

**A**

Simulation Results – Log Chi-squared distribution

Frequency

60  
40  
20  
0

6.5 7.0 7.5 8.0 8.5 9.0

log Chi-squared test statistic

**B**

Simulation Results – Log-likelihood distribution

Frequency

20  
15  
10  
5  
0

-2500 -2000 -1500

log-likelihood