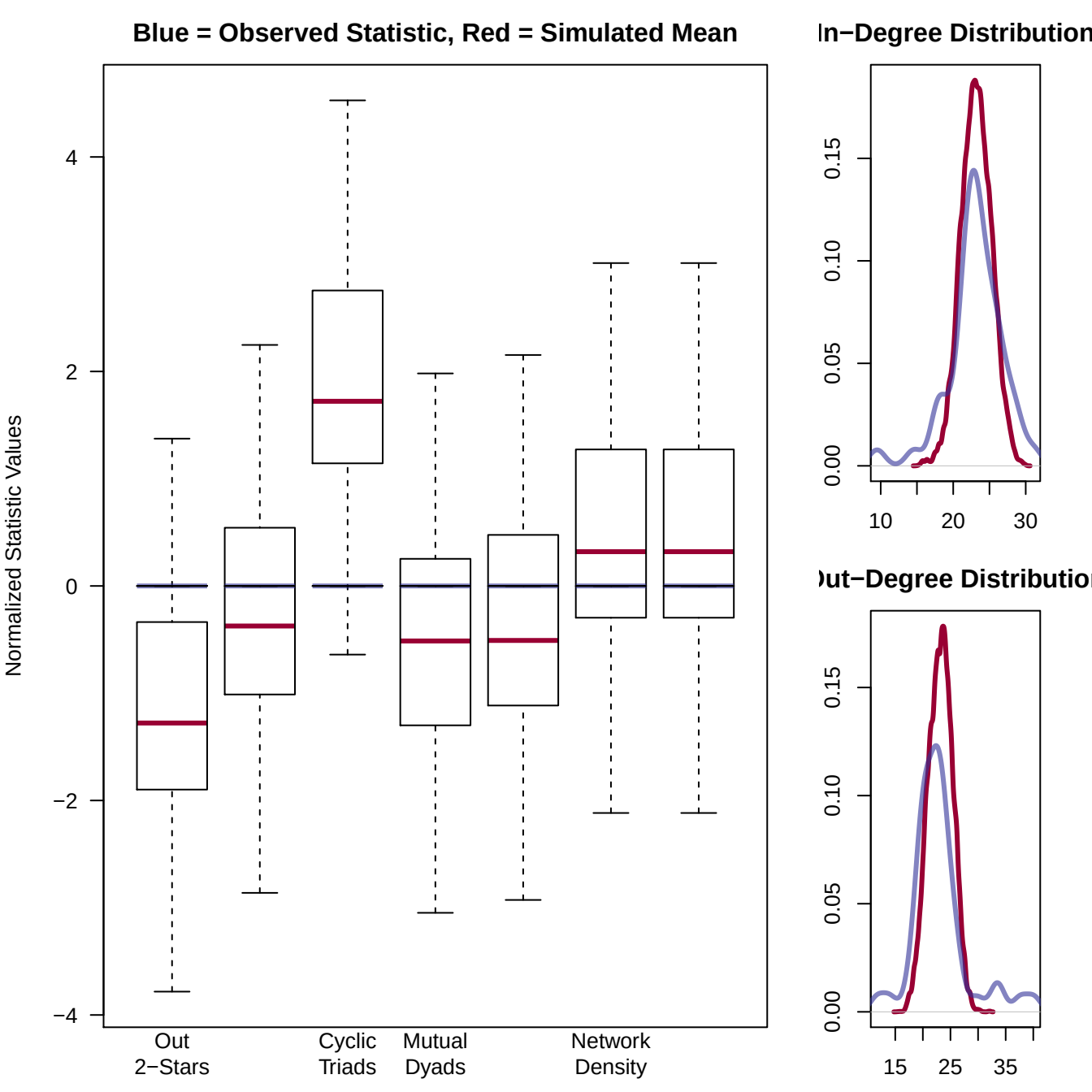
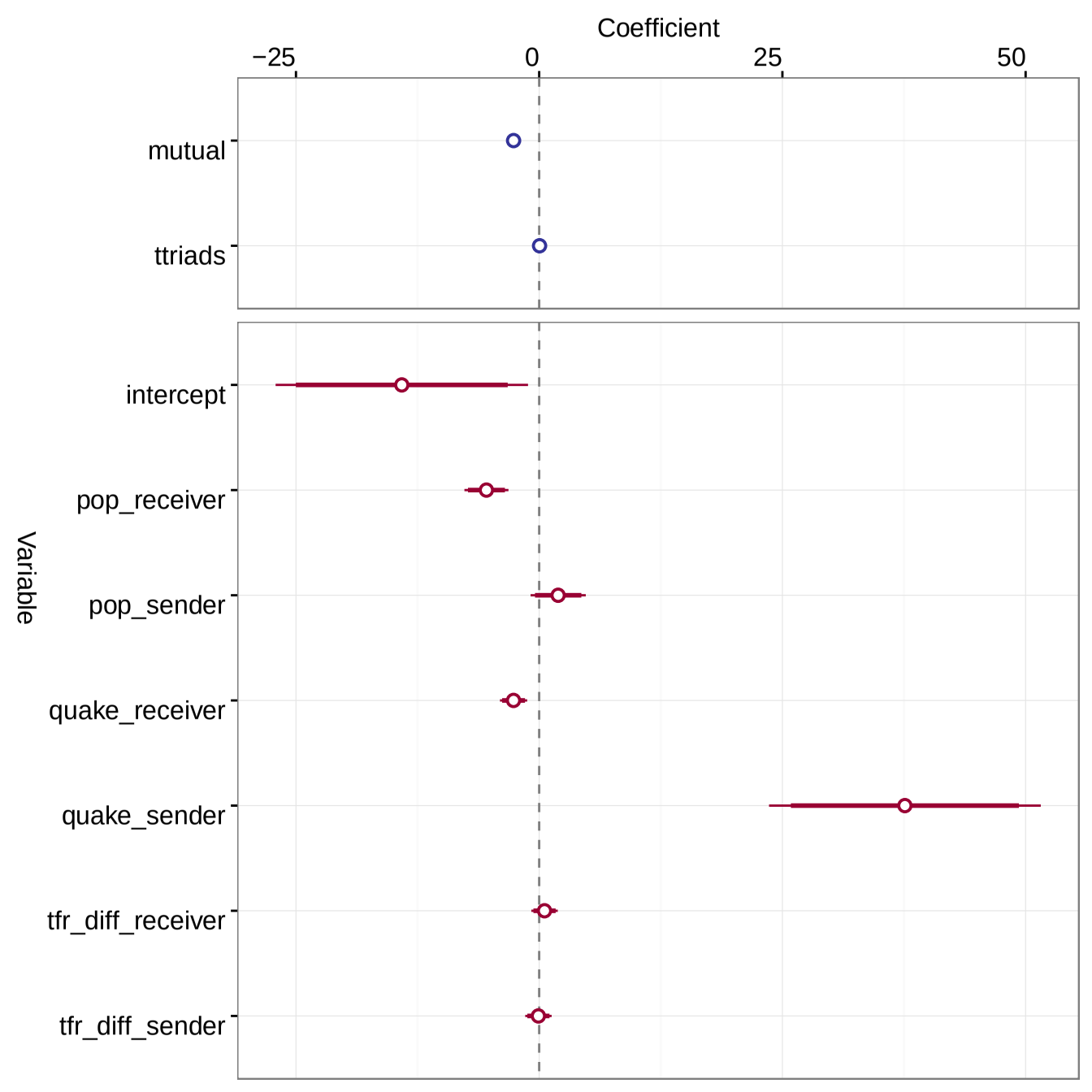
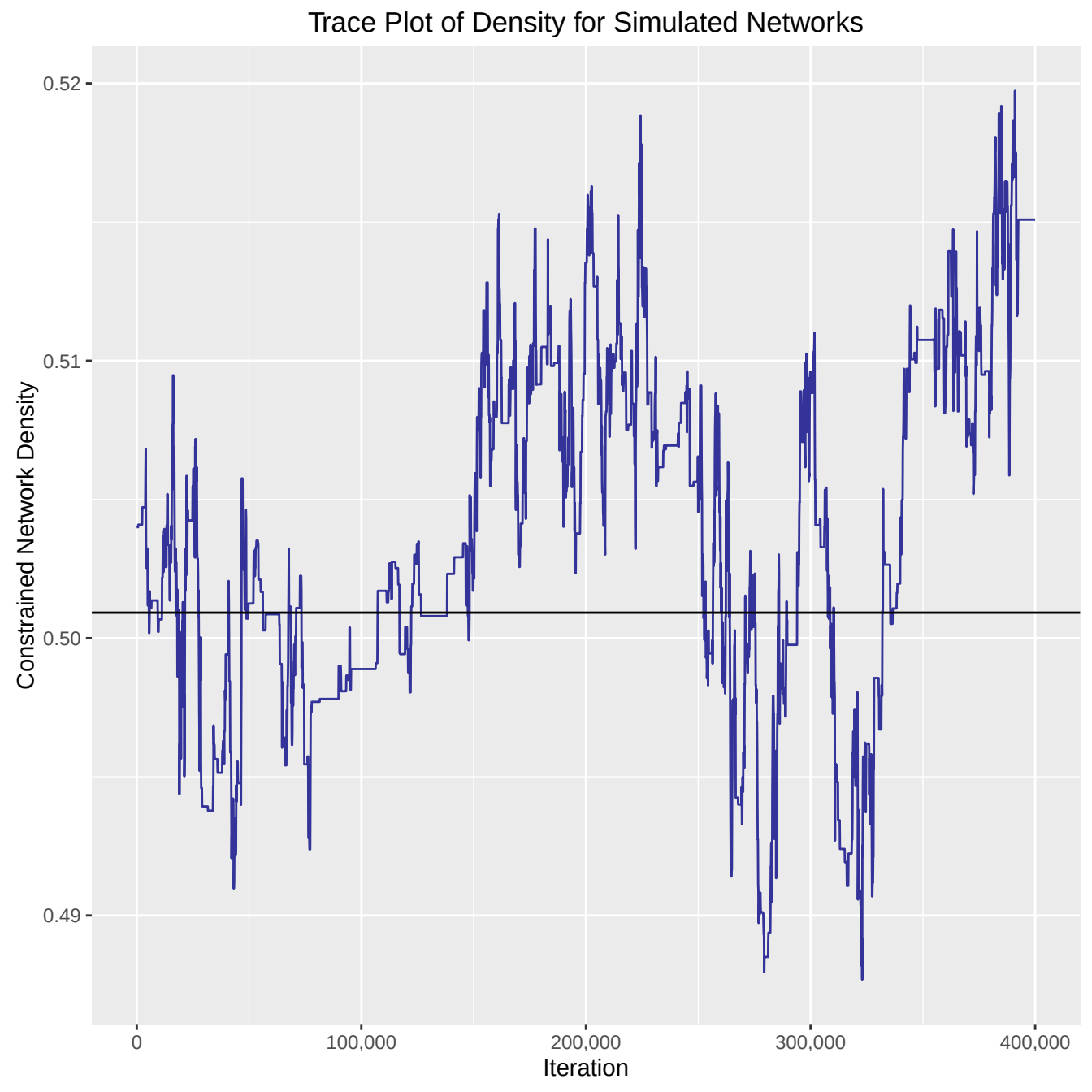

Blue = Observed Statistic, Red = Simulated Mean
Normalized Statistic Values
4
2
0
−2
−4
Out
2−Stars
Cyclic
Triads
Mutual
Dyads
Network
Density
In−Degree Distribution
0.15
0.10
0.05
0.00
10
20
30
Out−Degree Distributio
0.15
0.10
0.05
0.00
15
25
35


Coefficient
−25
0
25
50
mutual
ttriads
intercept
pop_receiver
pop_sender
quake_receiver
quake_sender
tfr_diff_receiver
tfr_diff_sender
Variable


Trace Plot of Density for Simulated Networks
Constrained Network Density
0.52
0.51
0.50
0.49
0
100,000
200,000
300,000
400,000
Iteration