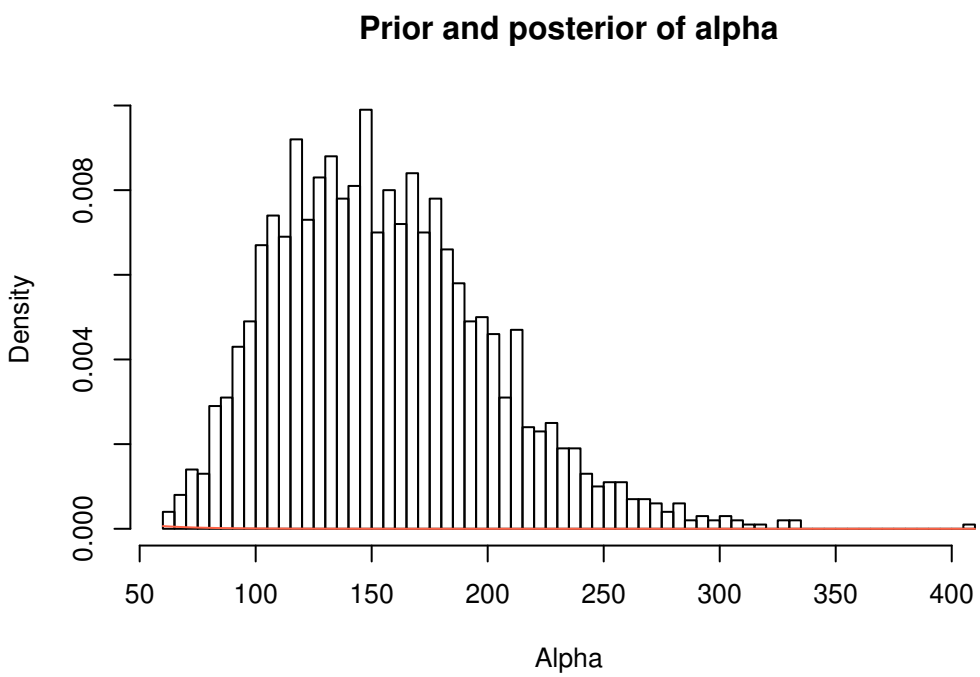

Traceplot of the number of clusters
Number of clusters
30
40
50
60
0
500
1000
1500
2000
Index

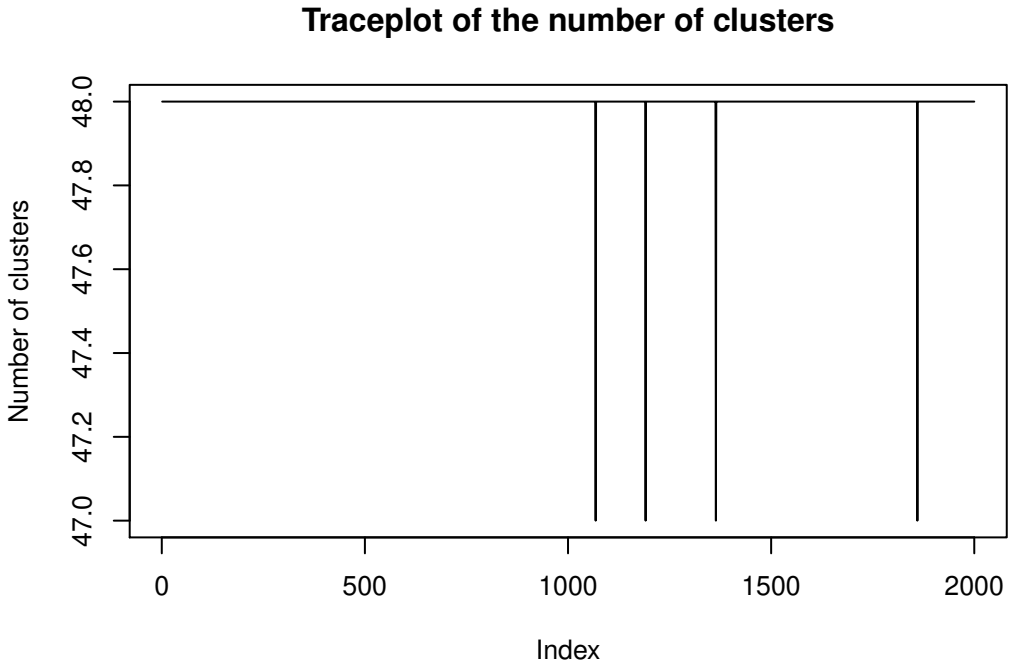

Traceplot of alpha
Alpha
50
150
250
350
0
500
1000
1500
2000
Index

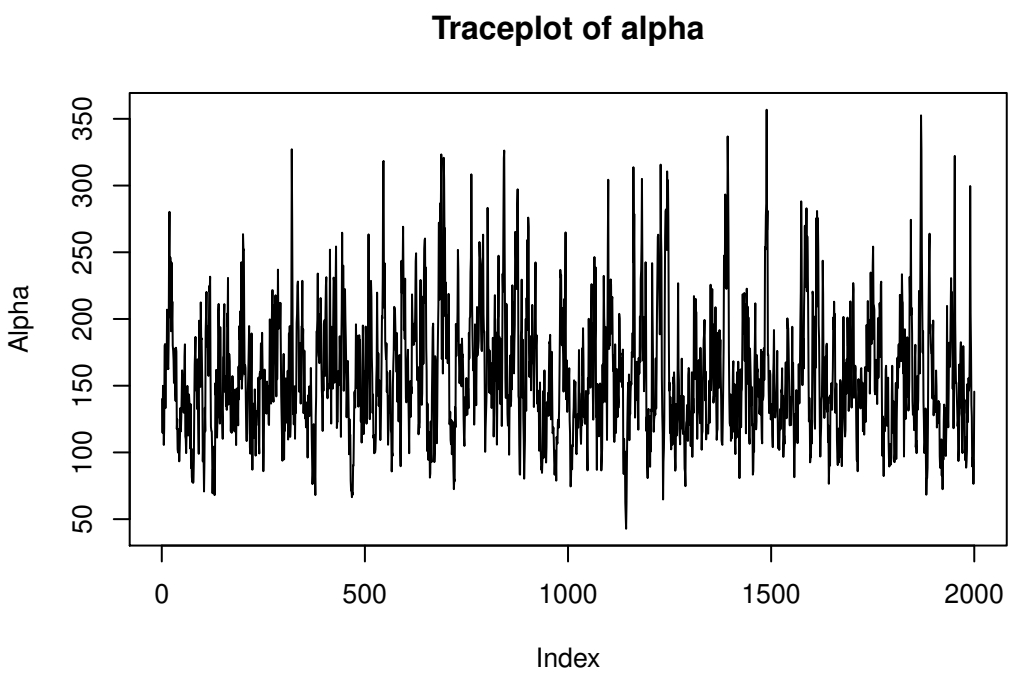

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

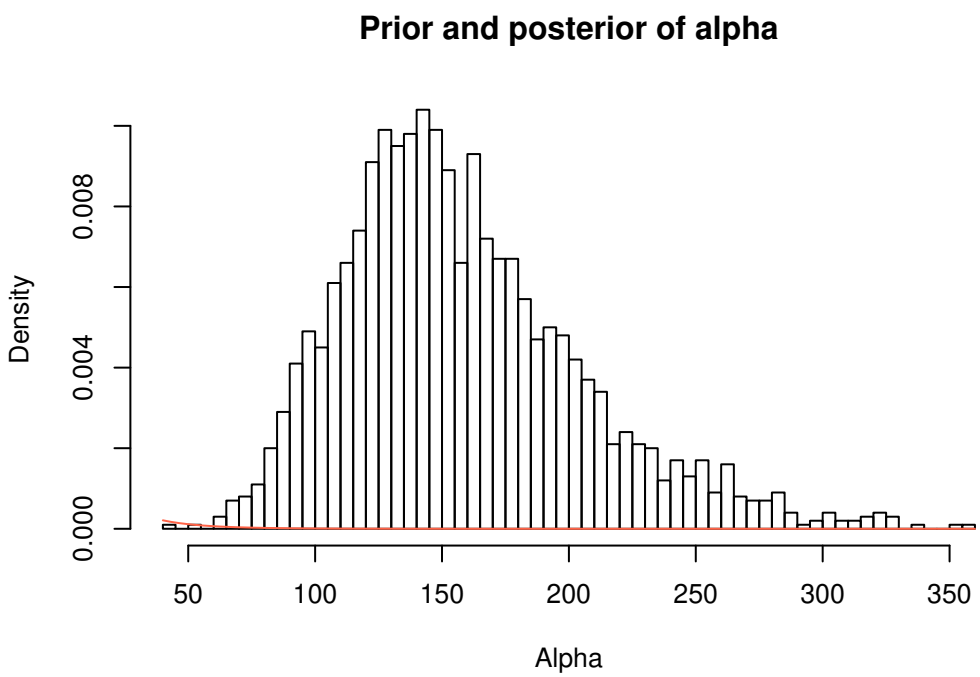

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

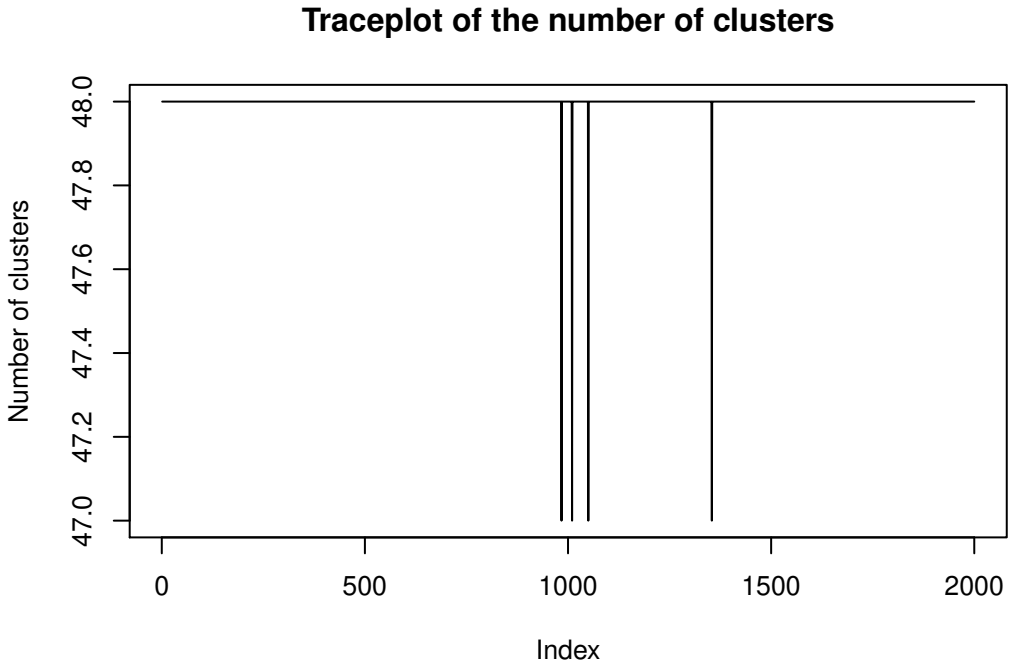

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

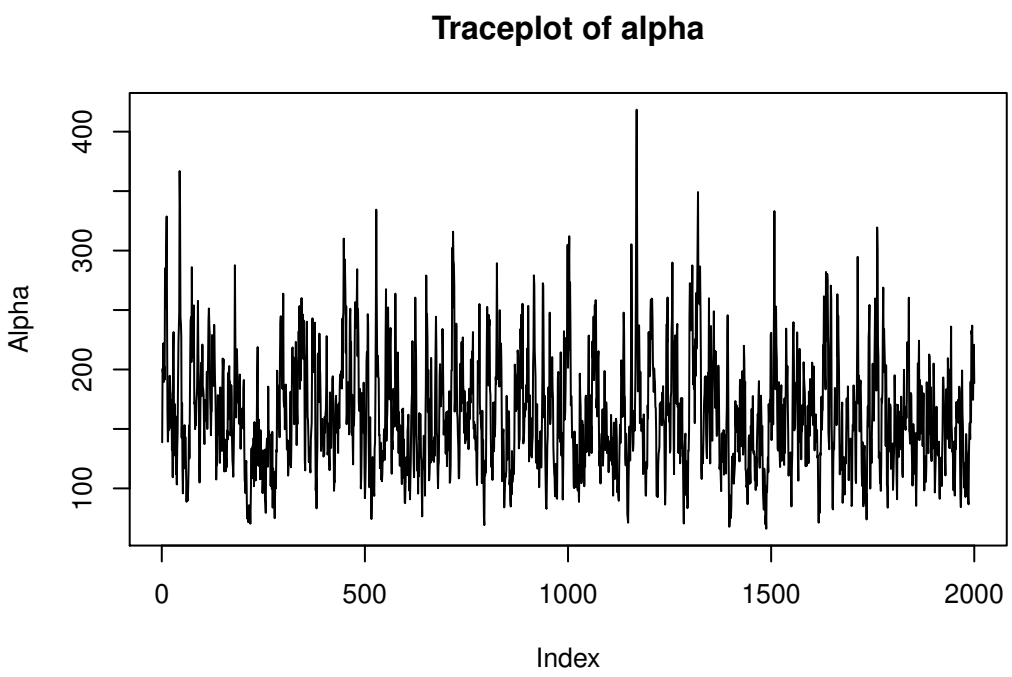

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

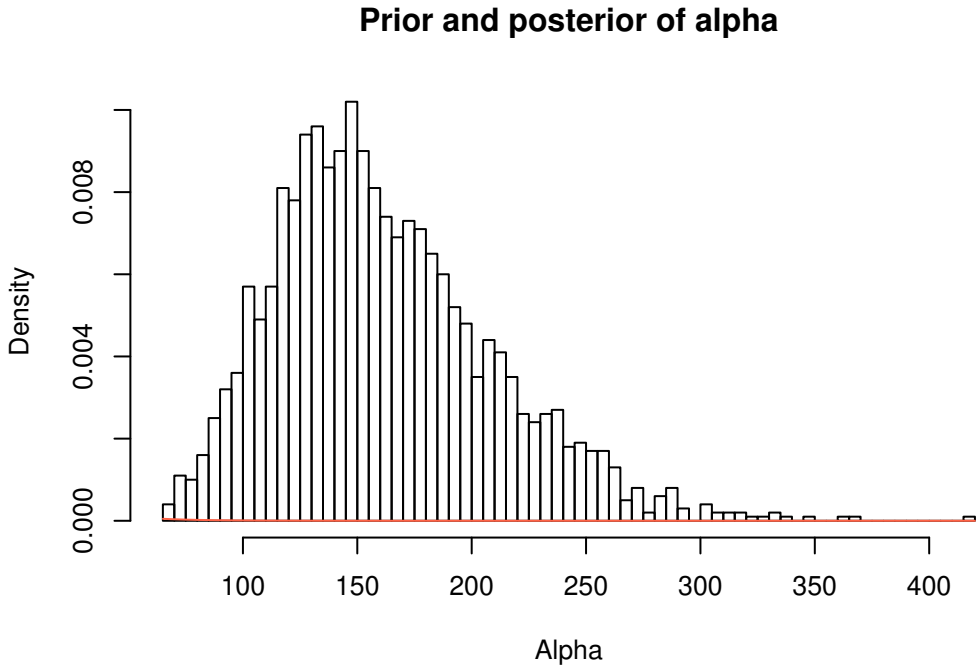

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

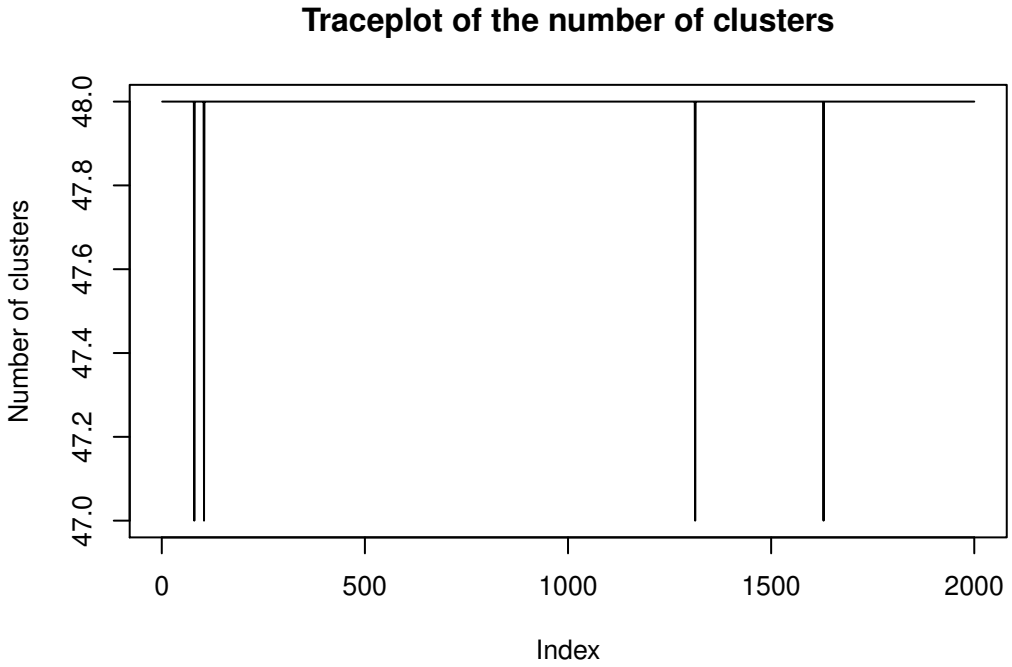

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

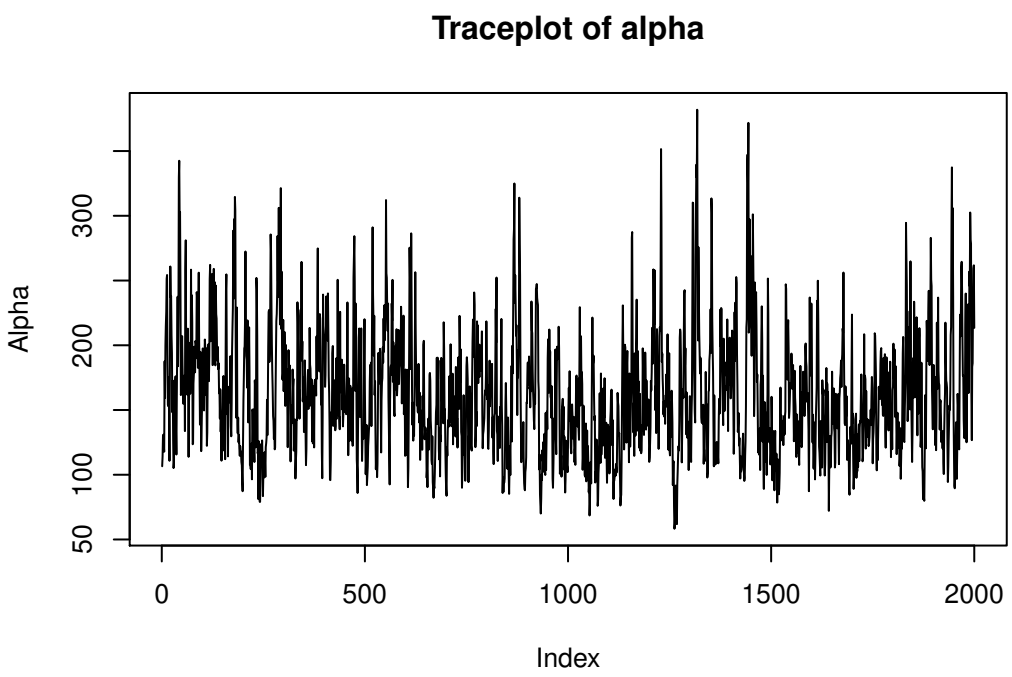

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

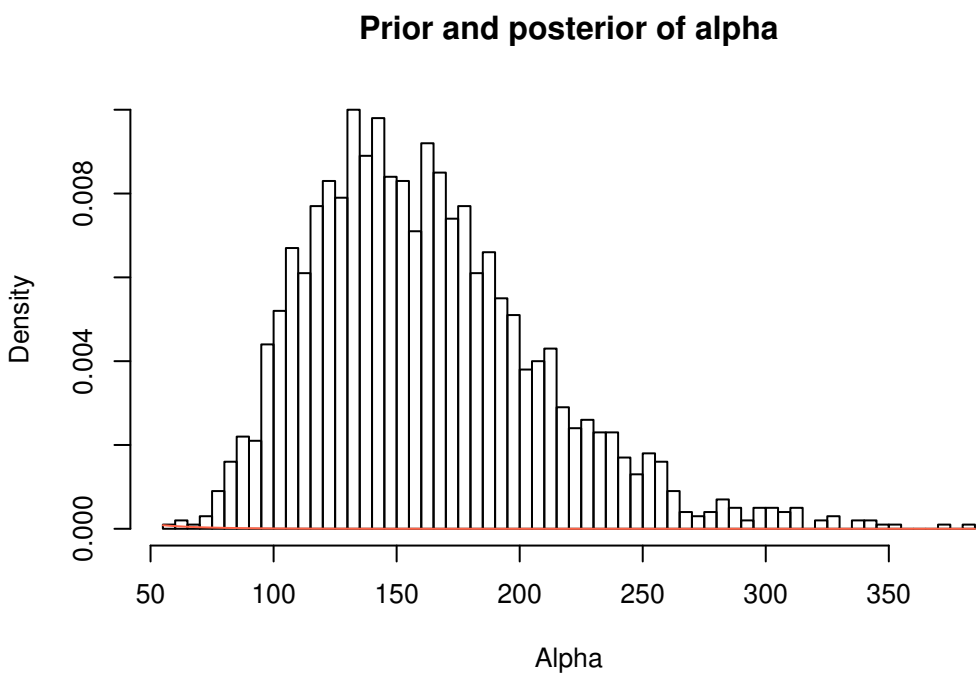

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

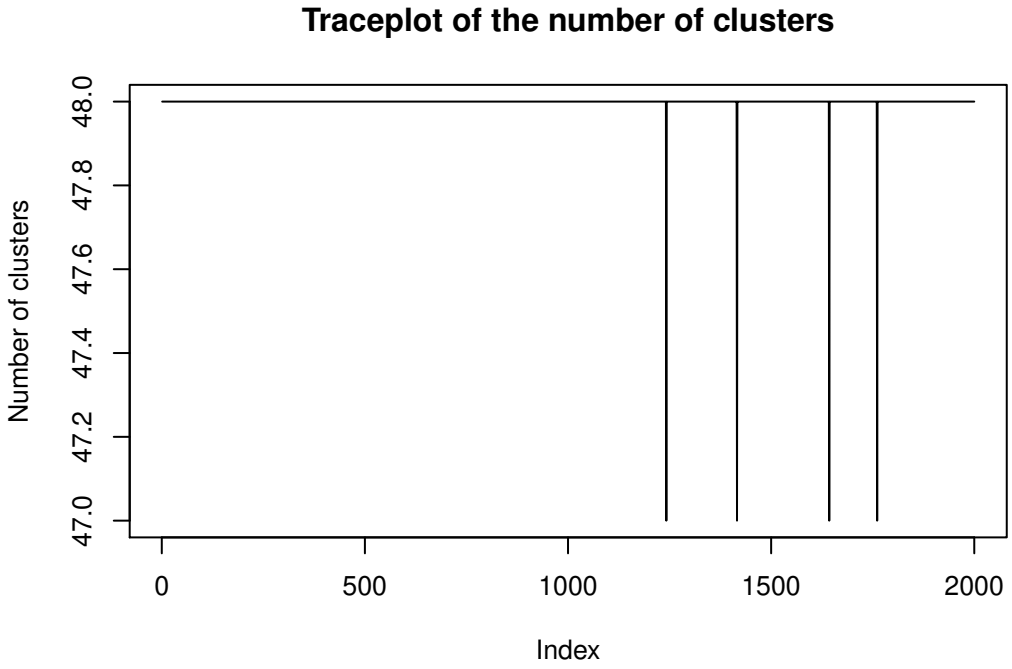

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

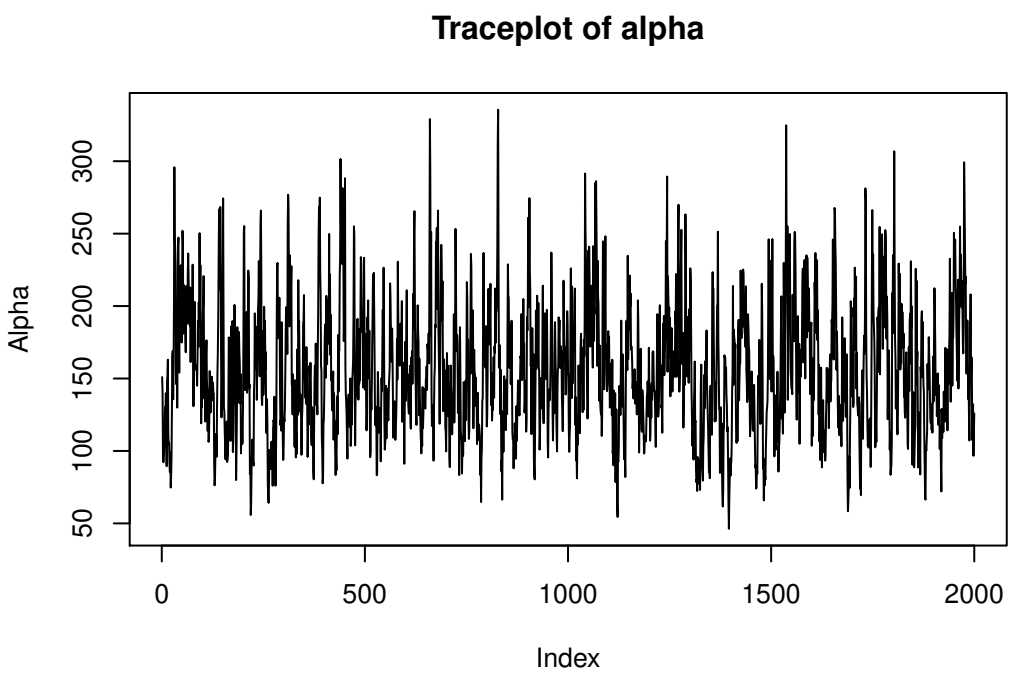

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
150
200
250
300
350
400
Alpha

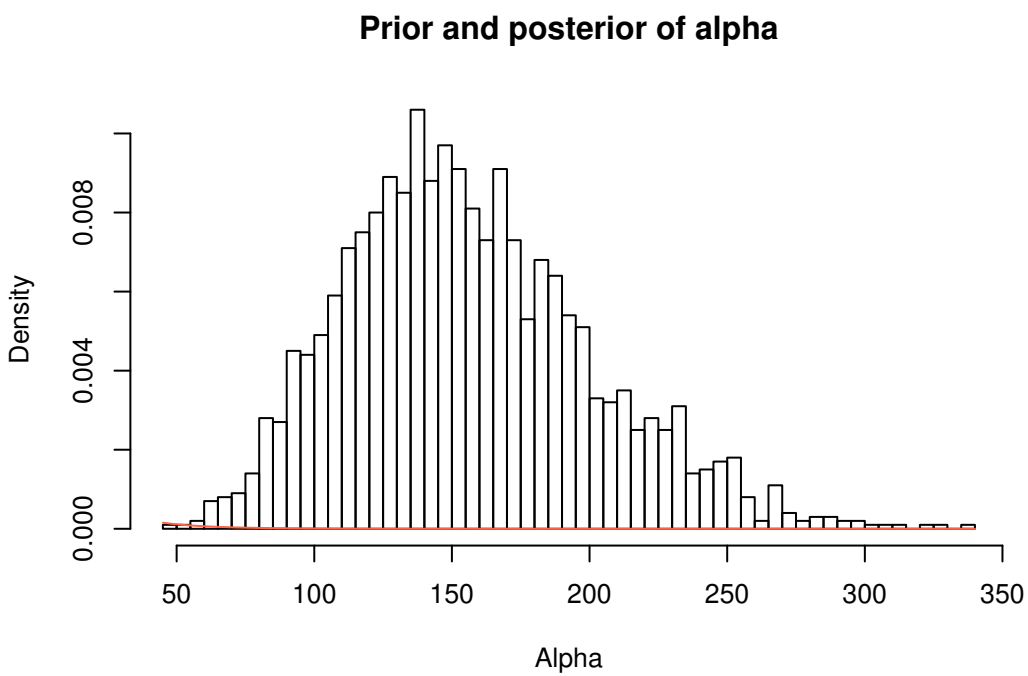

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

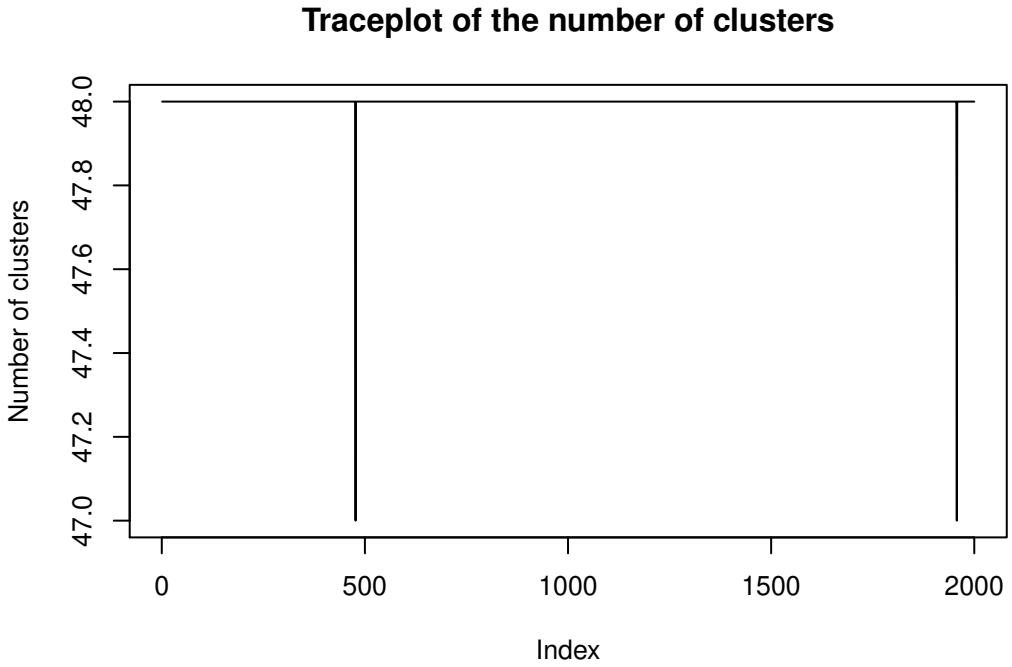

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

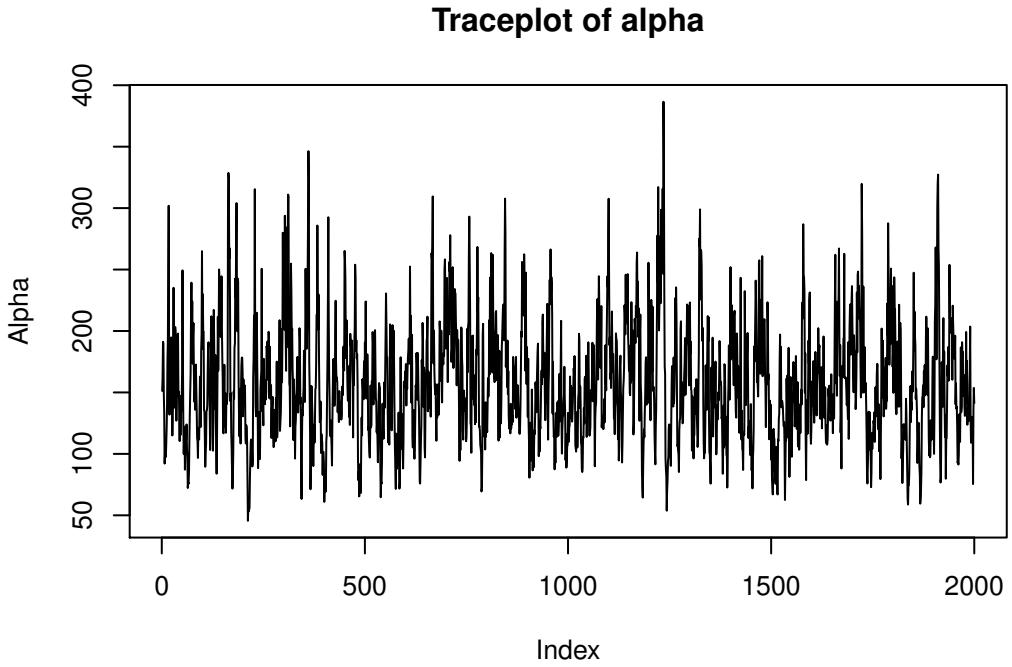

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

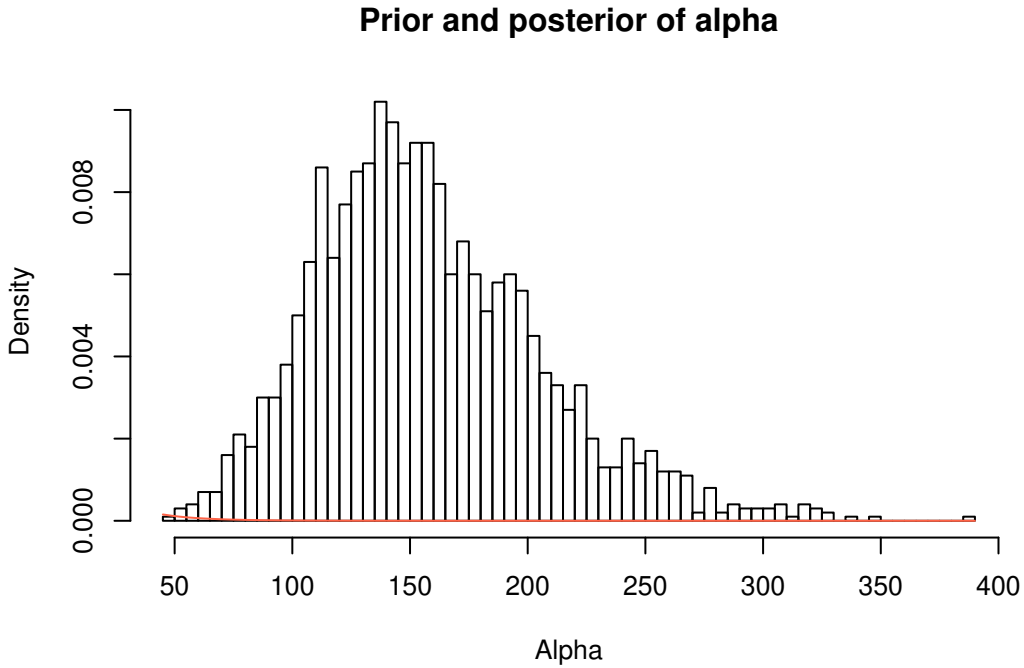

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

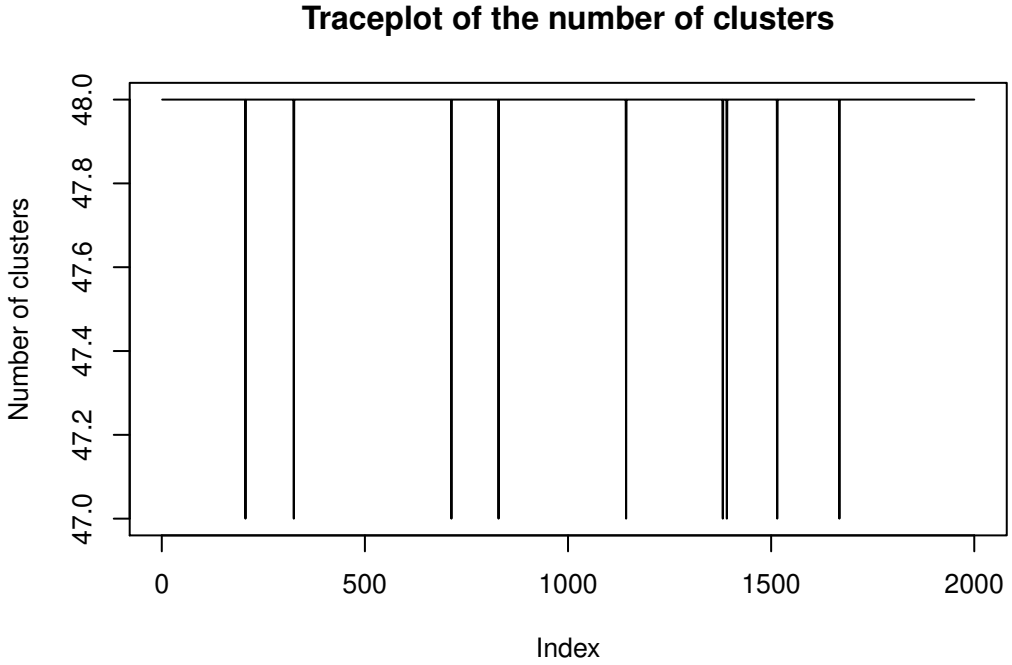

Traceplot of alpha
Alpha
50
100
150
200
250
300
0
500
1000
1500
2000
Index

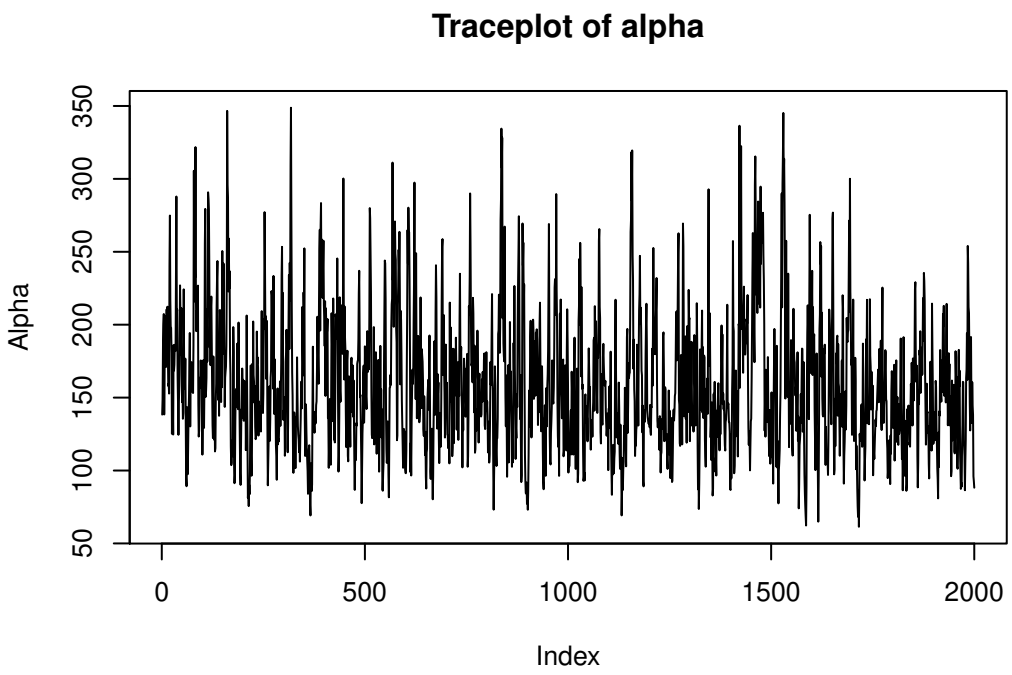

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

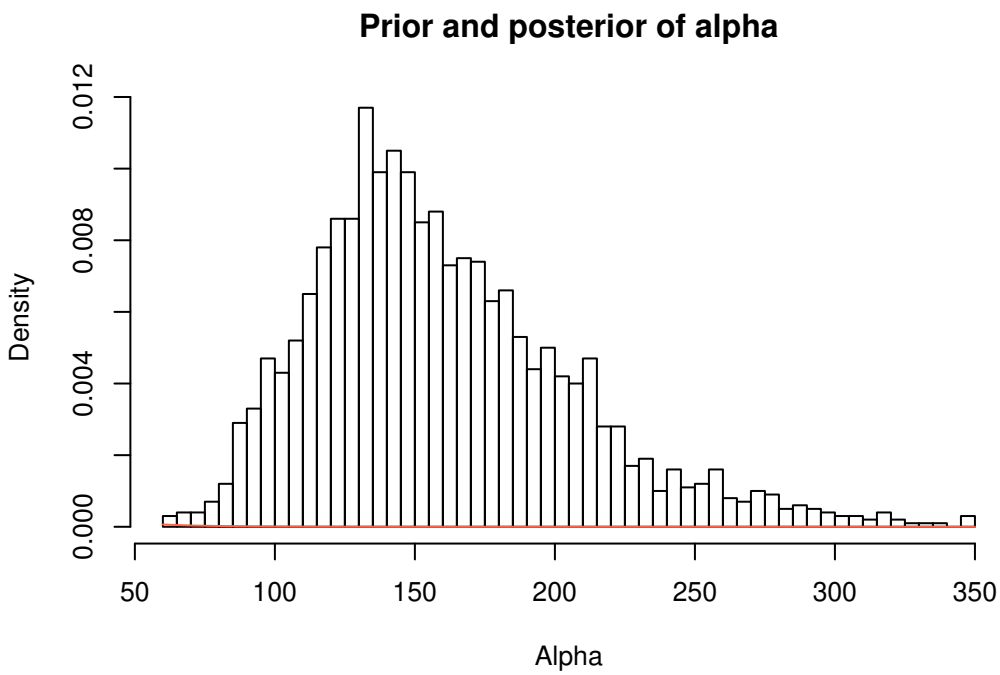

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

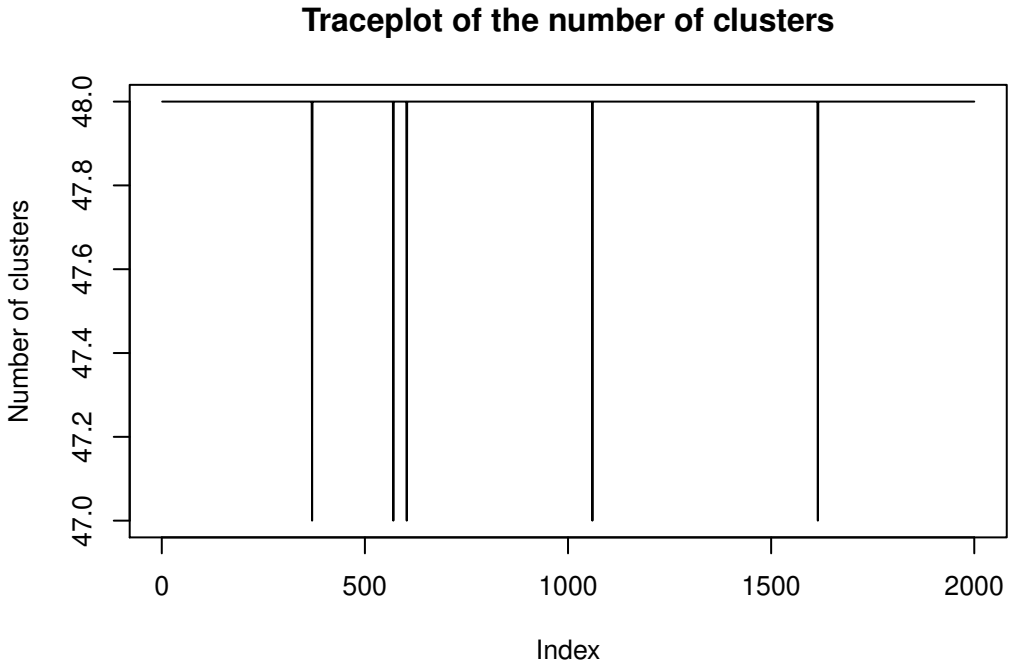

Traceplot of alpha
Alpha
Index
50
100
200
300
400
0
500
1000
1500
2000

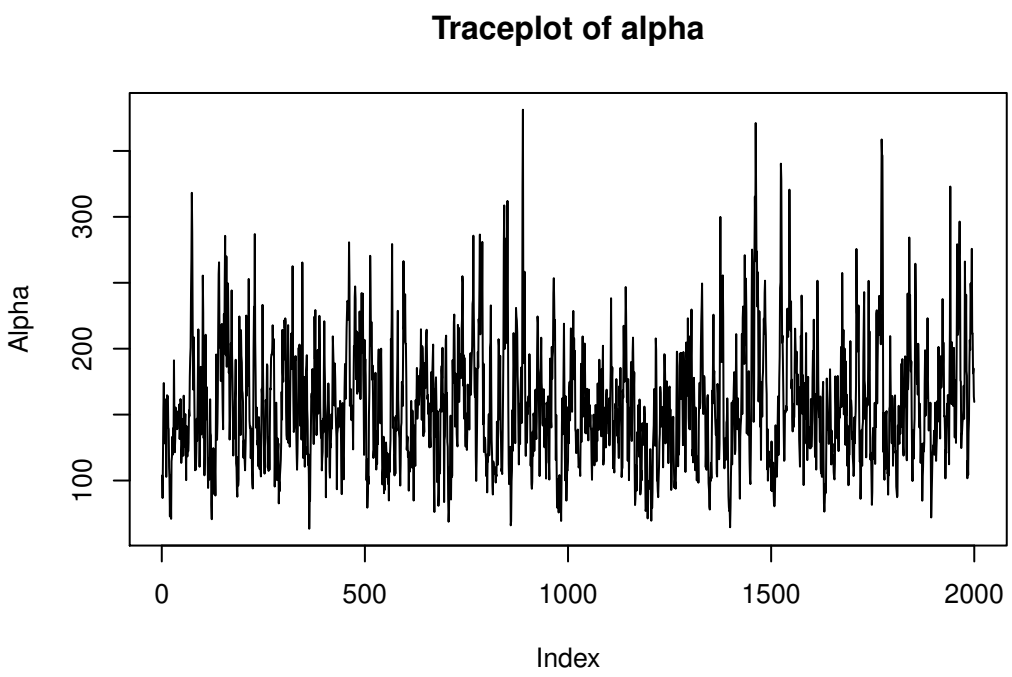

Prior and posterior of alpha
Density
Alpha
0.000
0.004
0.008
50
100
150
200
250
300
350
400

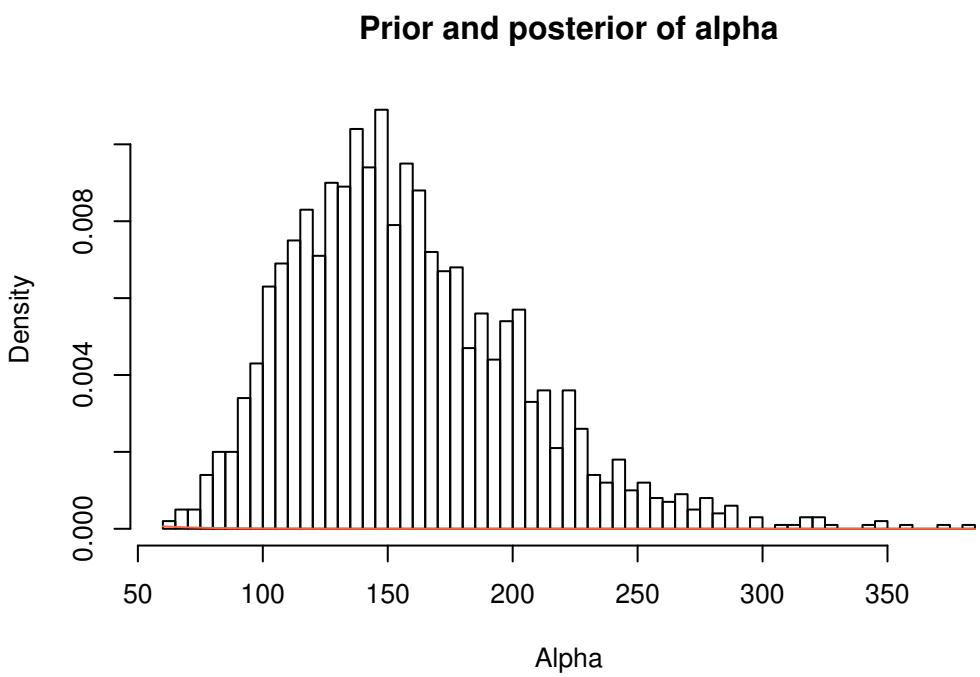

Traceplot of the number of clusters
Number of clusters
Index
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000

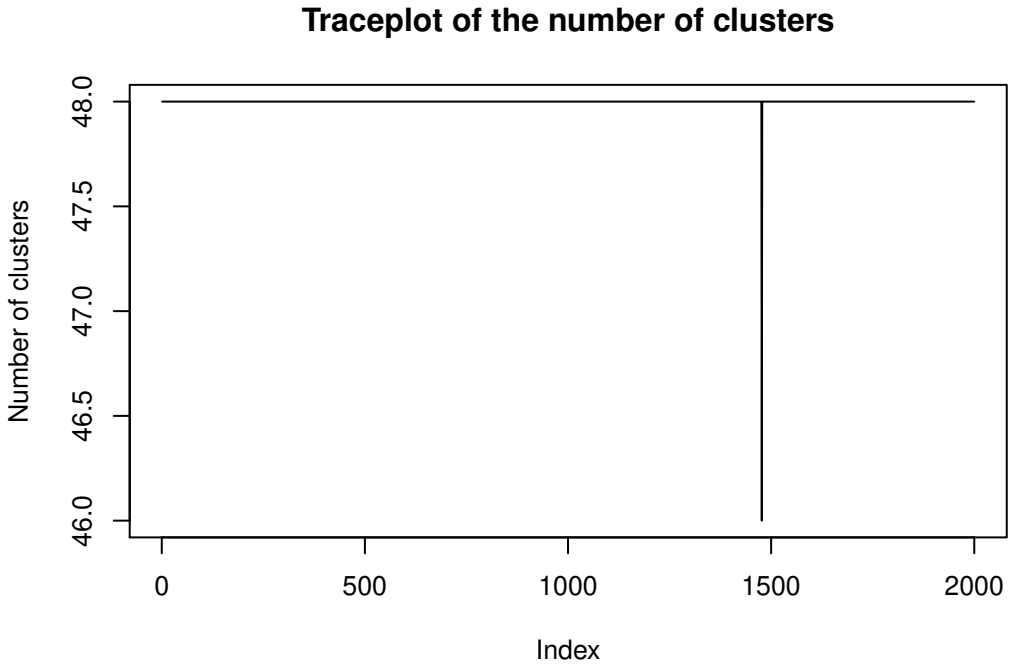

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

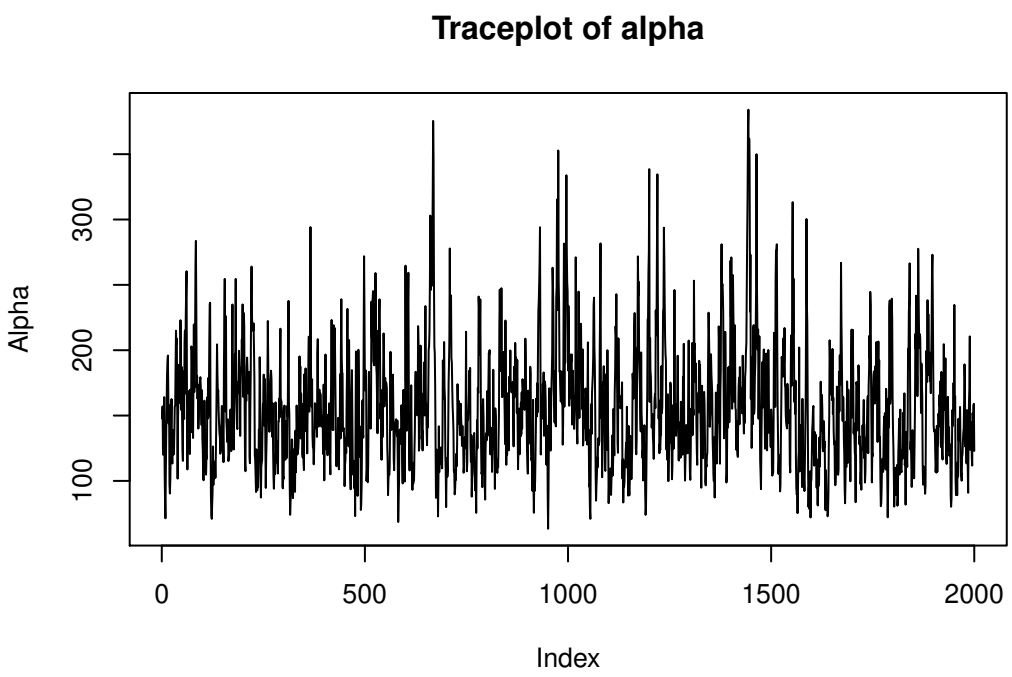

Prior and posterior of alpha
Density
0.000
0.004
0.008
0.012
50
100
150
200
250
300
350
Alpha

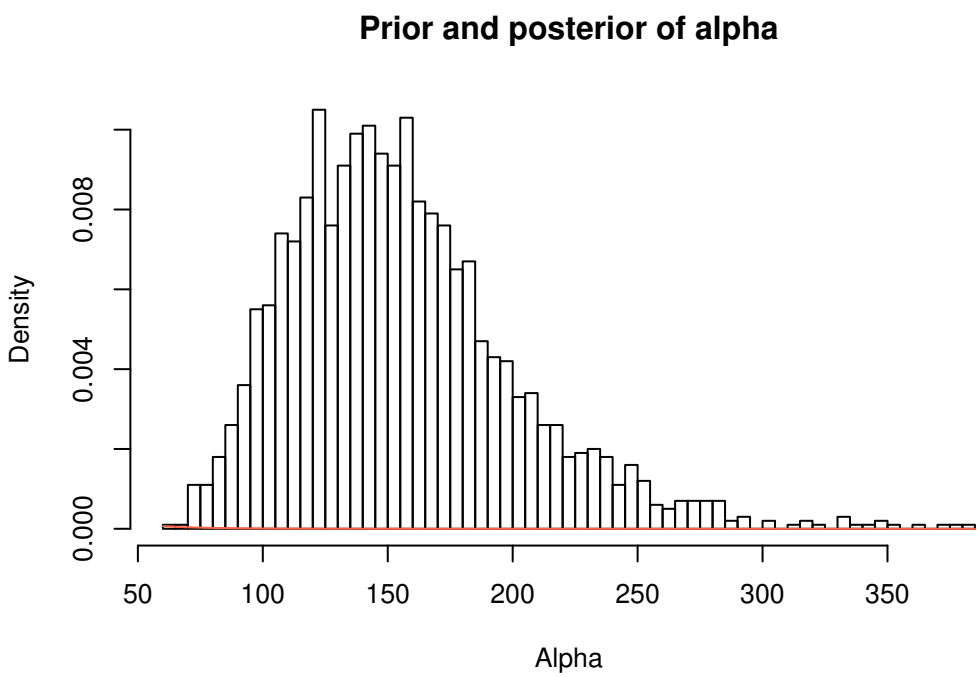

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

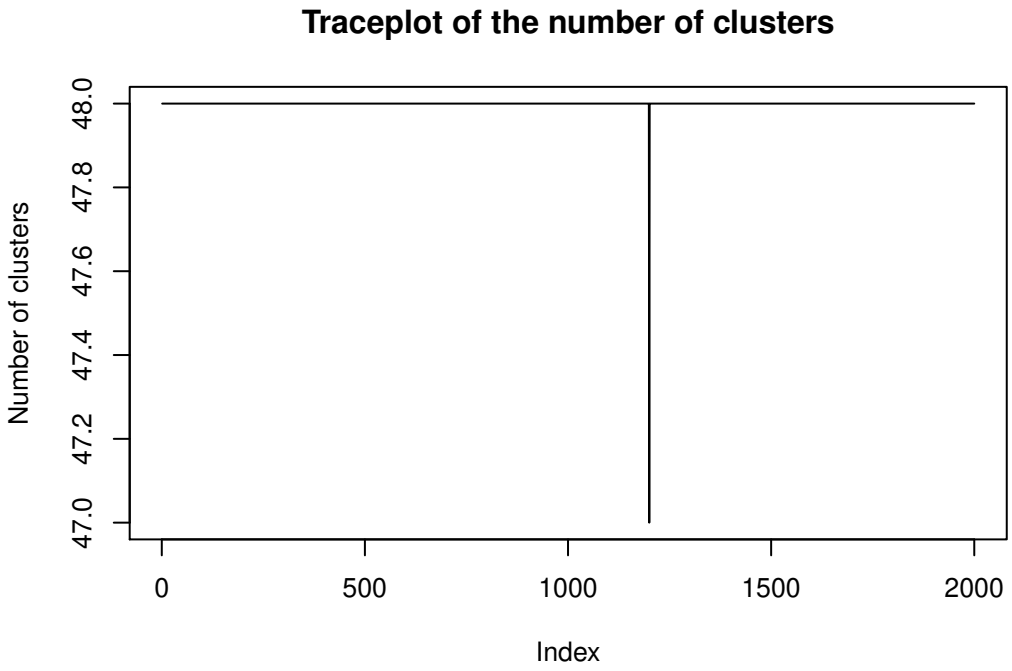

Traceplot of alpha
Alpha
100
200
300
0
500
1000
1500
2000
Index

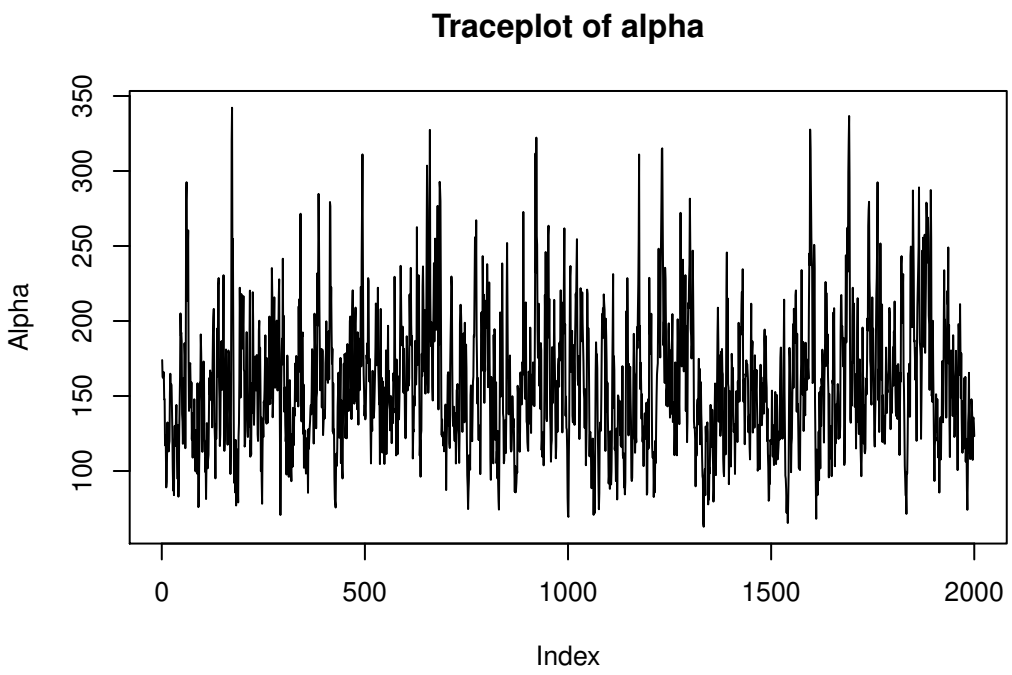

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

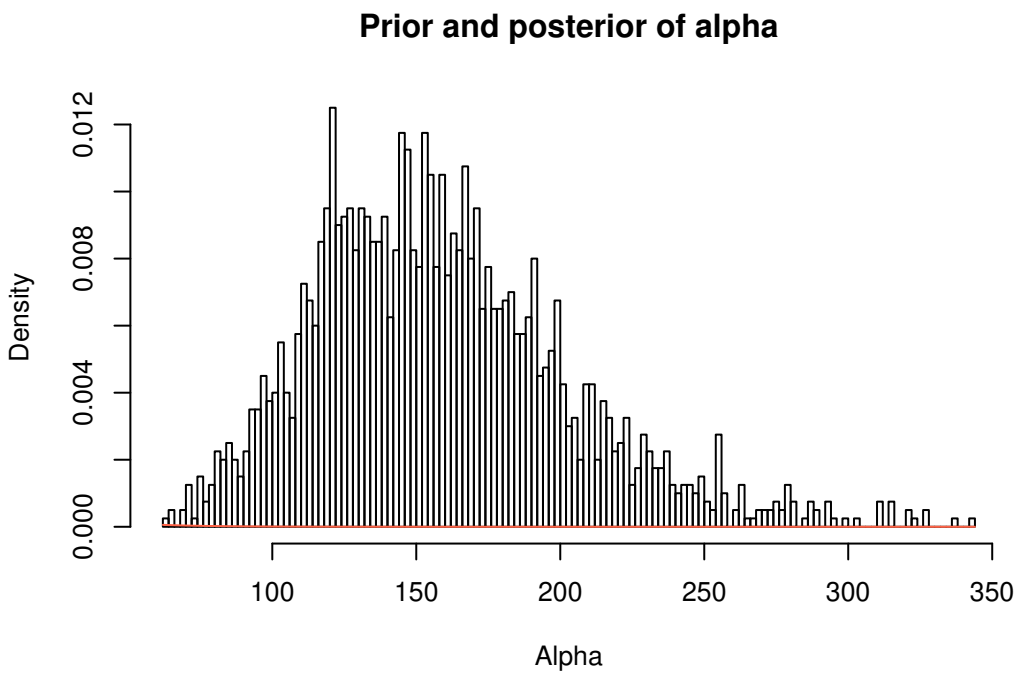

Traceplot of the number of clusters
Number of clusters
46.0
46.5
47.0
47.5
48.0
0
500
1000
1500
2000
Index

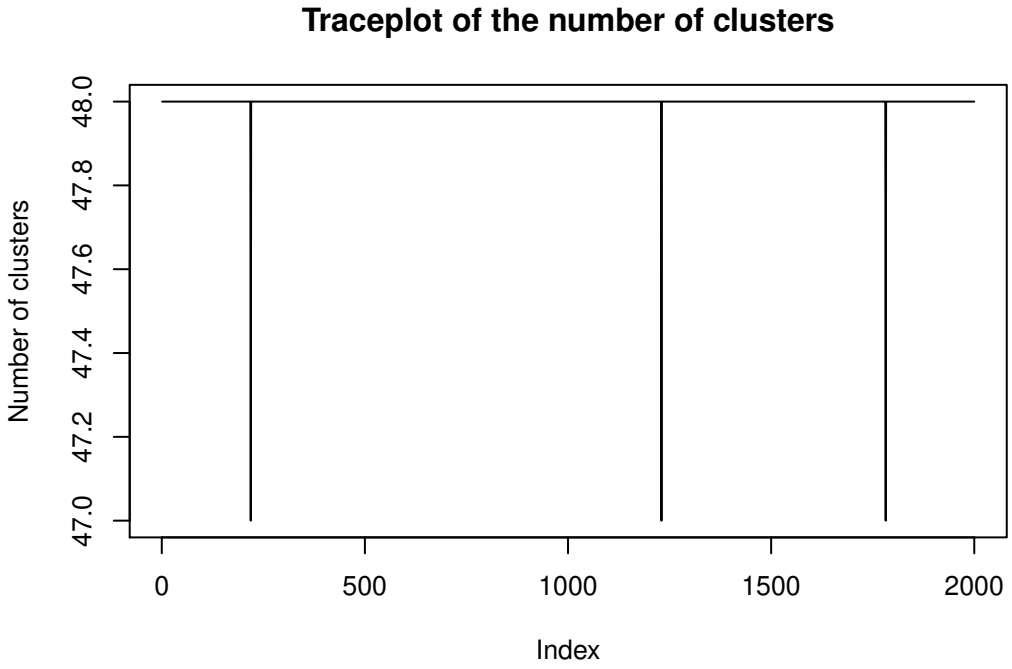

Traceplot of alpha
Alpha
100
200
300
0
500
1000
1500
2000
Index

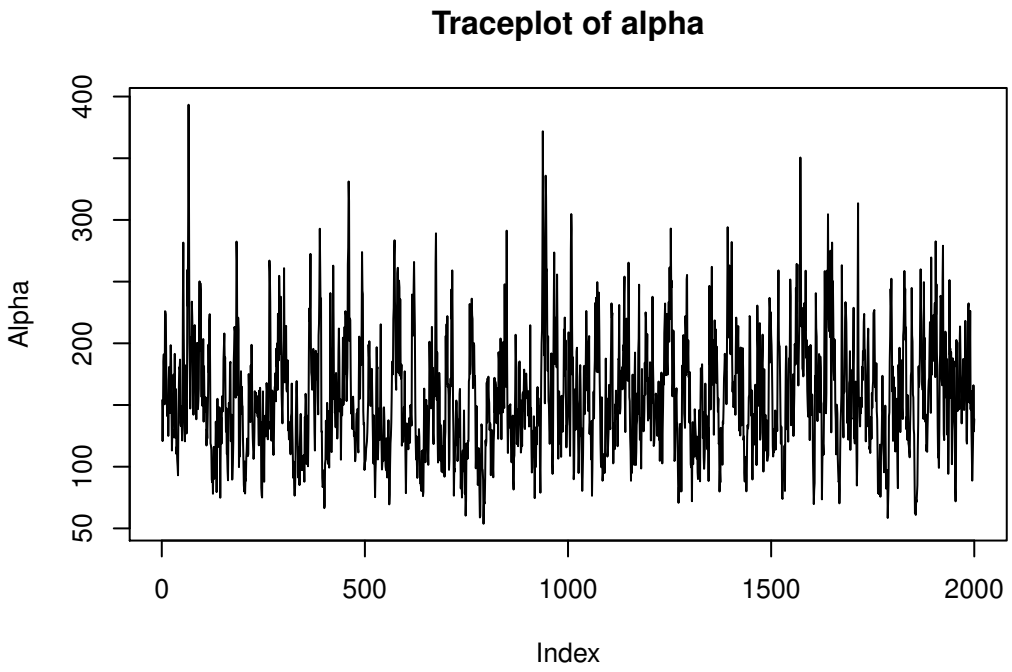

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

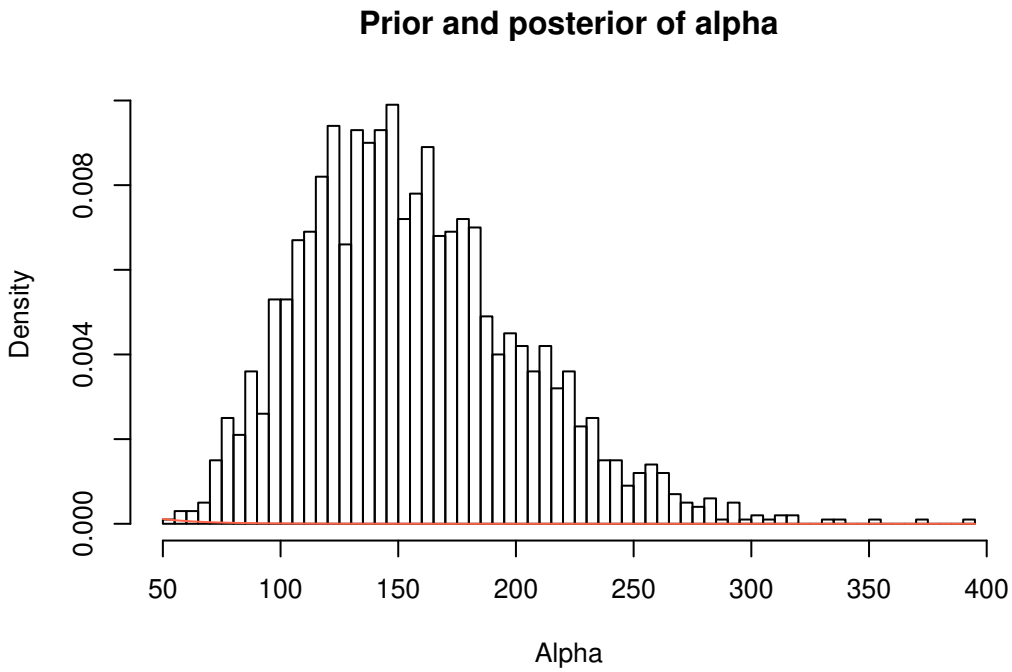

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

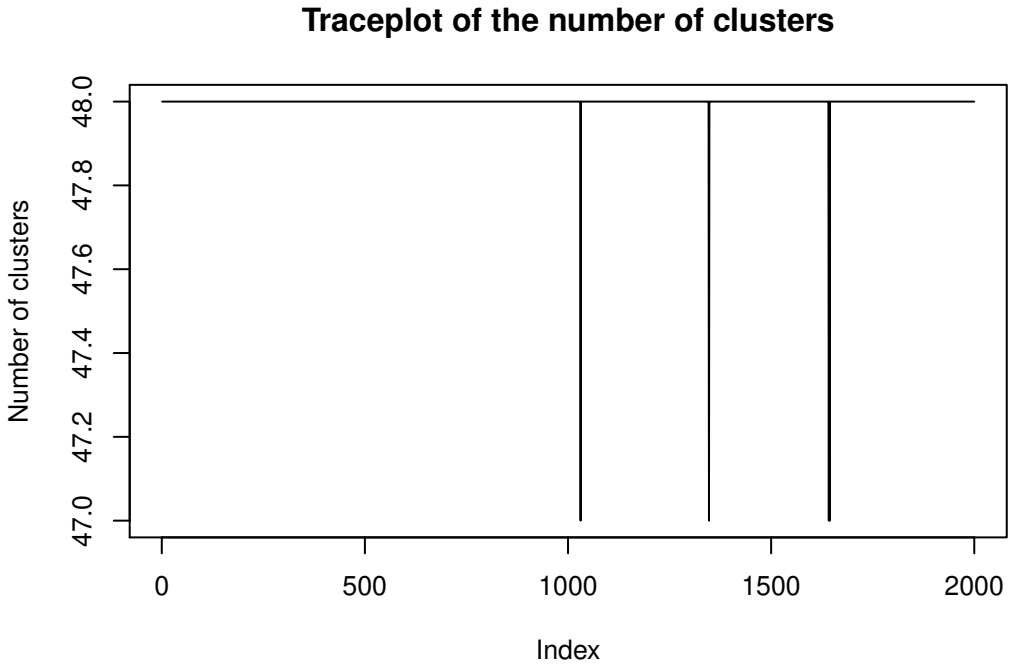

Traceplot of alpha
Alpha
100
150
200
250
300
350
0
500
1000
1500
2000
Index

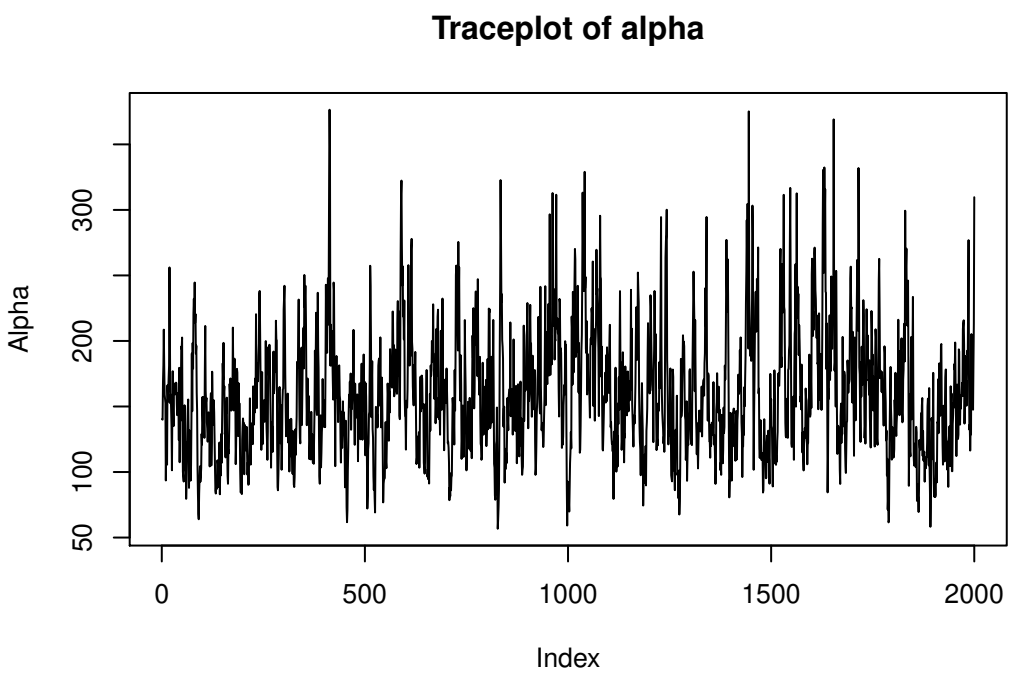

Prior and posterior of alpha
Density
0.000
0.004
0.008
0.012
100
150
200
250
300
350
Alpha

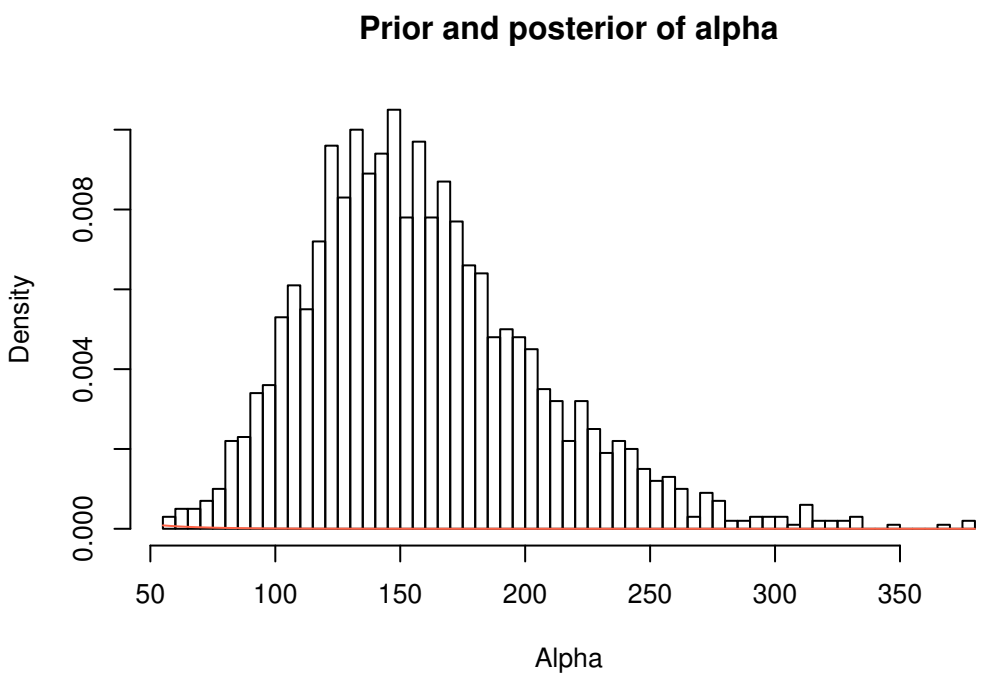

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

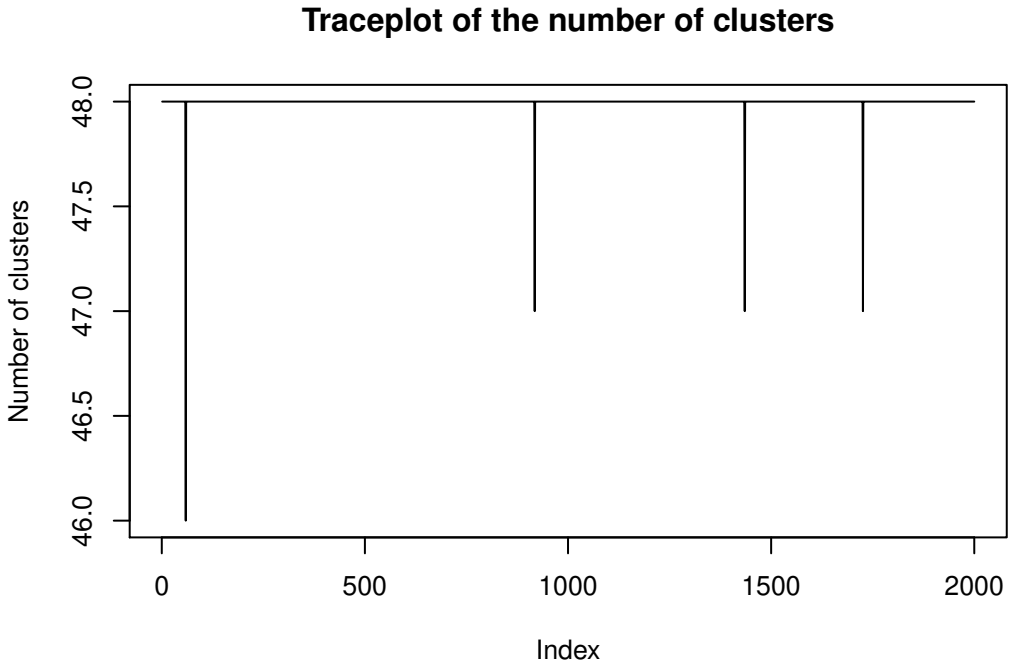

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

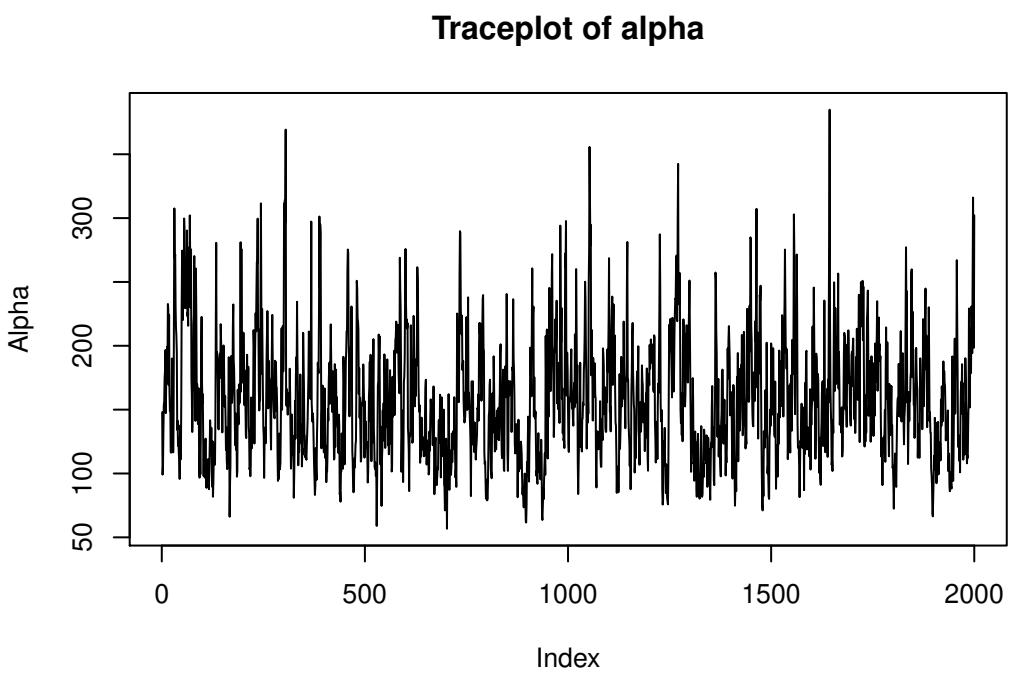

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

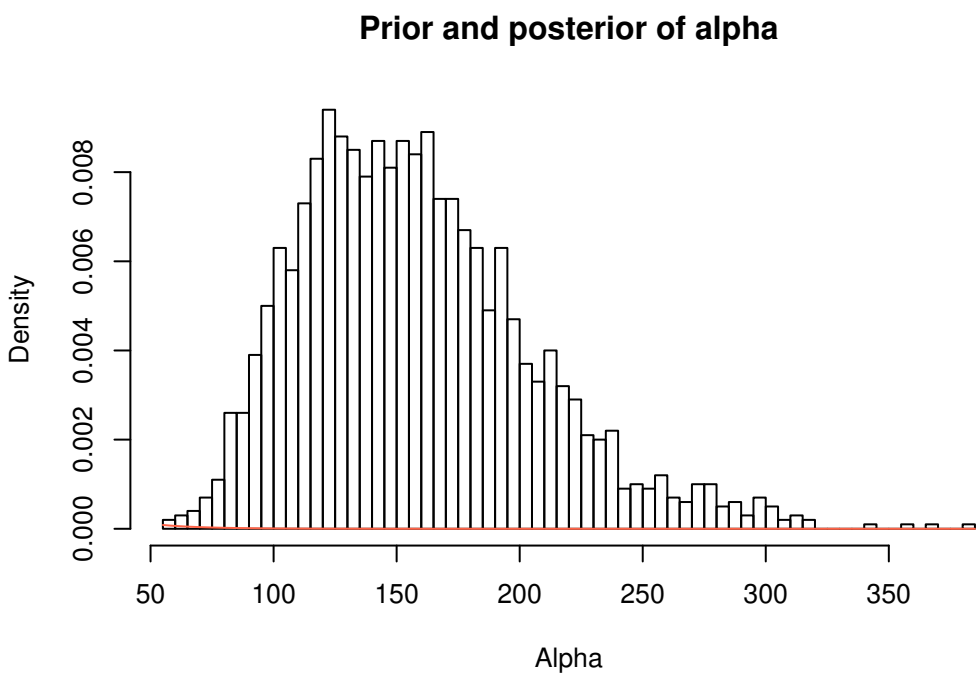

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

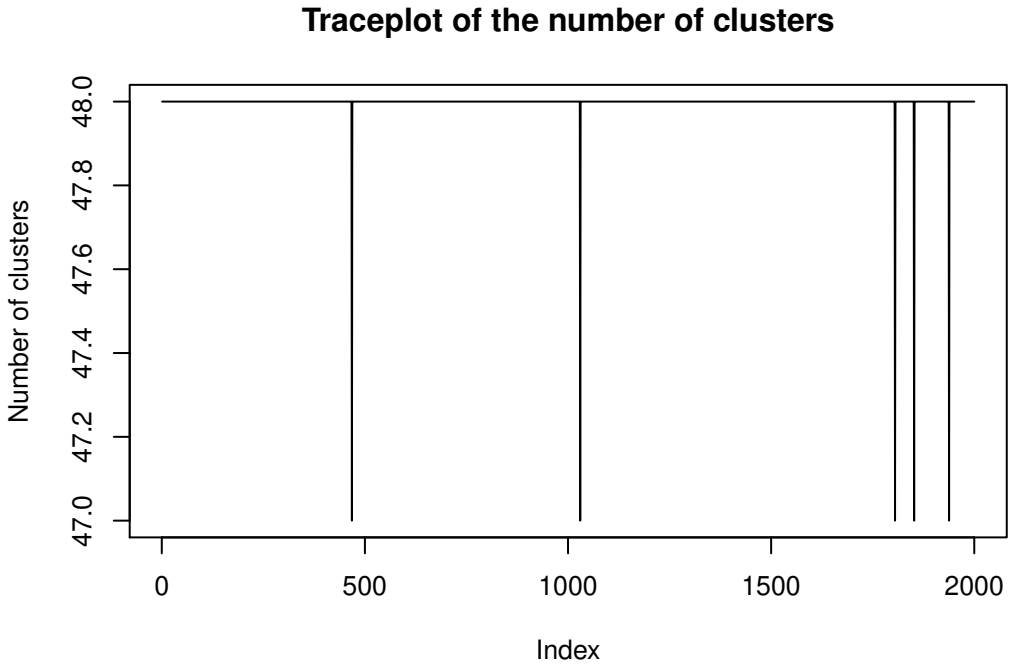

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

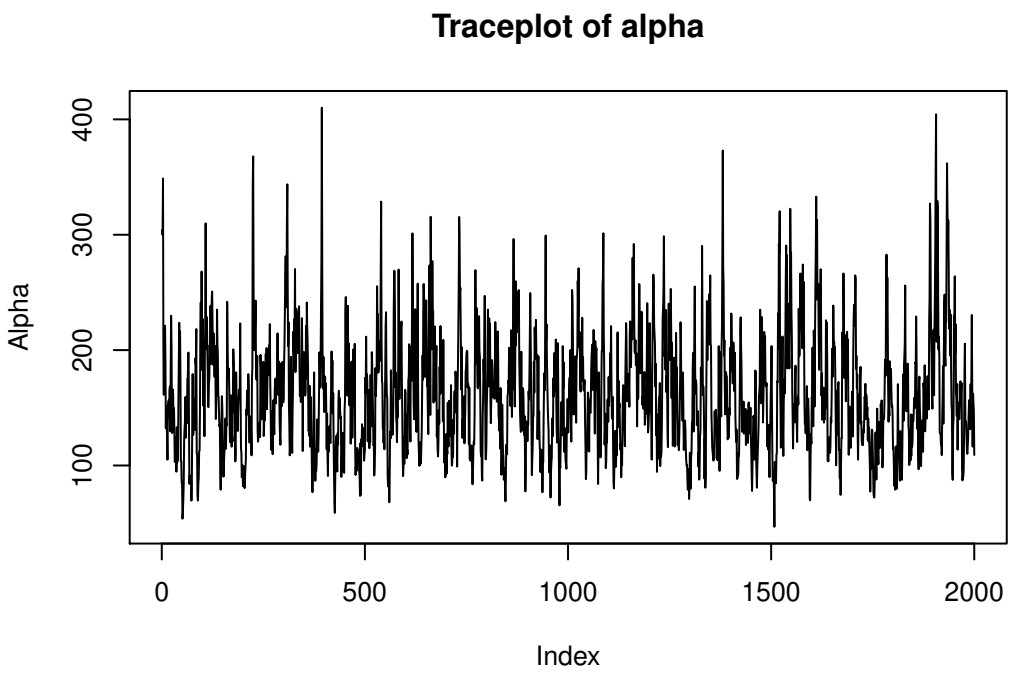

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

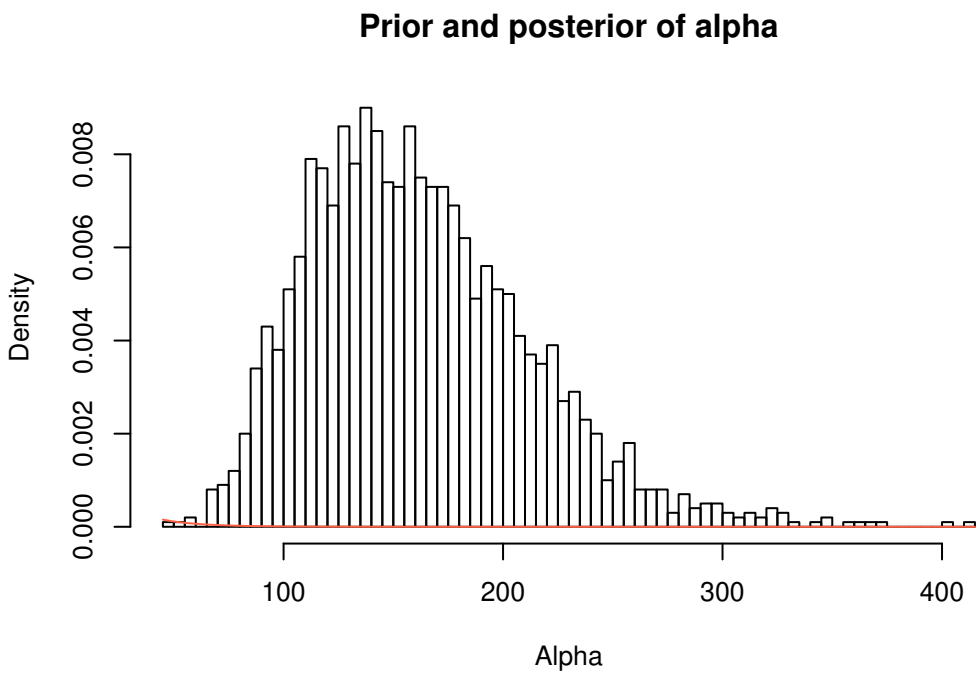

Traceplot of the number of clusters
Number of clusters
46.0
46.5
47.0
47.5
48.0
0
500
1000
1500
2000
Index

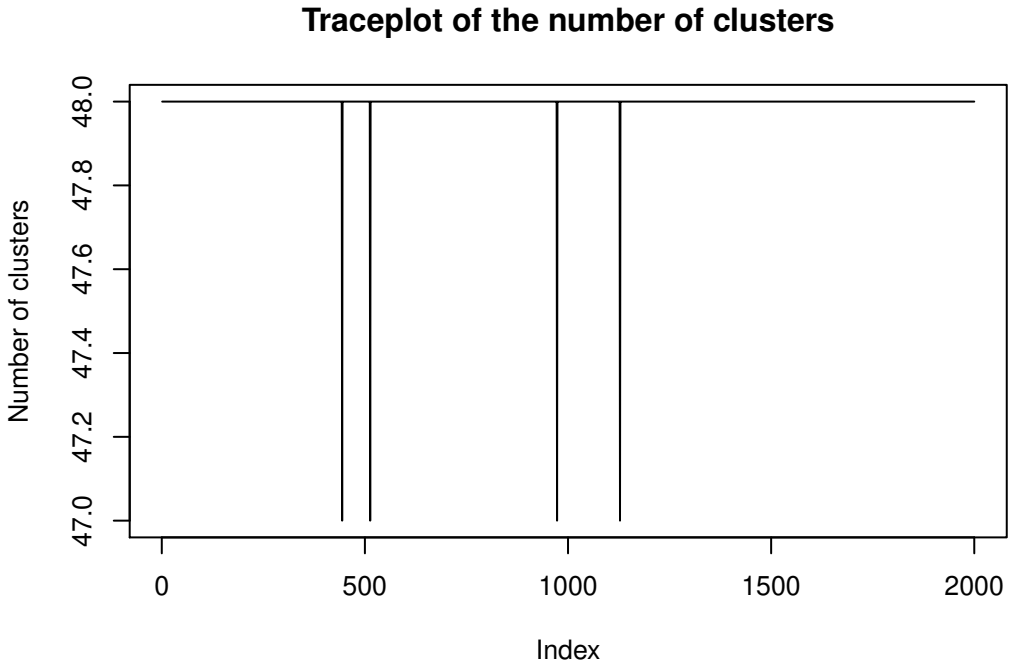

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

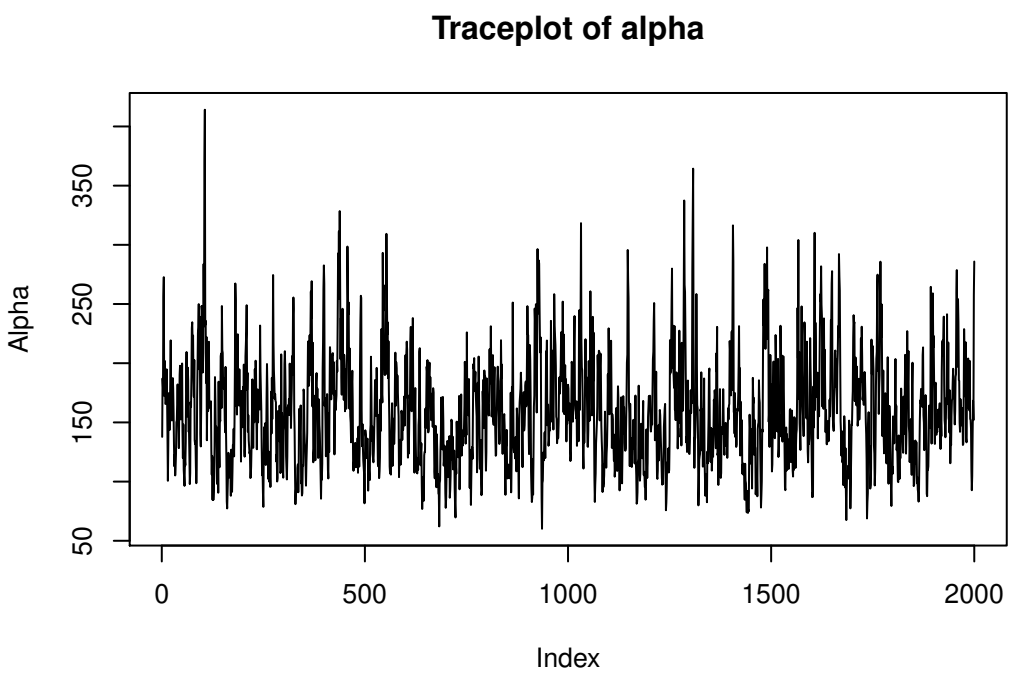

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
50
100
150
200
250
300
350
Alpha

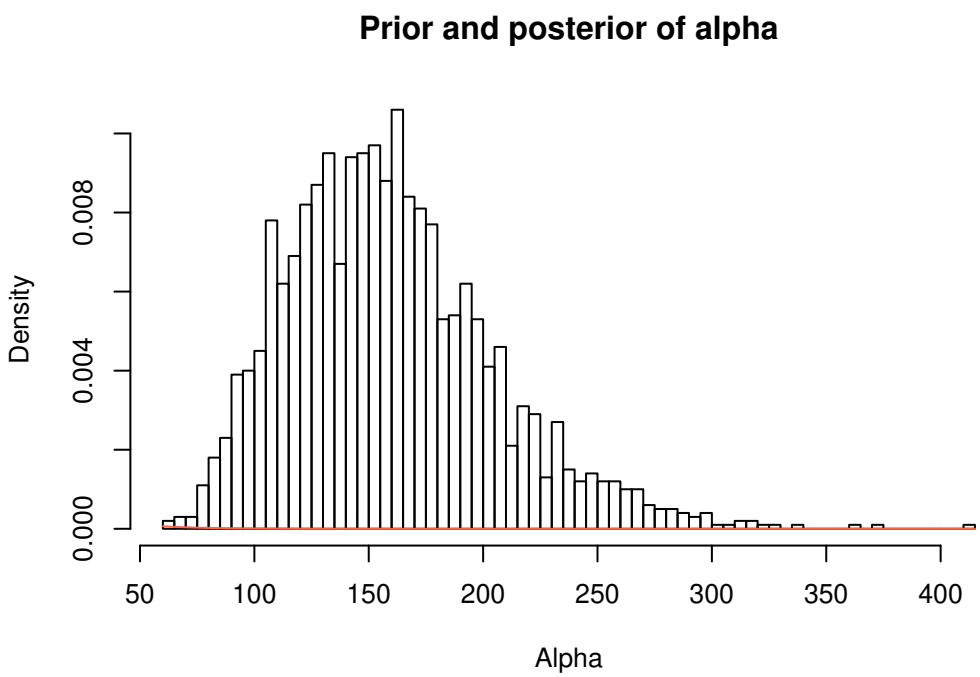

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

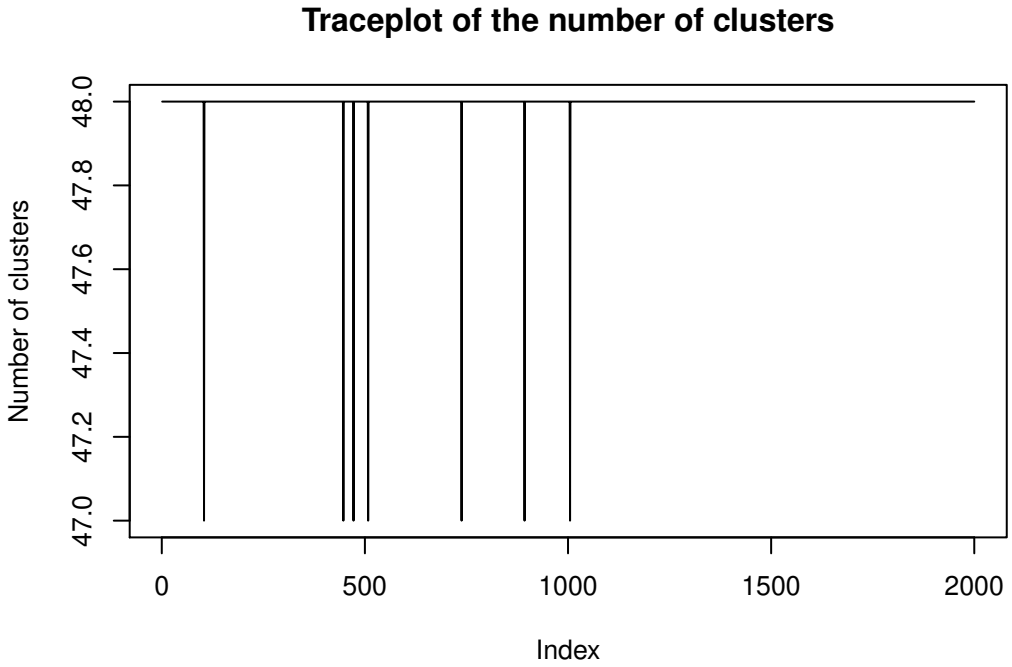

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

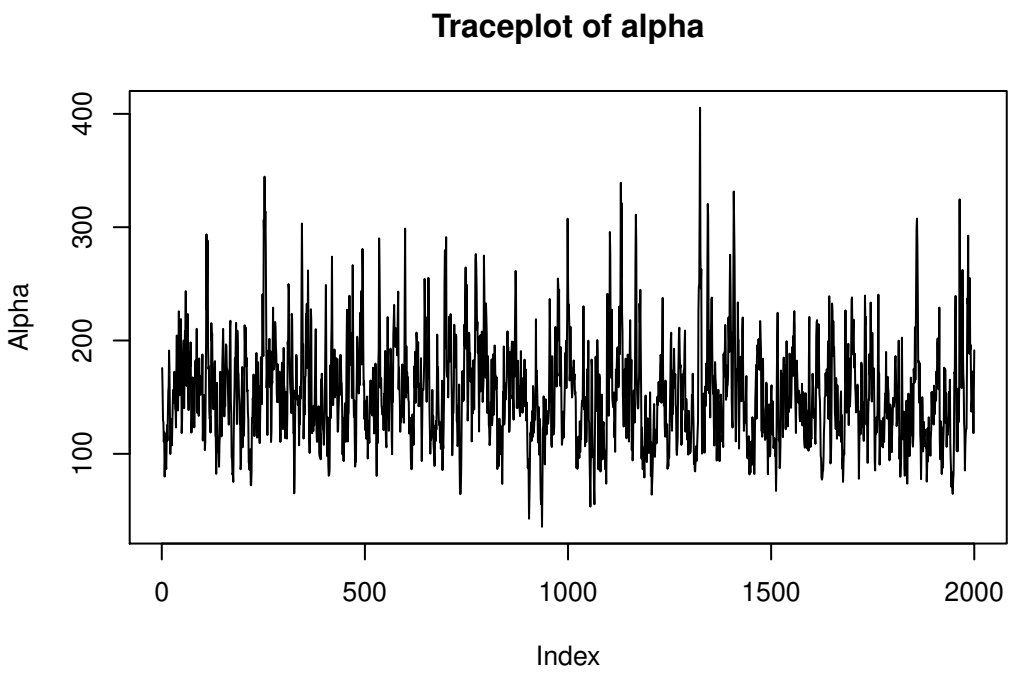

Prior and posterior of alpha
Density
0.000
0.002
0.004
0.006
0.008
100
200
300
400
Alpha

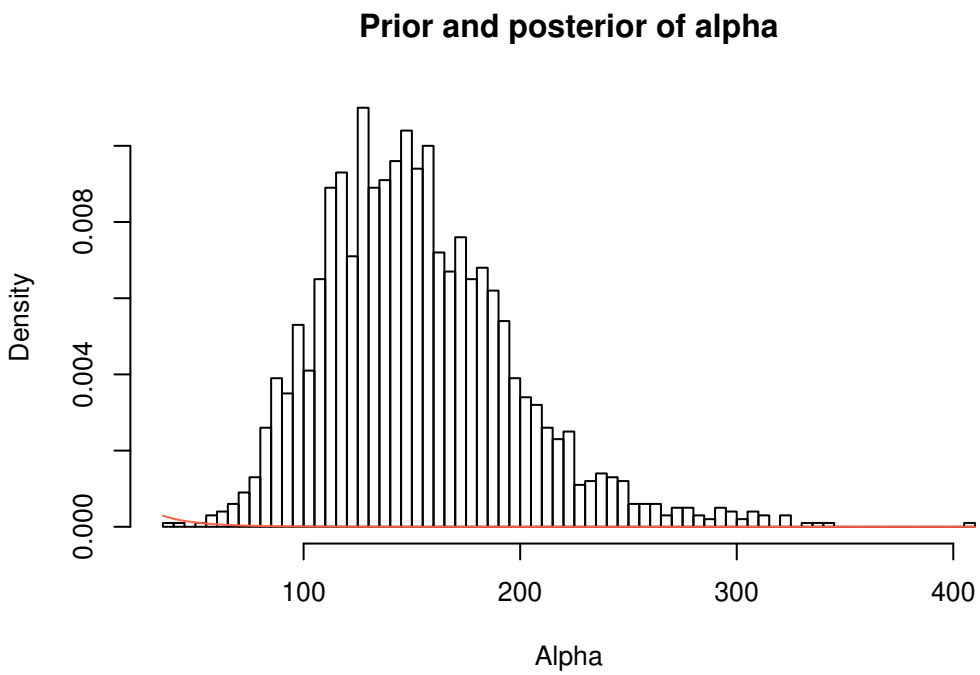

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

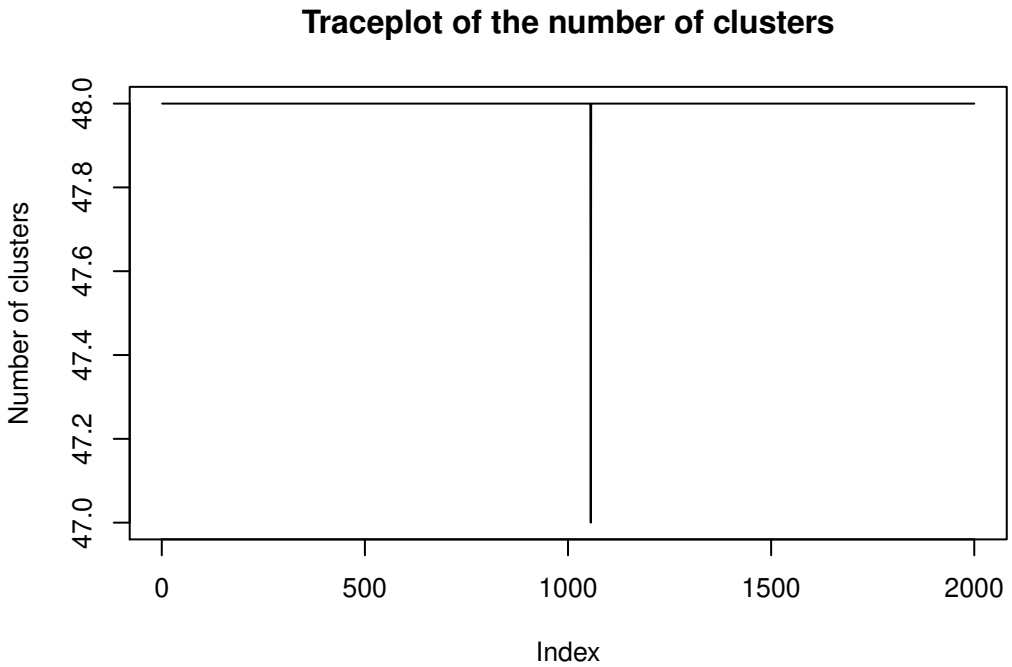

Traceplot of alpha
Alpha
50
150
250
350
0
500
1000
1500
2000
Index

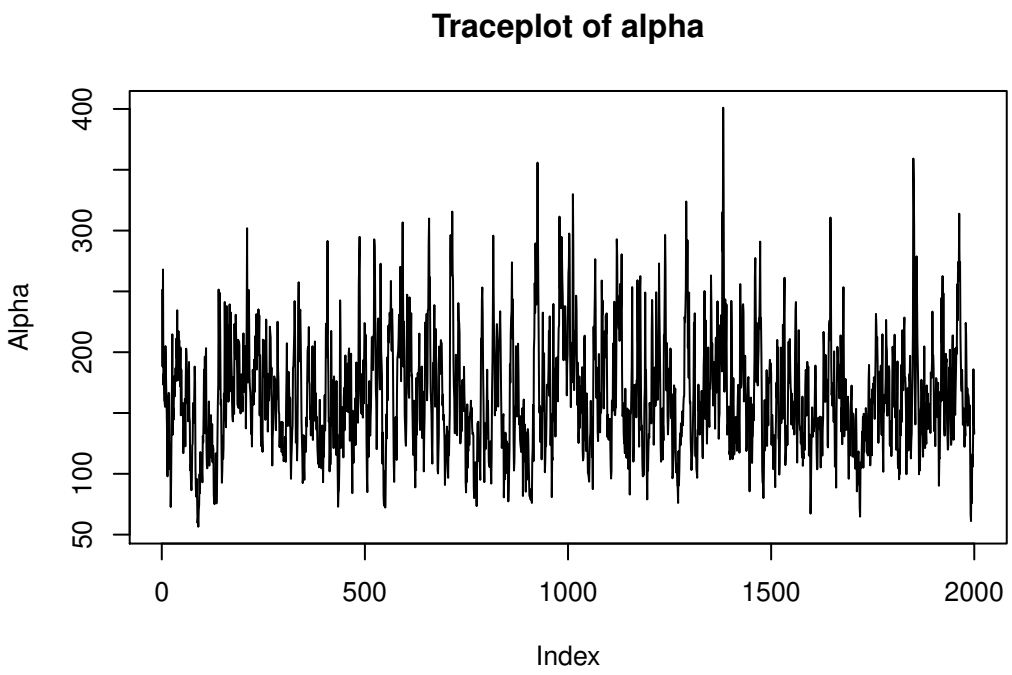

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

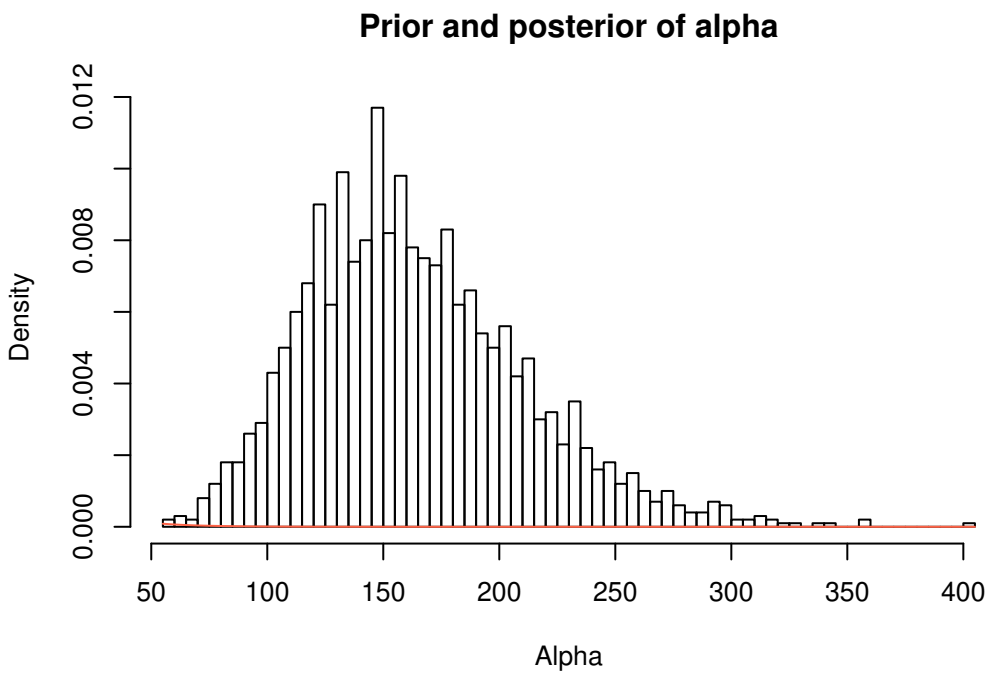

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

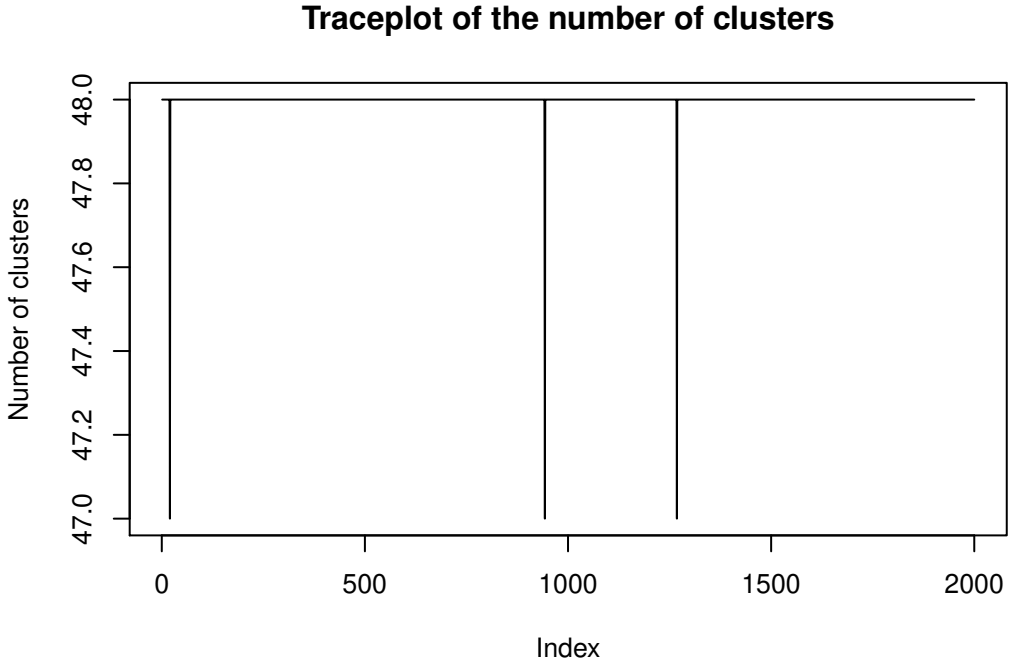

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

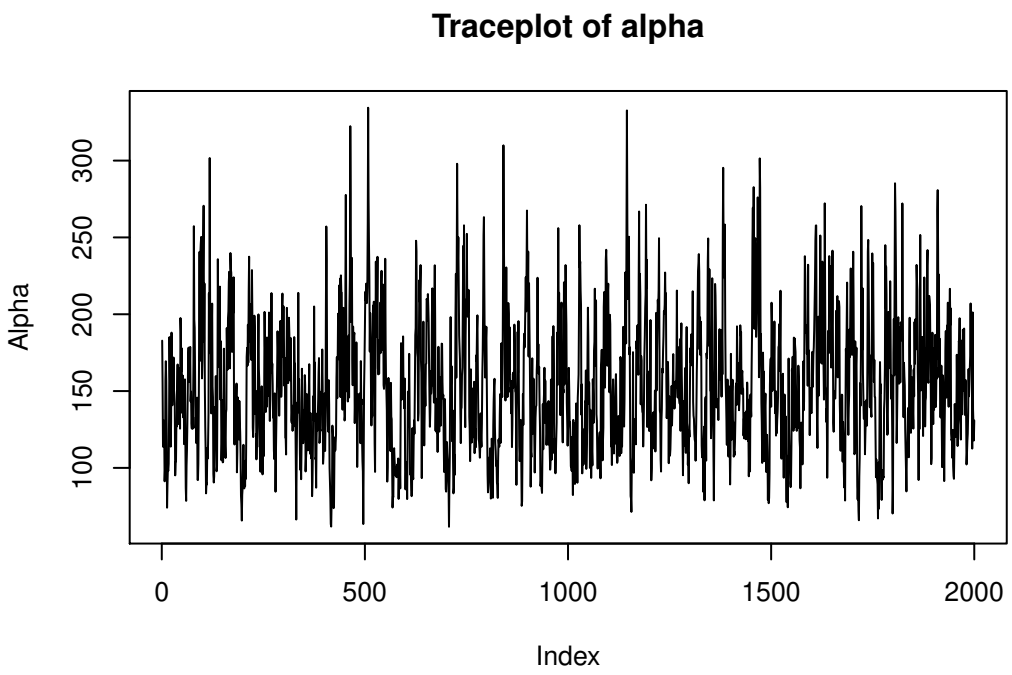

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

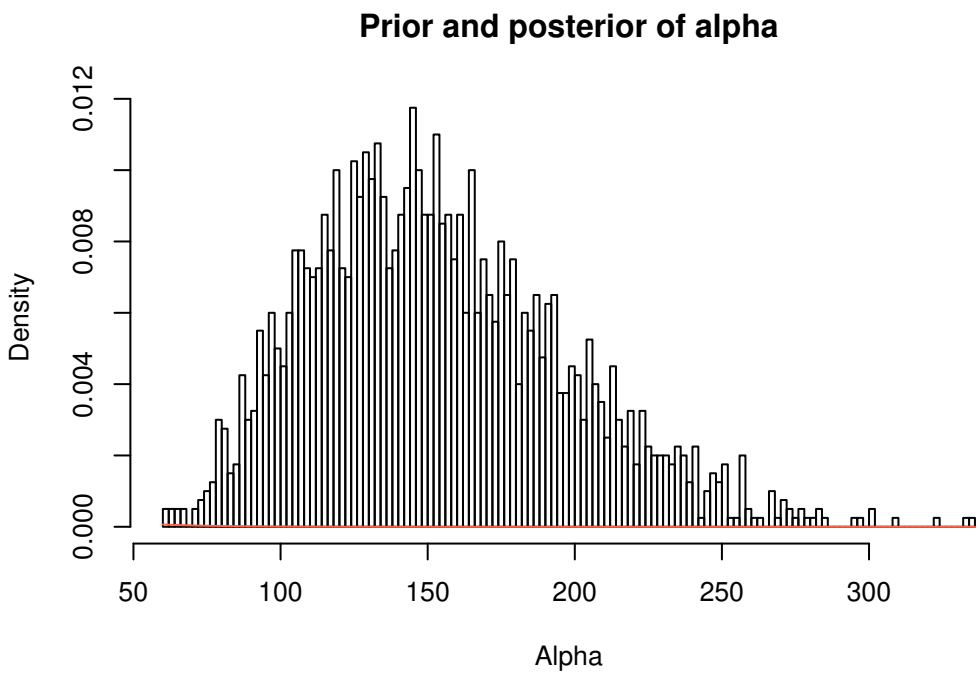

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

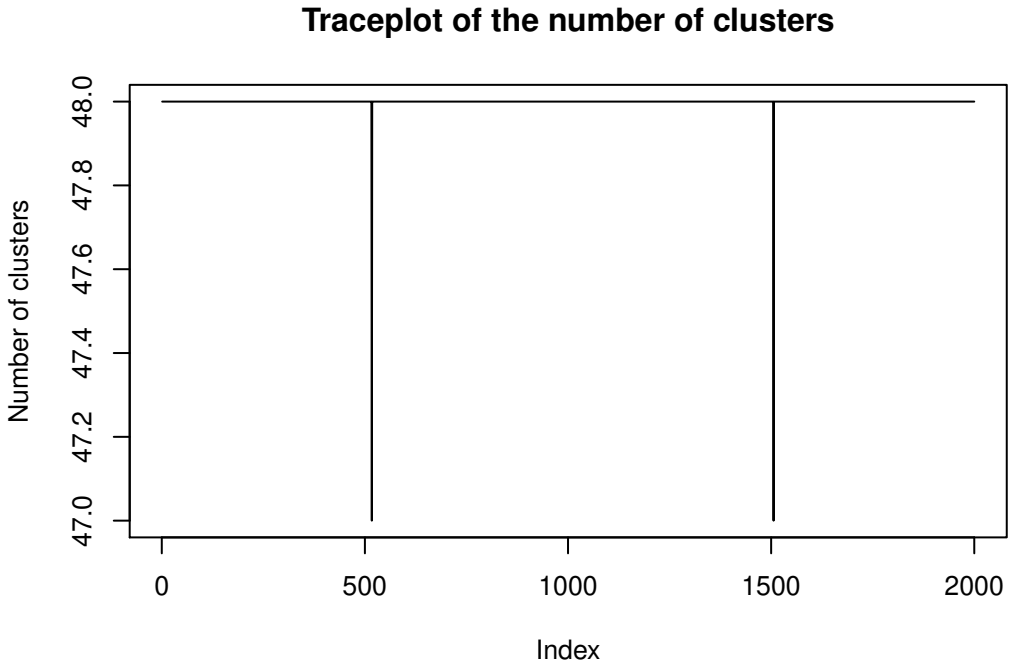

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

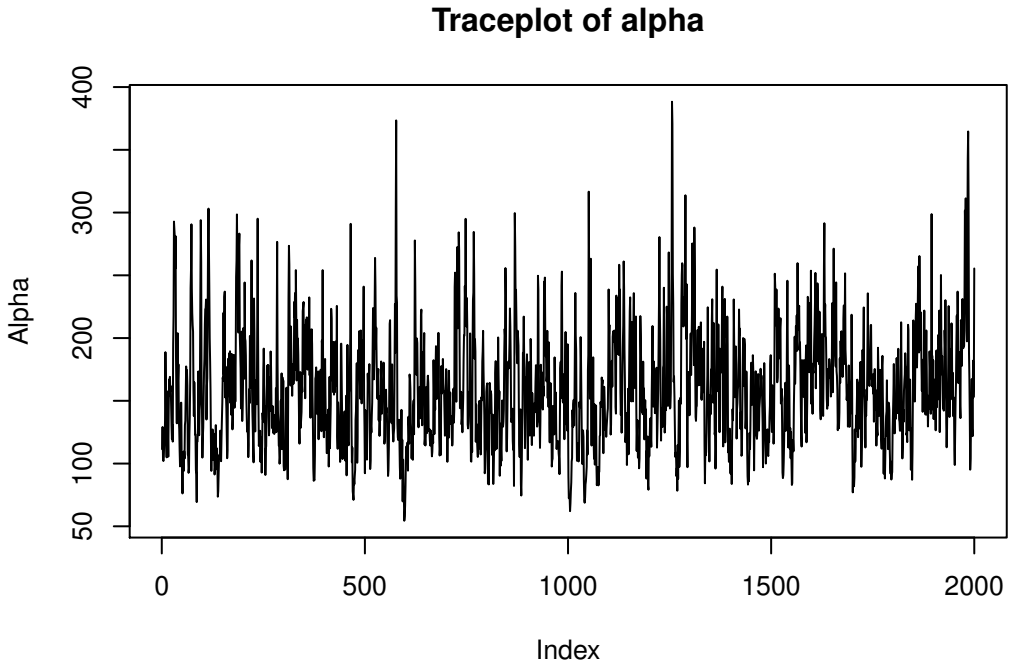

Prior and posterior of alpha
Density
0.000
0.004
0.008
0.012
50
100
150
200
250
300
350
400
Alpha

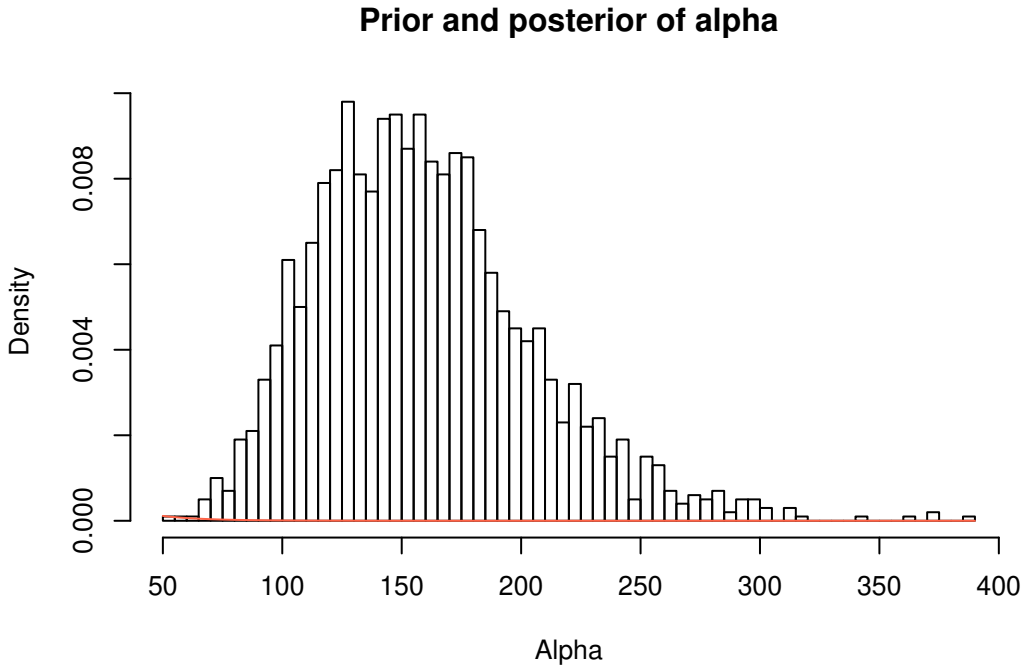

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

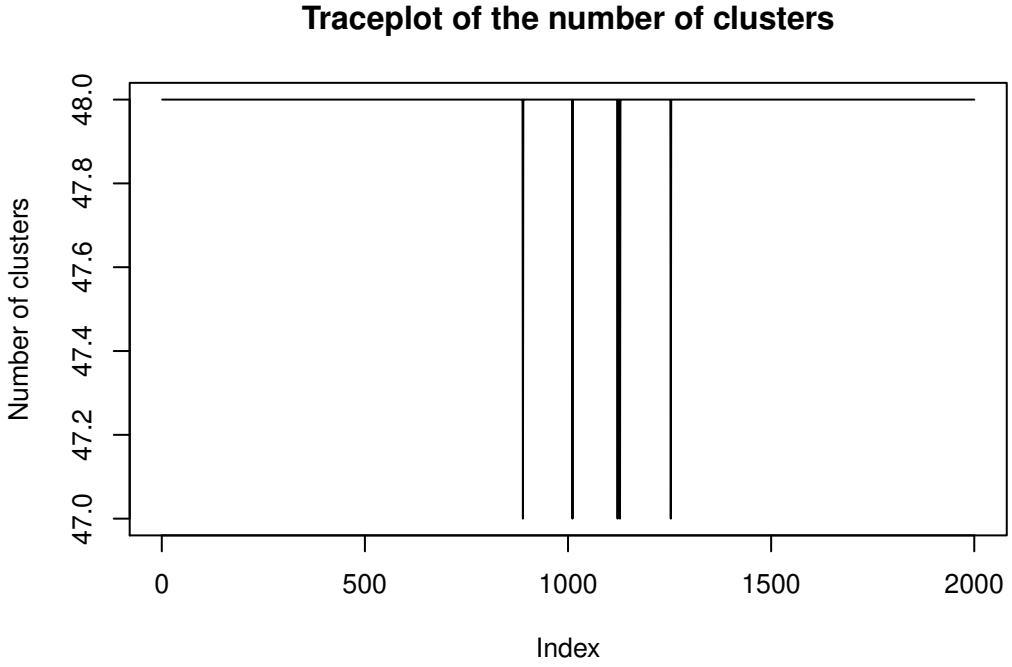

Traceplot of alpha
Alpha
100
150
200
250
300
0
500
1000
1500
2000
Index

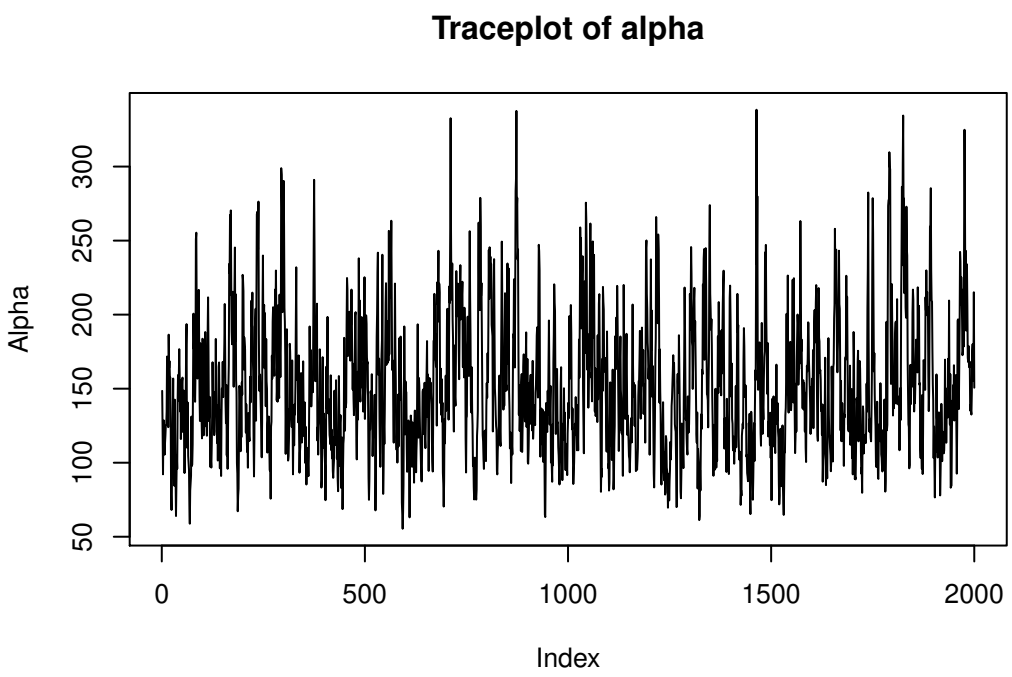

Prior and posterior of alpha
Density
0.000
0.004
0.008
0.012
50
100
150
200
250
300
Alpha

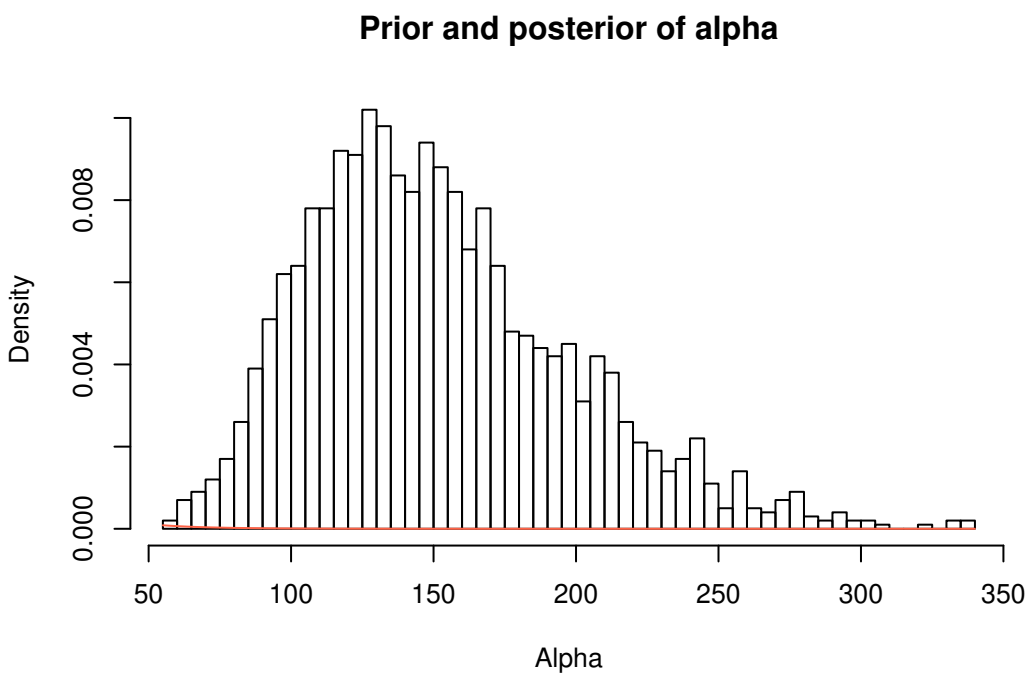

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

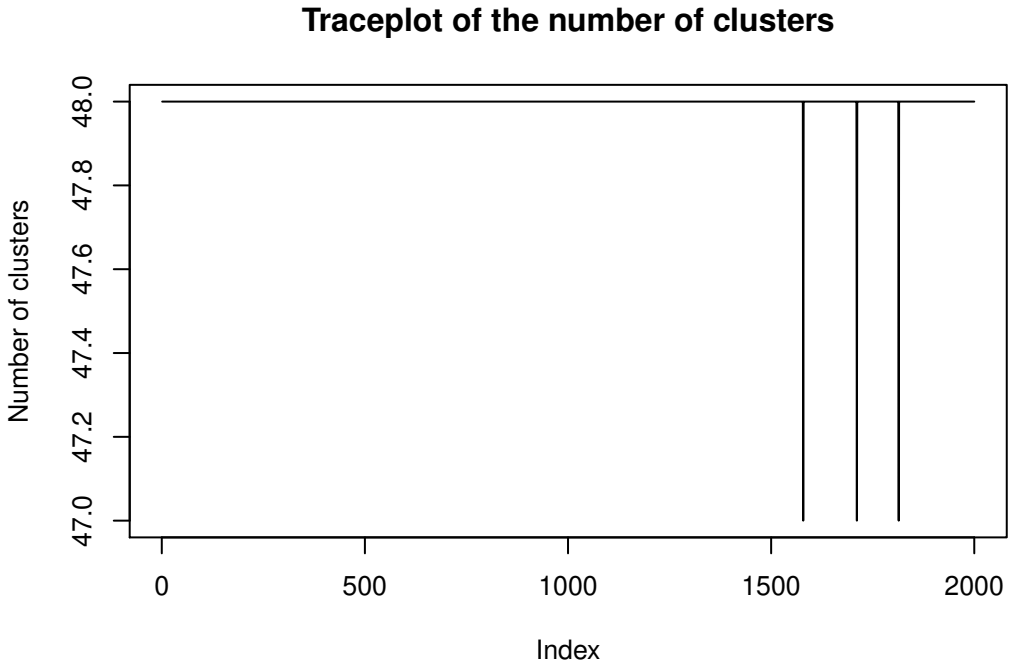

Traceplot of alpha
Alpha
Index
50
100
200
300
400
0
500
1000
1500
2000

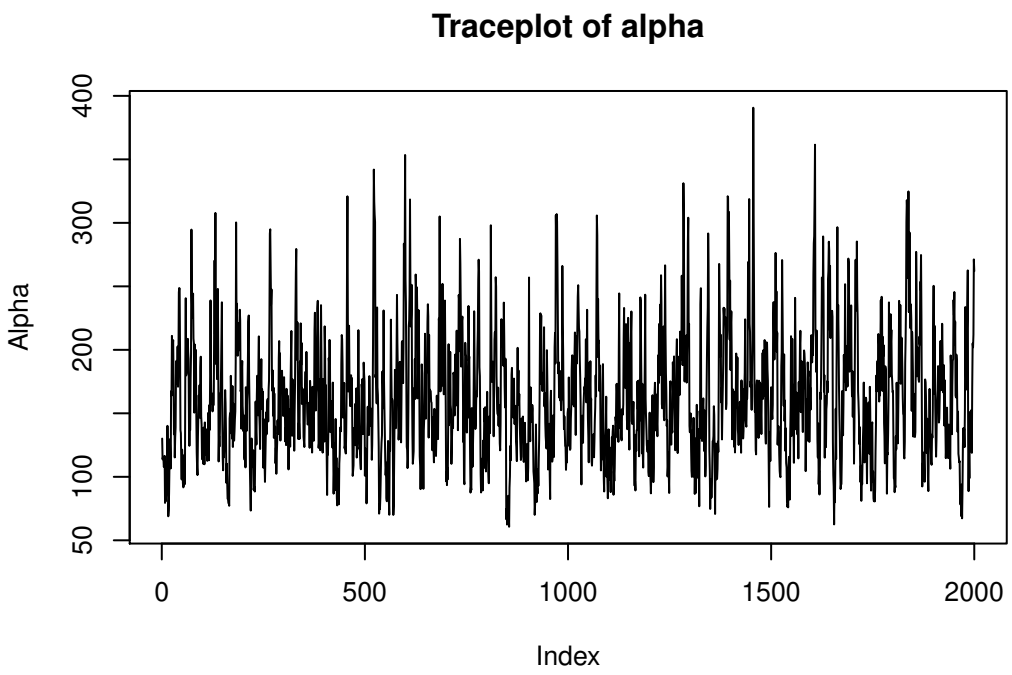

Prior and posterior of alpha
Density
Alpha
0.000
0.004
0.008
50
100
150
200
250
300
350
400

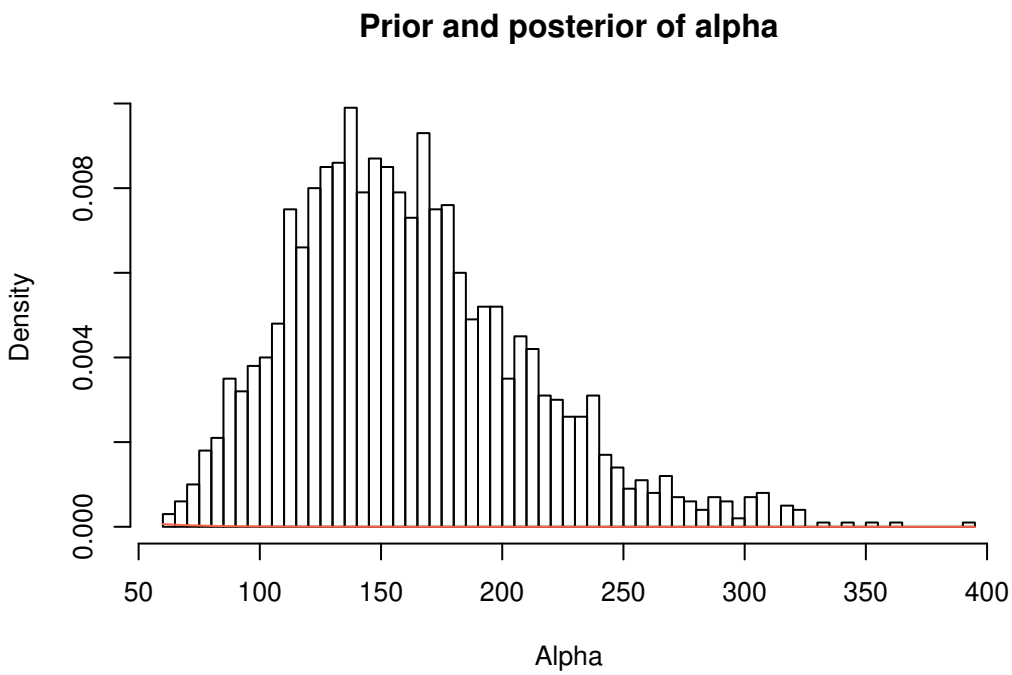

Traceplot of the number of clusters
Number of clusters
Index
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000

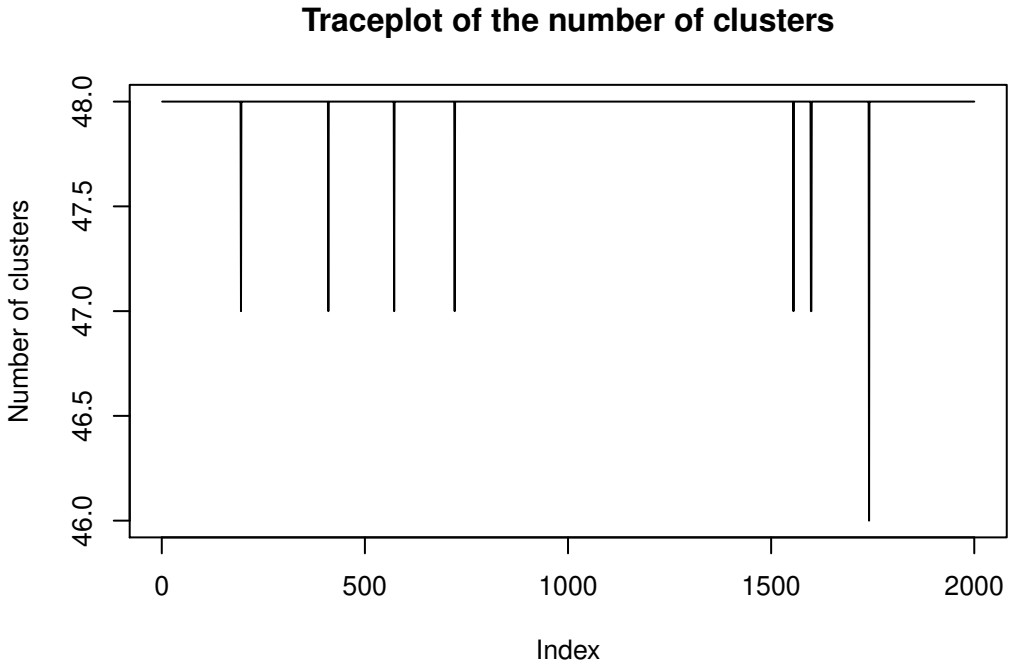

Traceplot of alpha
Alpha
50
100
150
200
250
300
0
500
1000
1500
2000
Index

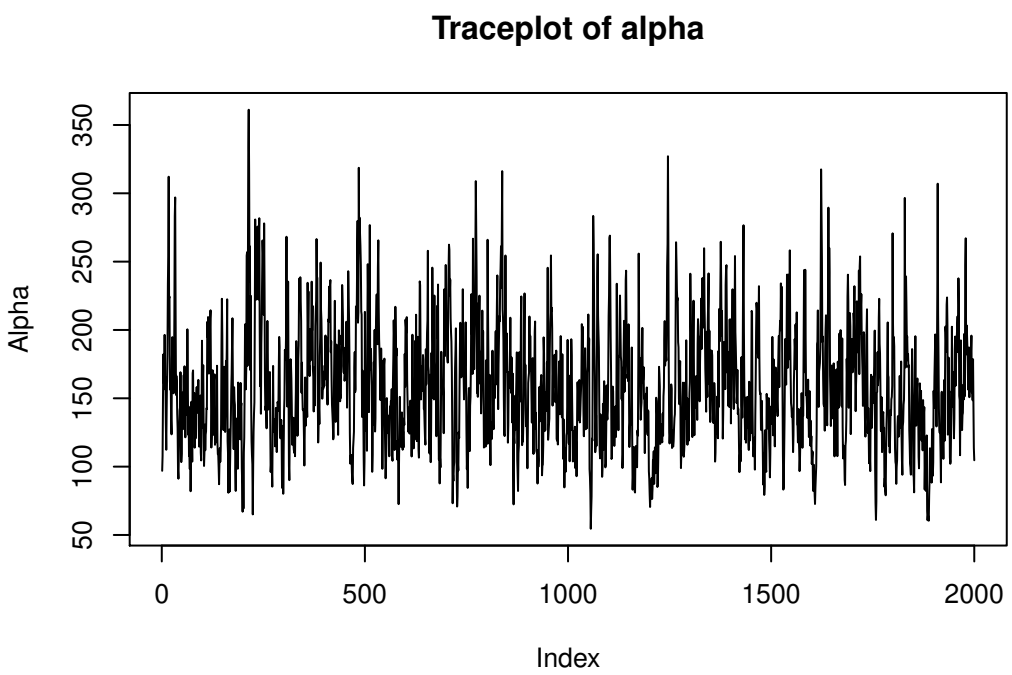

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

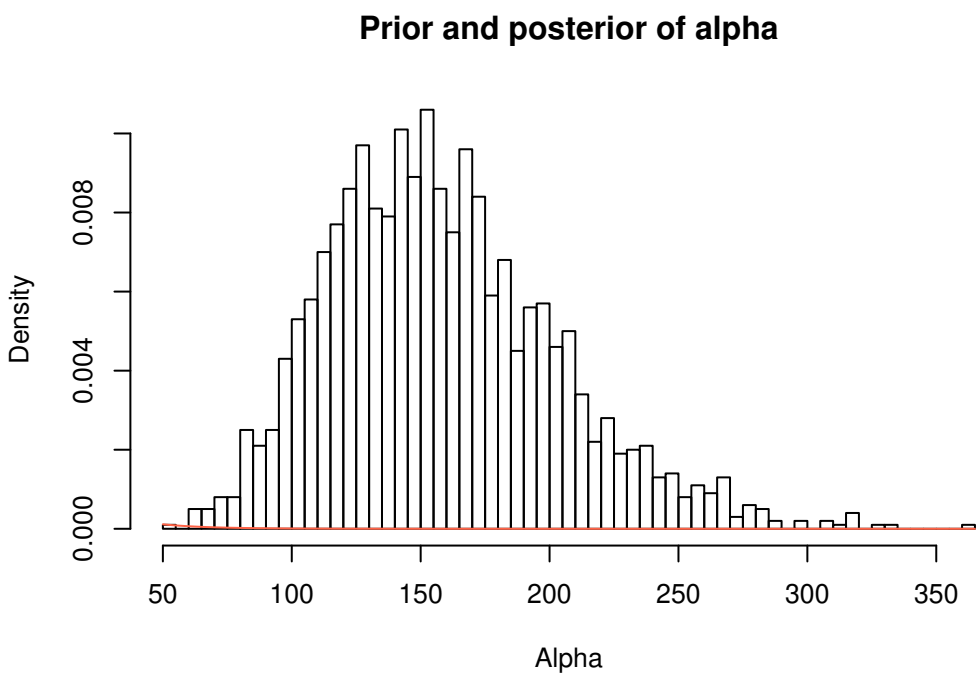

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

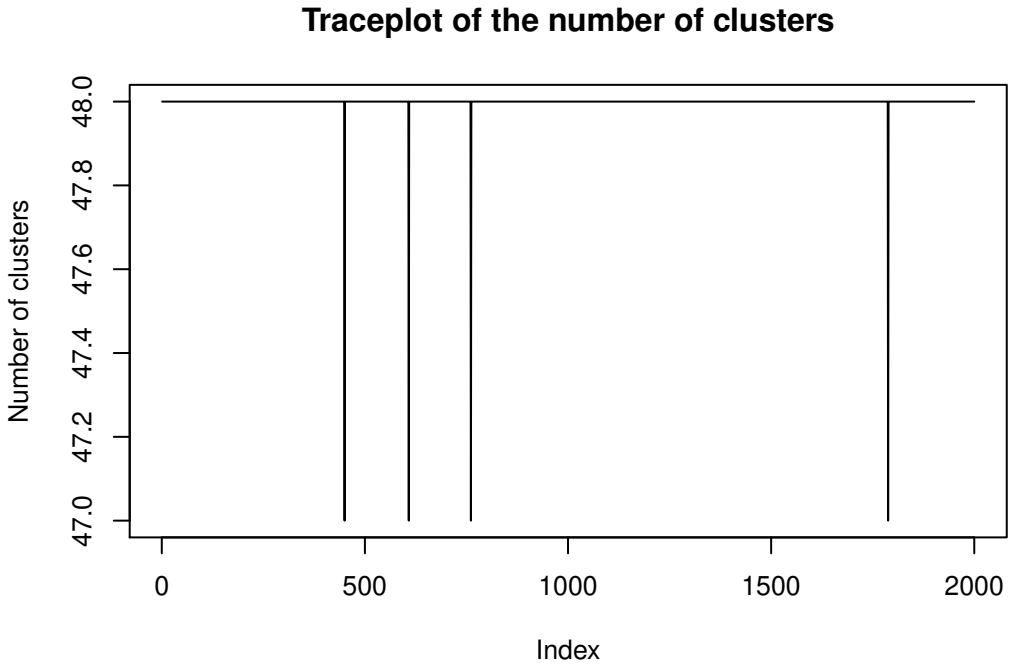

Traceplot of alpha
Alpha
Index
50
100
200
300
400
0
500
1000
1500
2000

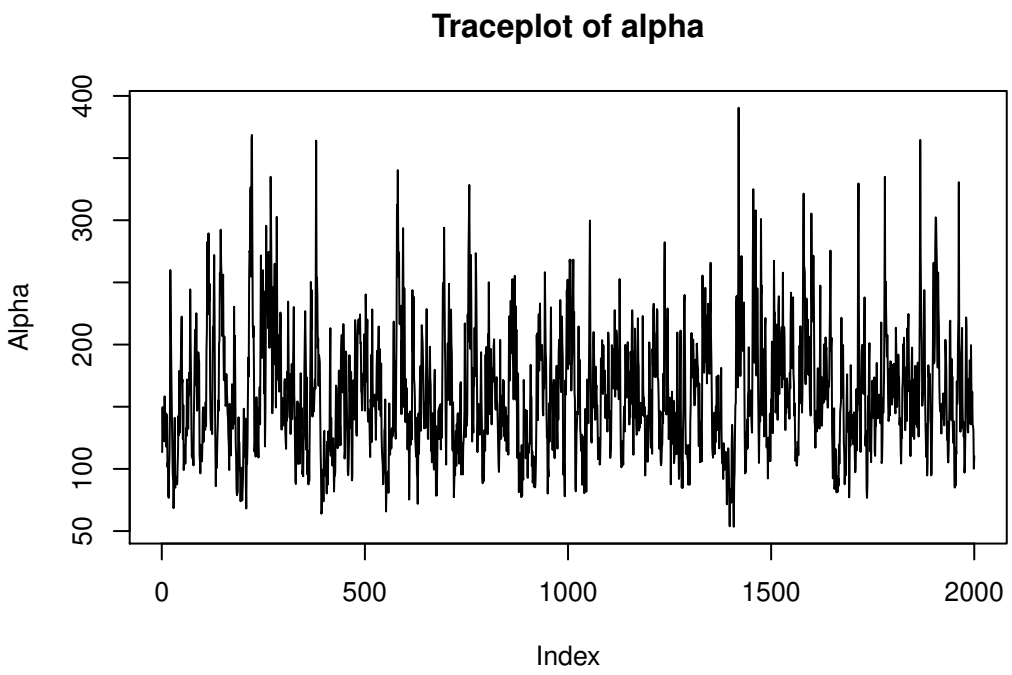

Prior and posterior of alpha
Density
Alpha
0.000
0.004
0.008
50
100
150
200
250
300
350
400

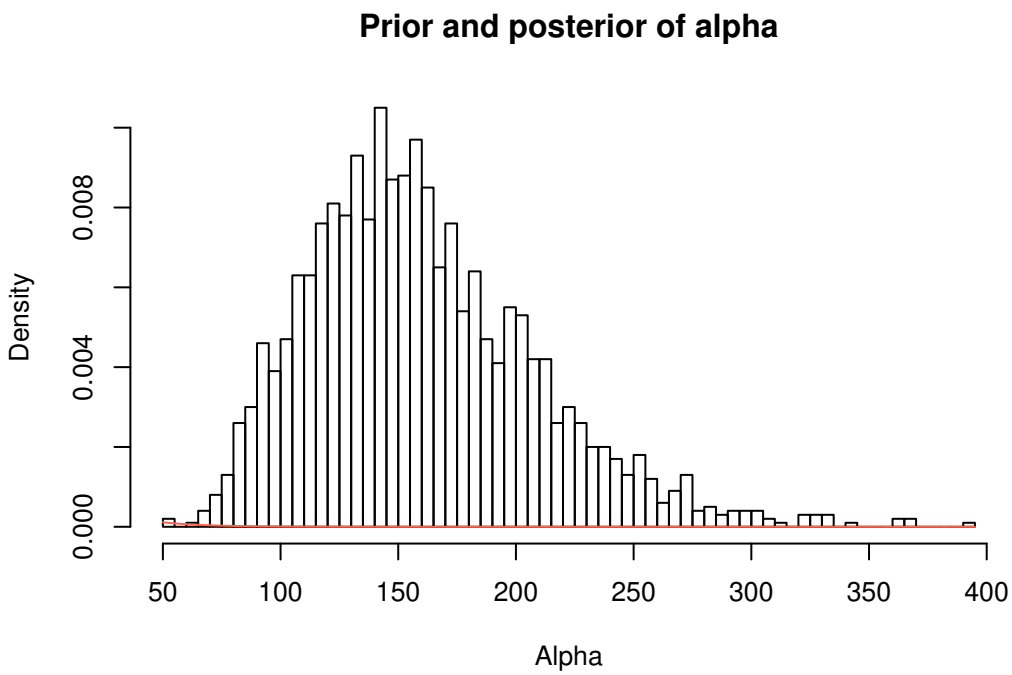

Traceplot of the number of clusters
Number of clusters
Index
46.0
46.5
47.0
47.5
48.0
0
500
1000
1500
2000

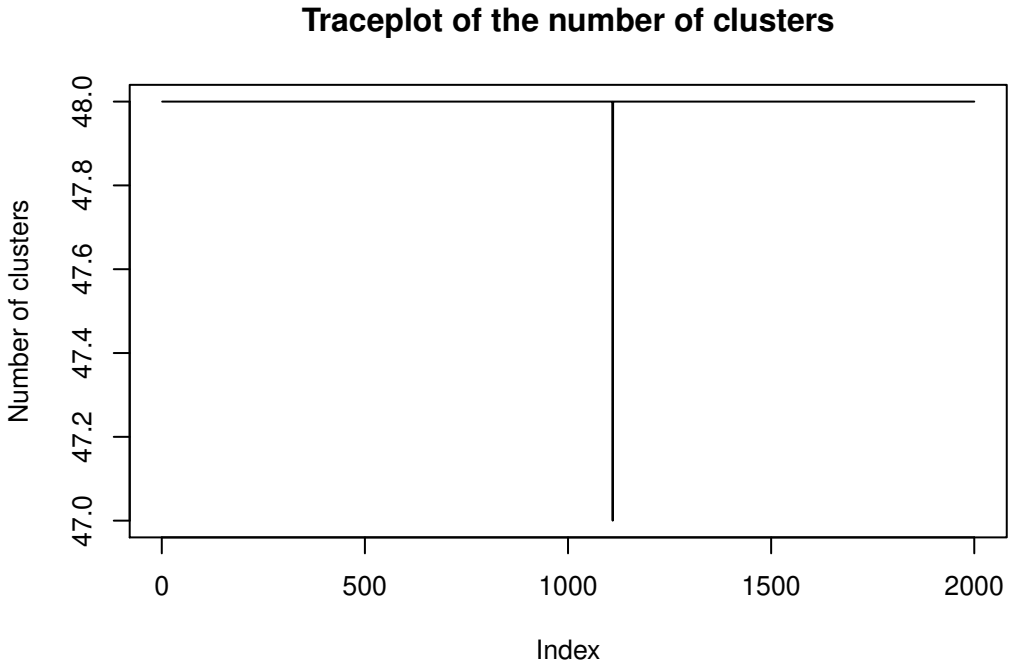

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

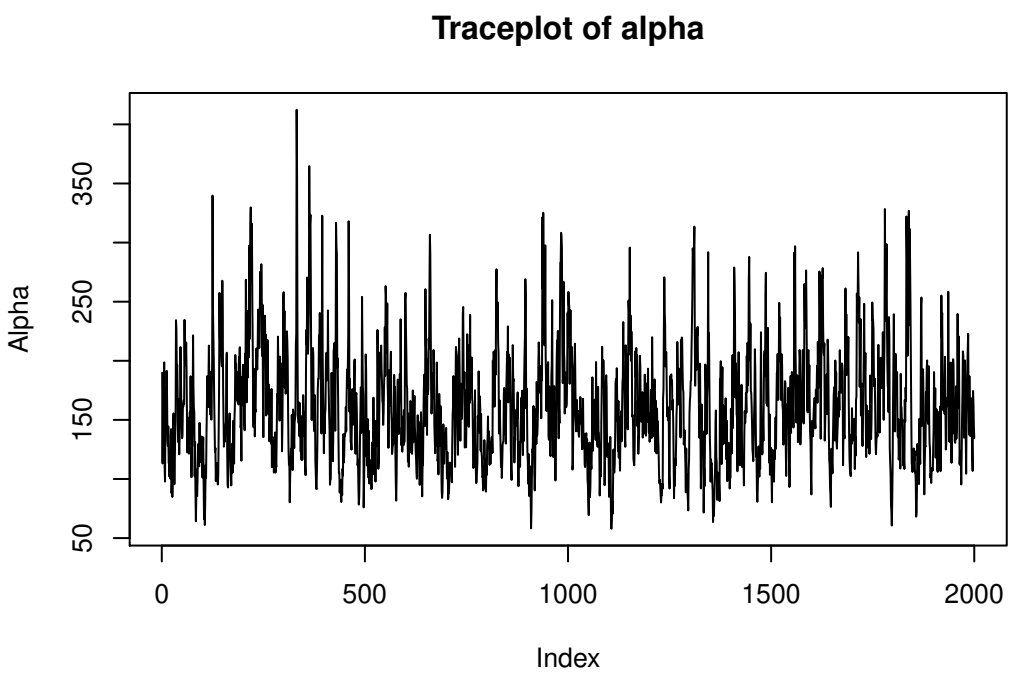

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

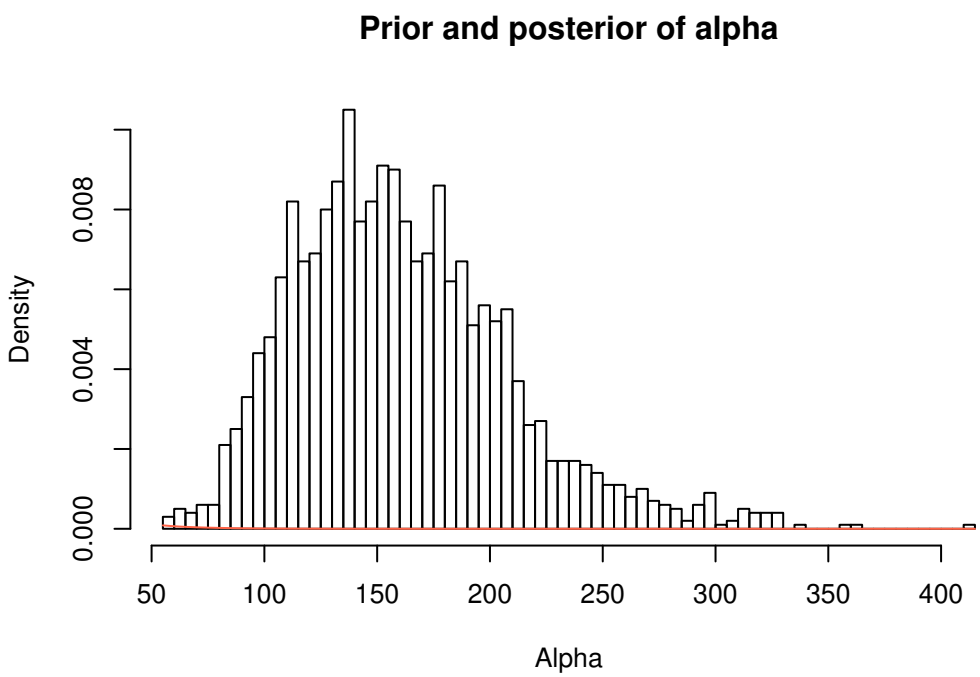

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

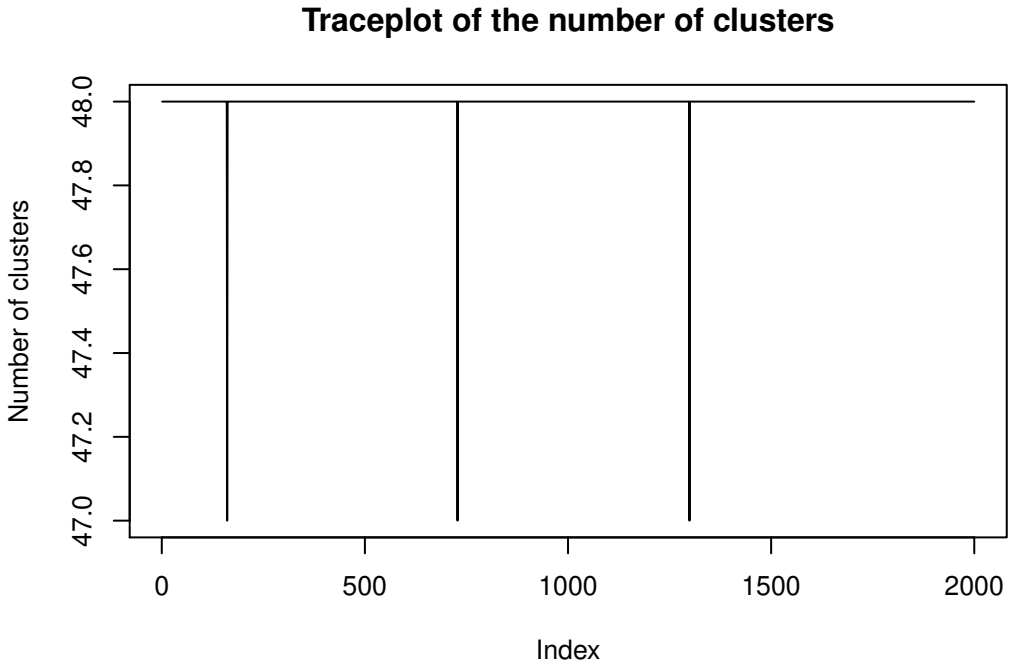

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index

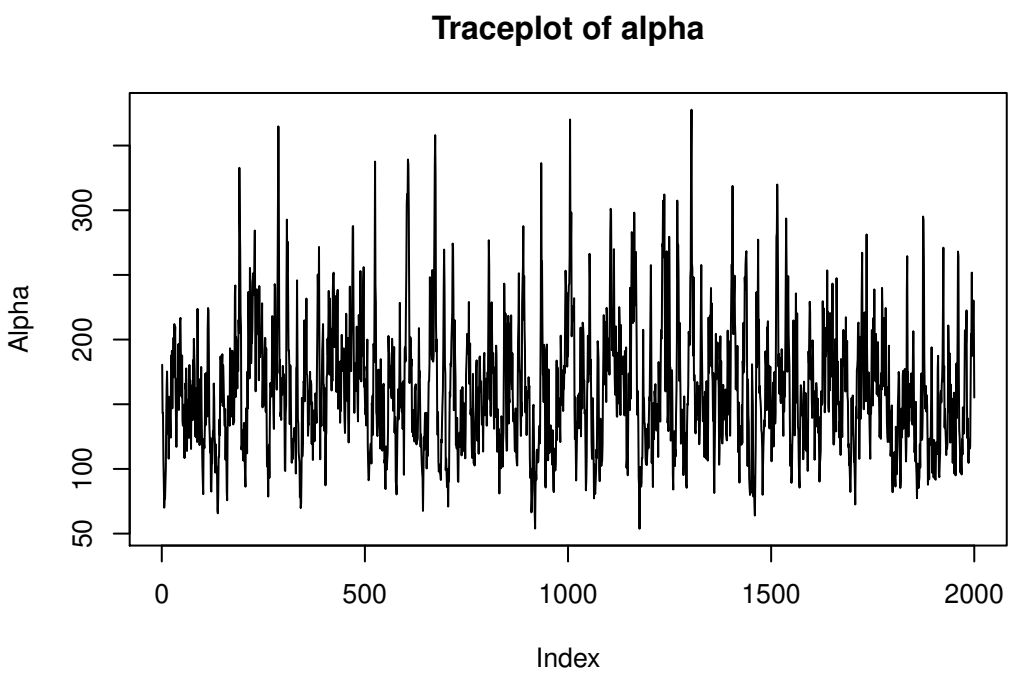

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

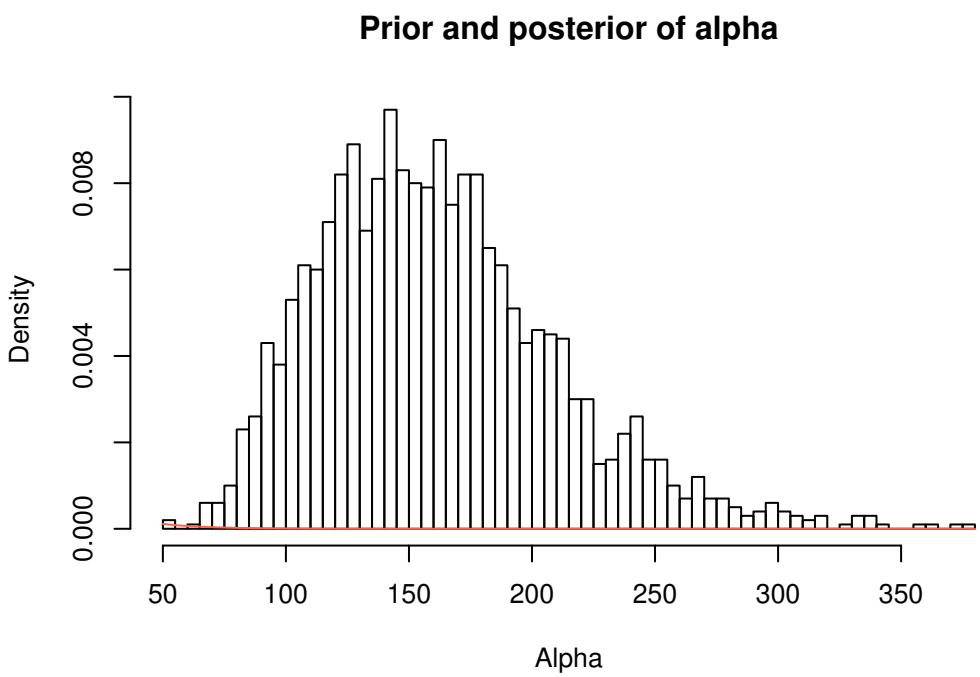

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

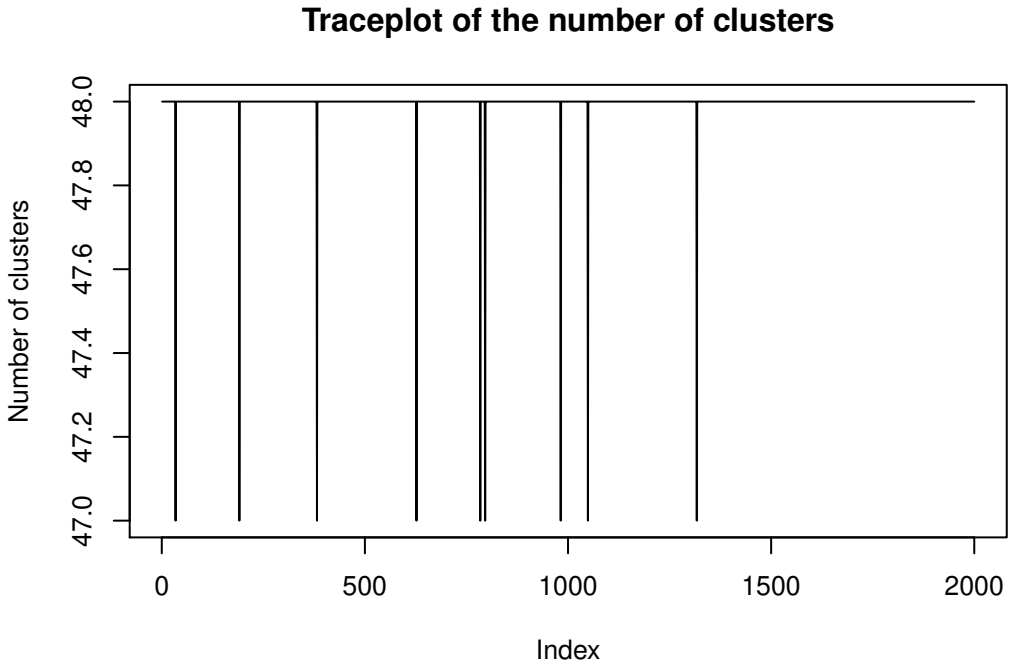

Traceplot of alpha
Alpha
50
150
250
350
0
500
1000
1500
2000
Index

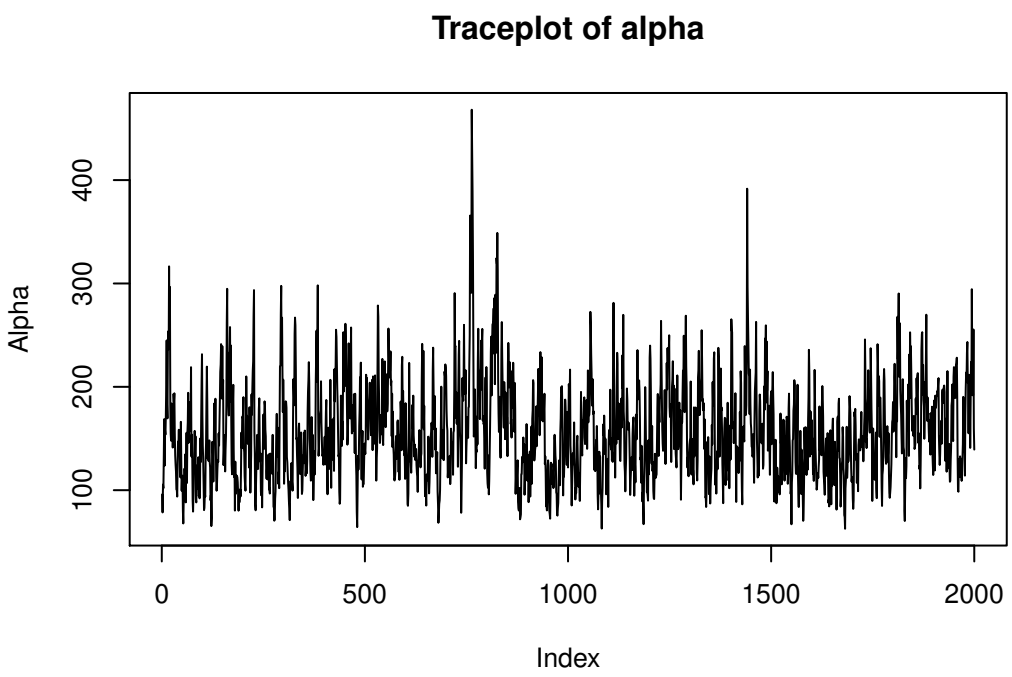

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

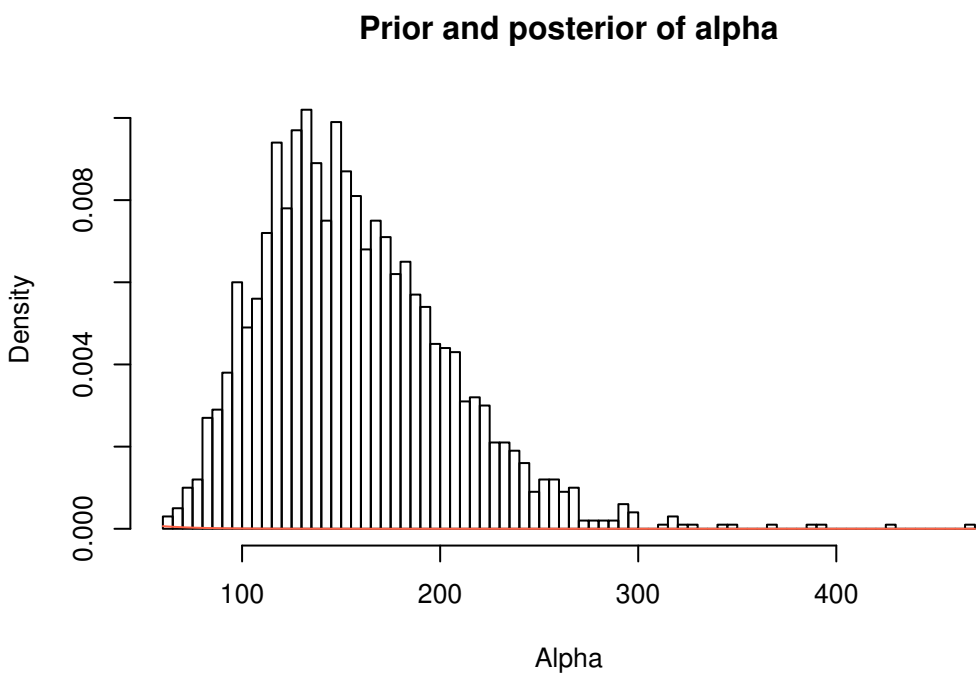

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

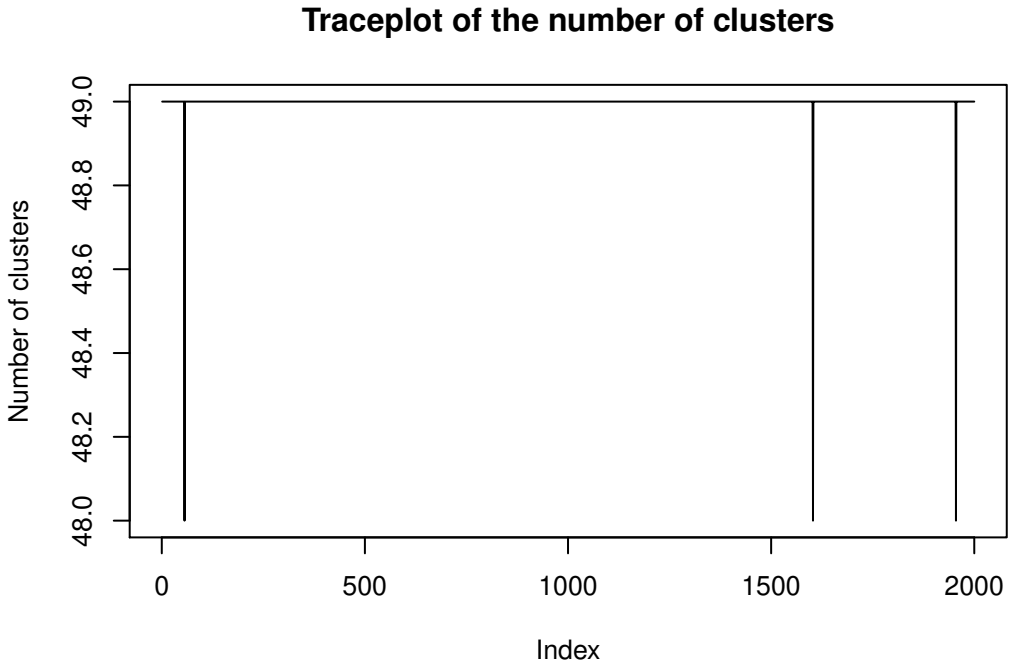

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

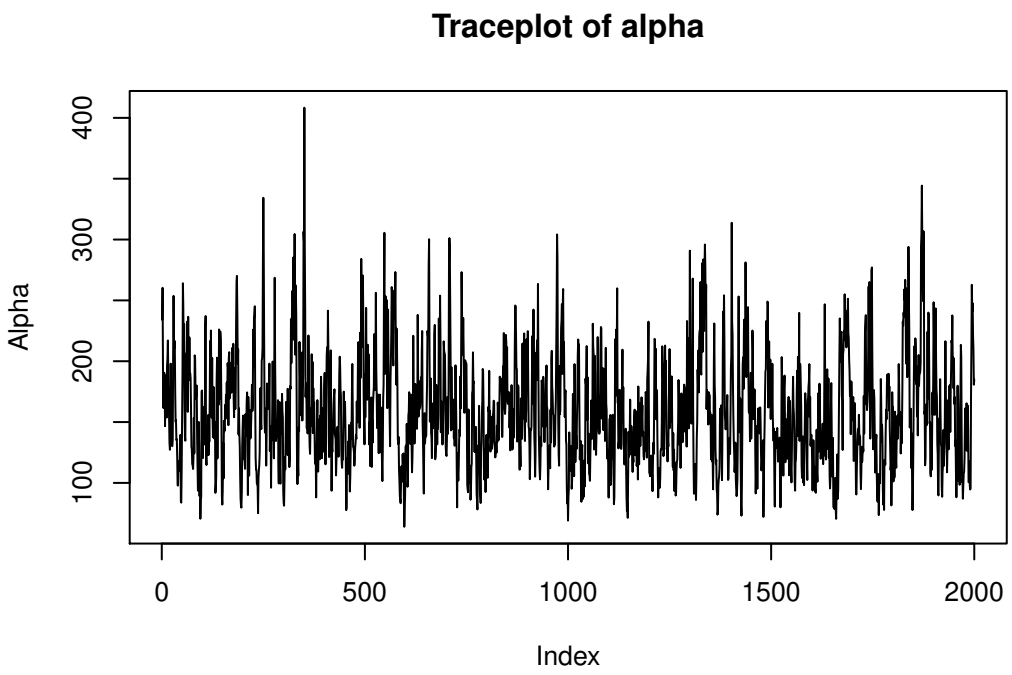

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

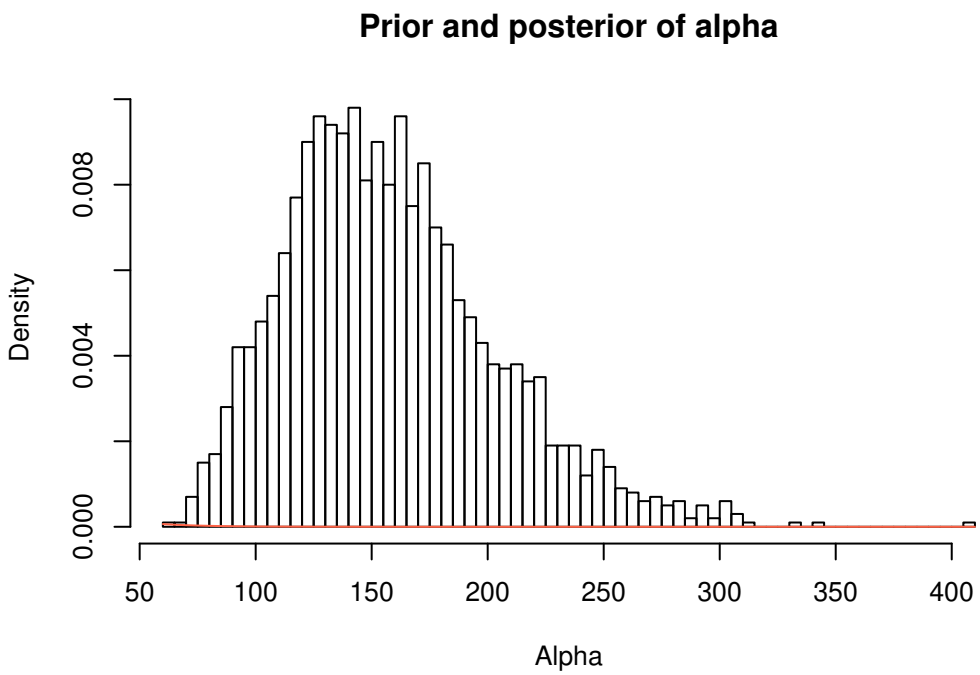

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

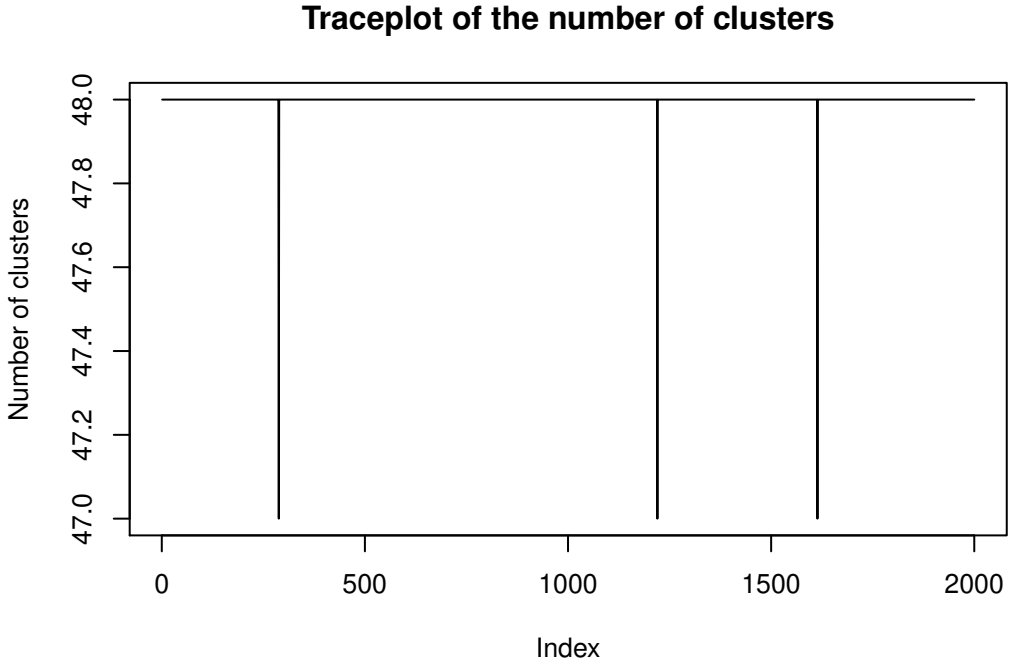

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

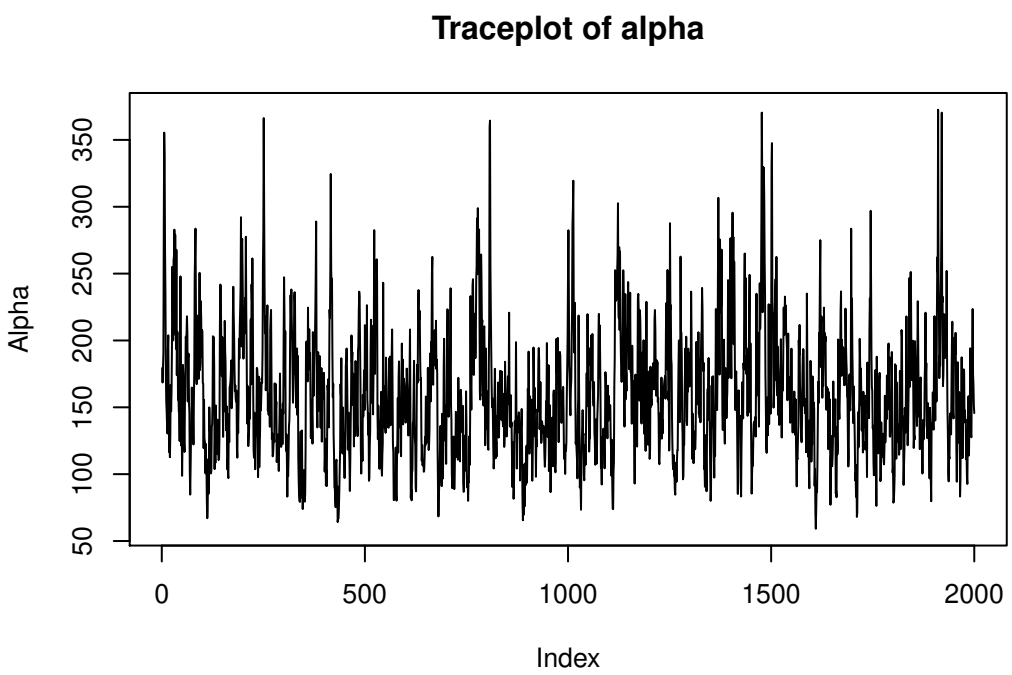

Prior and posterior of alpha
Density
0.000
0.004
0.008
100
200
300
400
Alpha

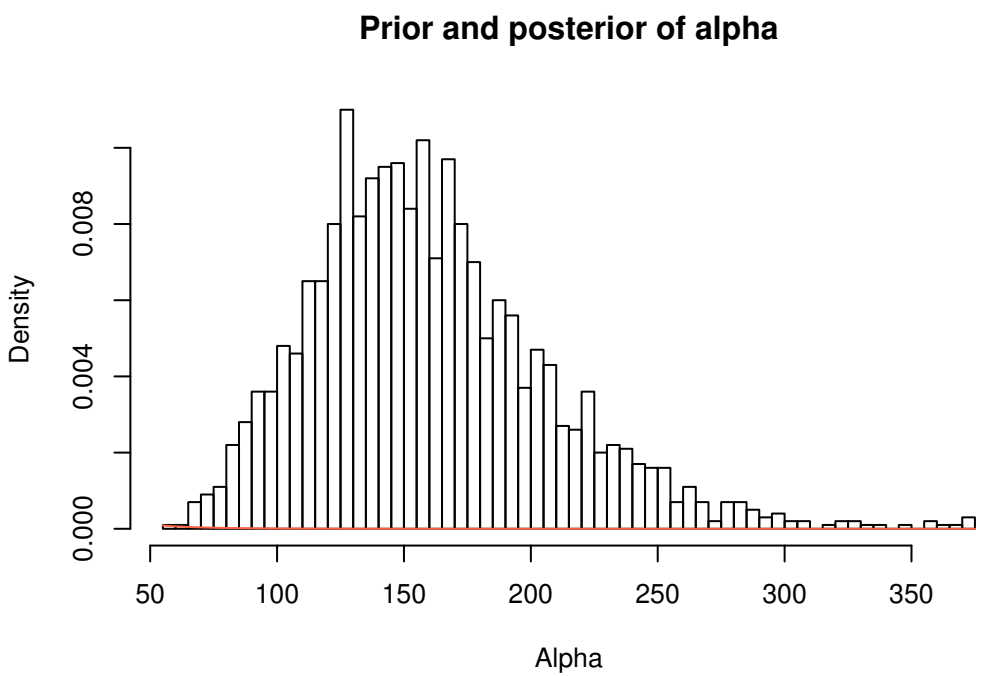

Traceplot of the number of clusters
Number of clusters
48.0
48.2
48.4
48.6
48.8
49.0
0
500
1000
1500
2000
Index

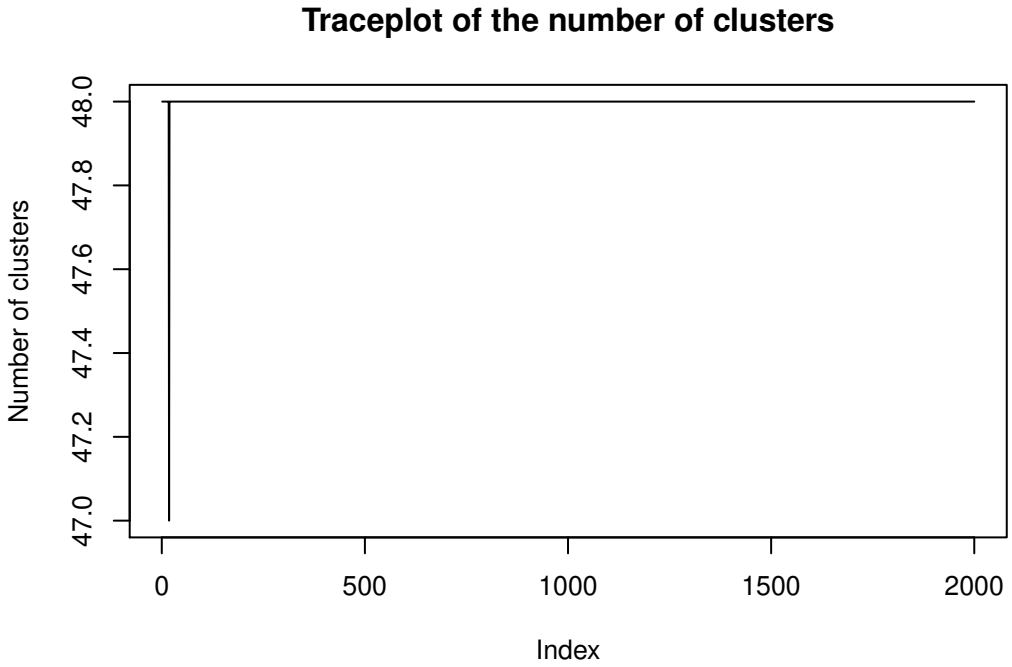

Traceplot of alpha
Alpha
100
200
300
400
0
500
1000
1500
2000
Index

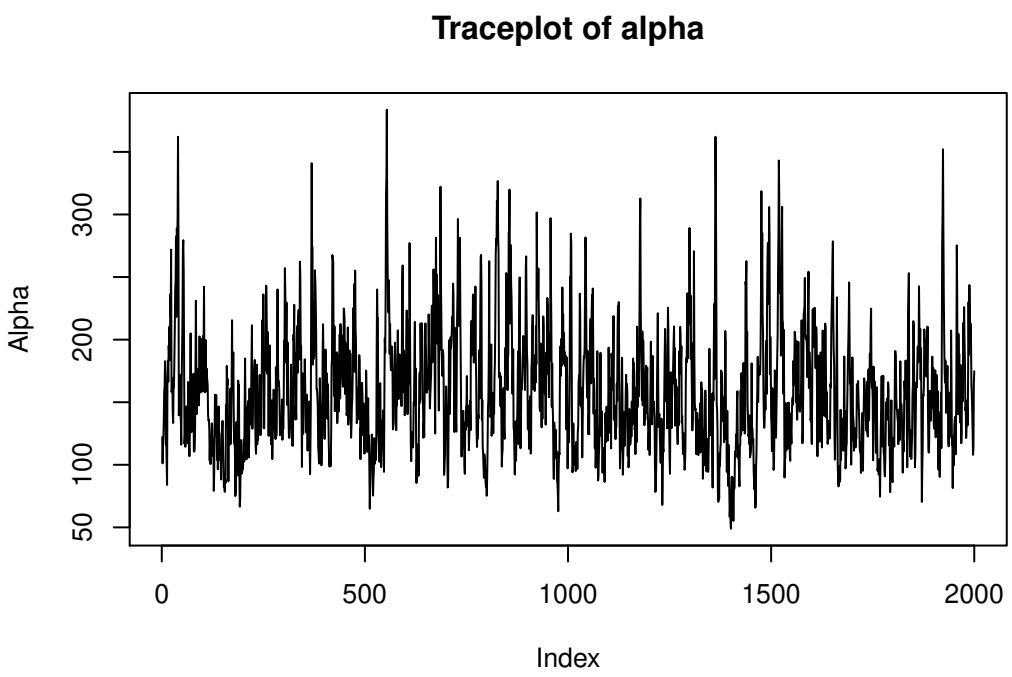

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha

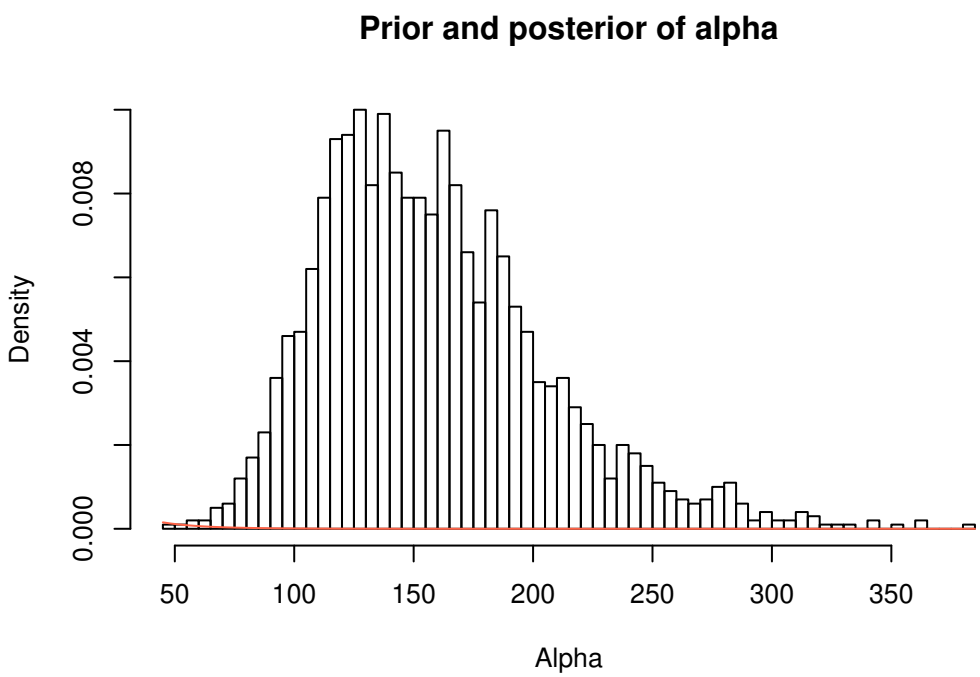

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

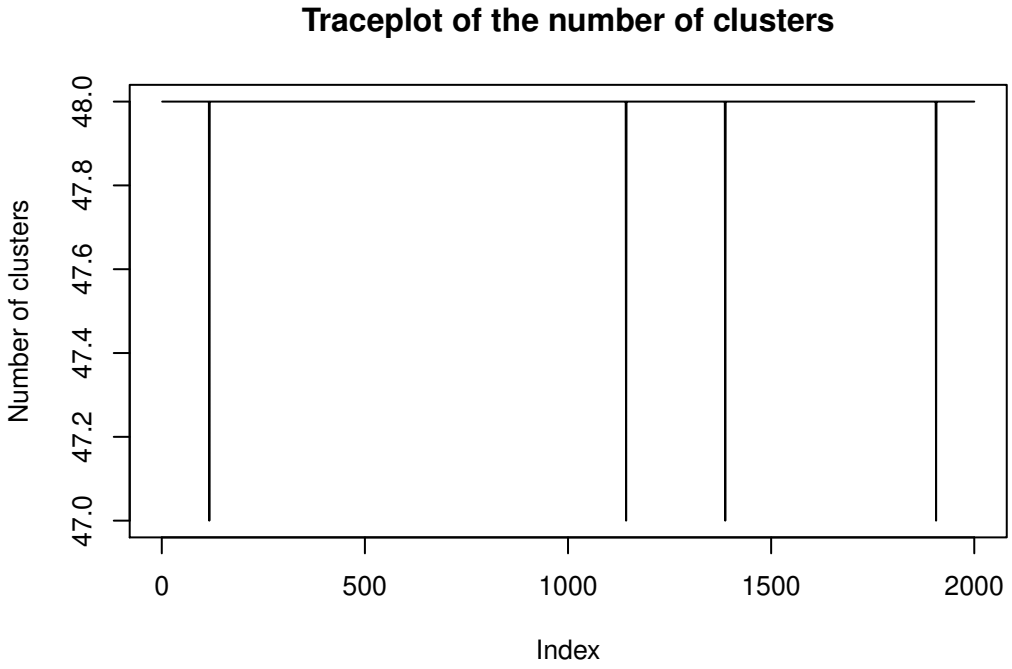

Traceplot of alpha
Alpha
50
100
150
200
250
300
350
0
500
1000
1500
2000
Index

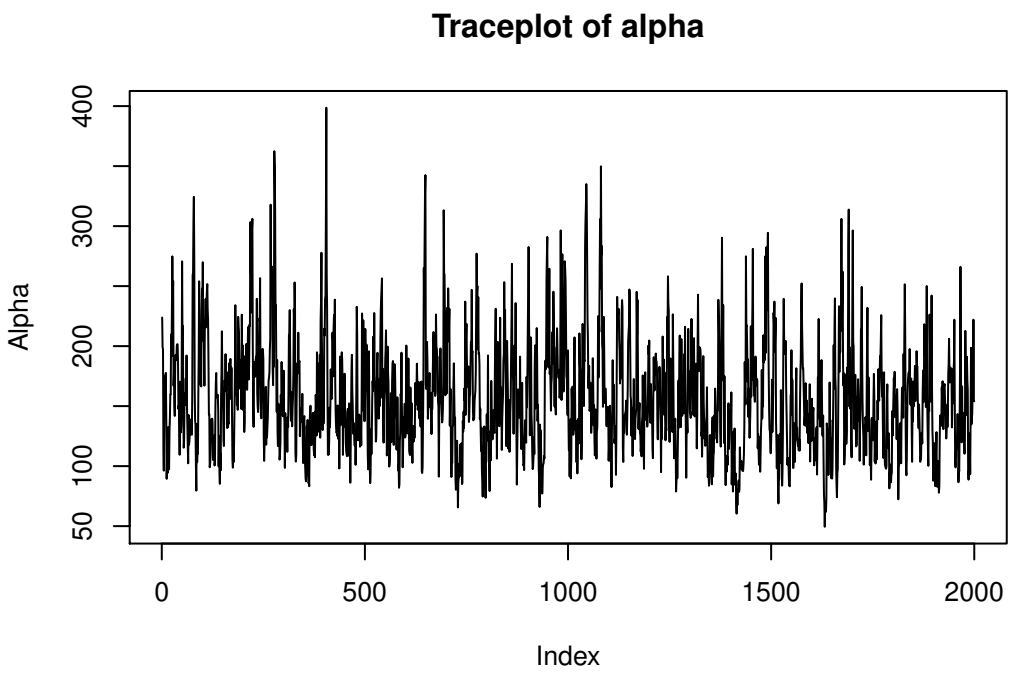

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

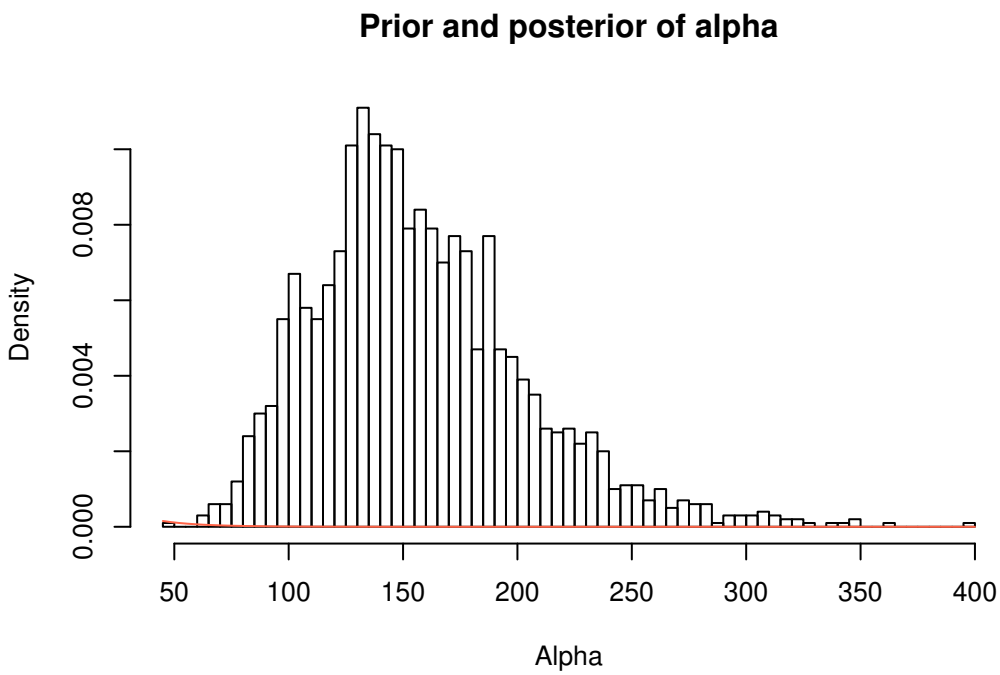

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

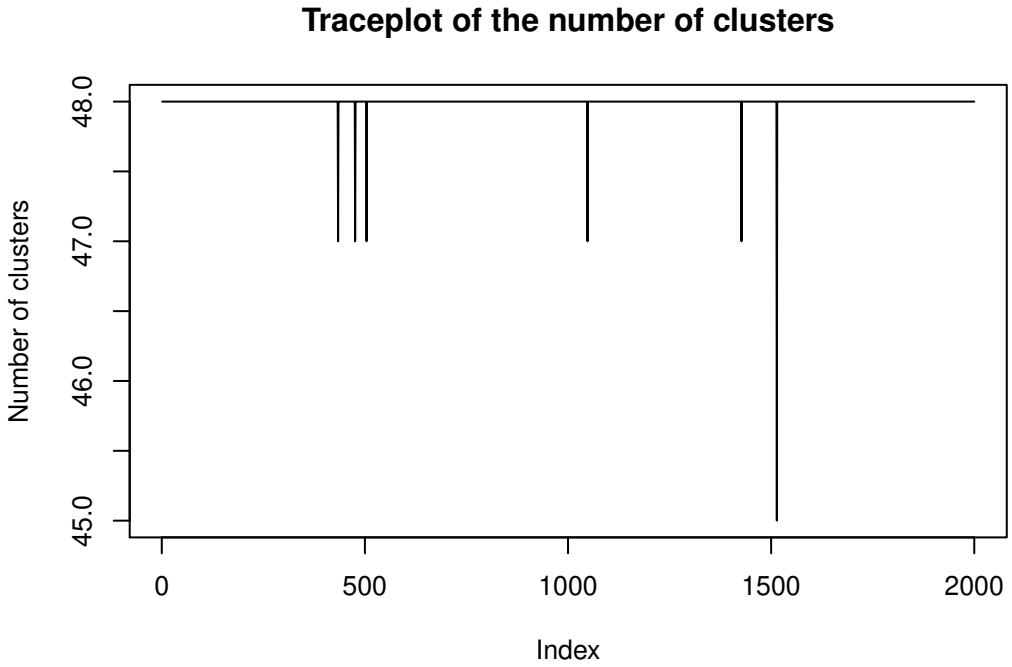

Traceplot of alpha
Alpha
50
100
200
300
0
500
1000
1500
2000
Index

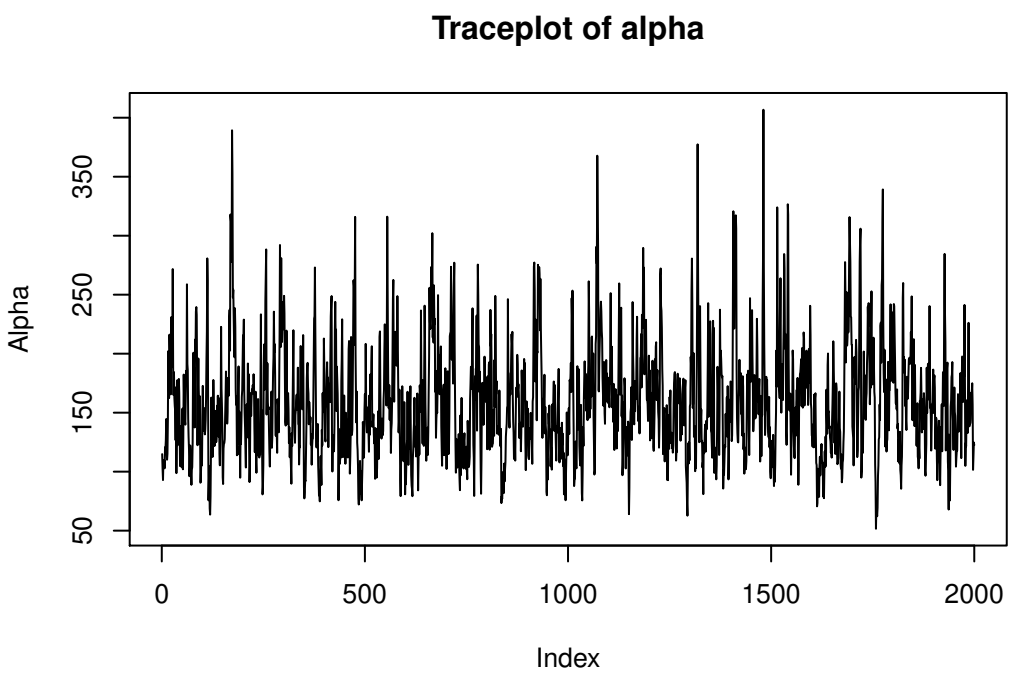

Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
Alpha

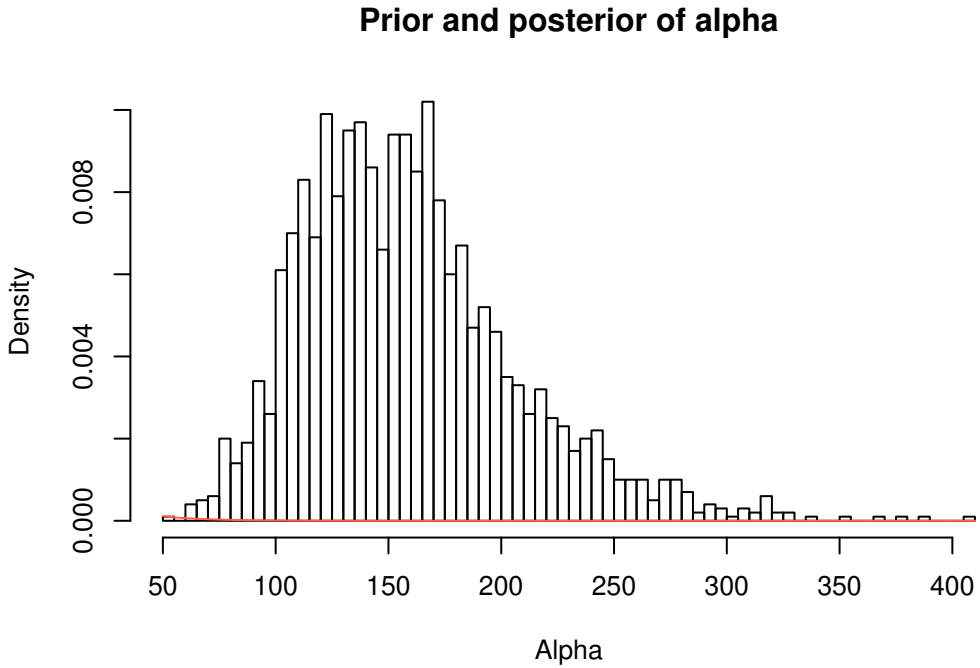

Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index

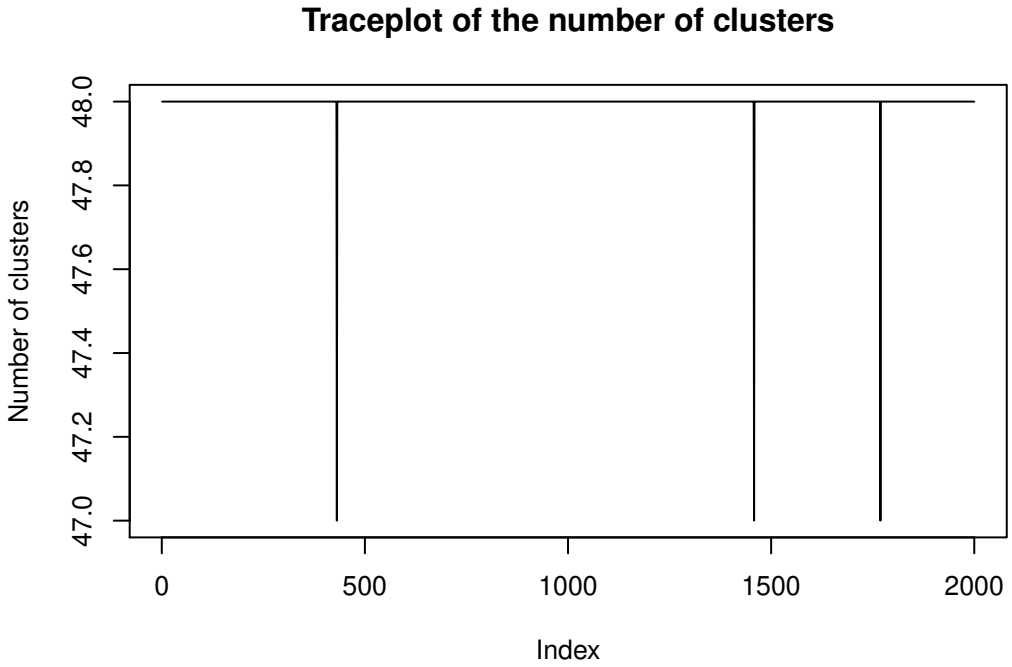

Traceplot of alpha
Alpha
50
100
200
300
400
0
500
1000
1500
2000
Index


Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha


Traceplot of the number of clusters
Number of clusters
45.0
46.0
47.0
48.0
0
500
1000
1500
2000
Index


Traceplot of alpha
Alpha
50
150
250
350
0
500
1000
1500
2000
Index


Prior and posterior of alpha
Density
0.000
0.004
0.008
50
100
150
200
250
300
350
400
Alpha


Traceplot of the number of clusters
Number of clusters
47.0
47.2
47.4
47.6
47.8
48.0
0
500
1000
1500
2000
Index