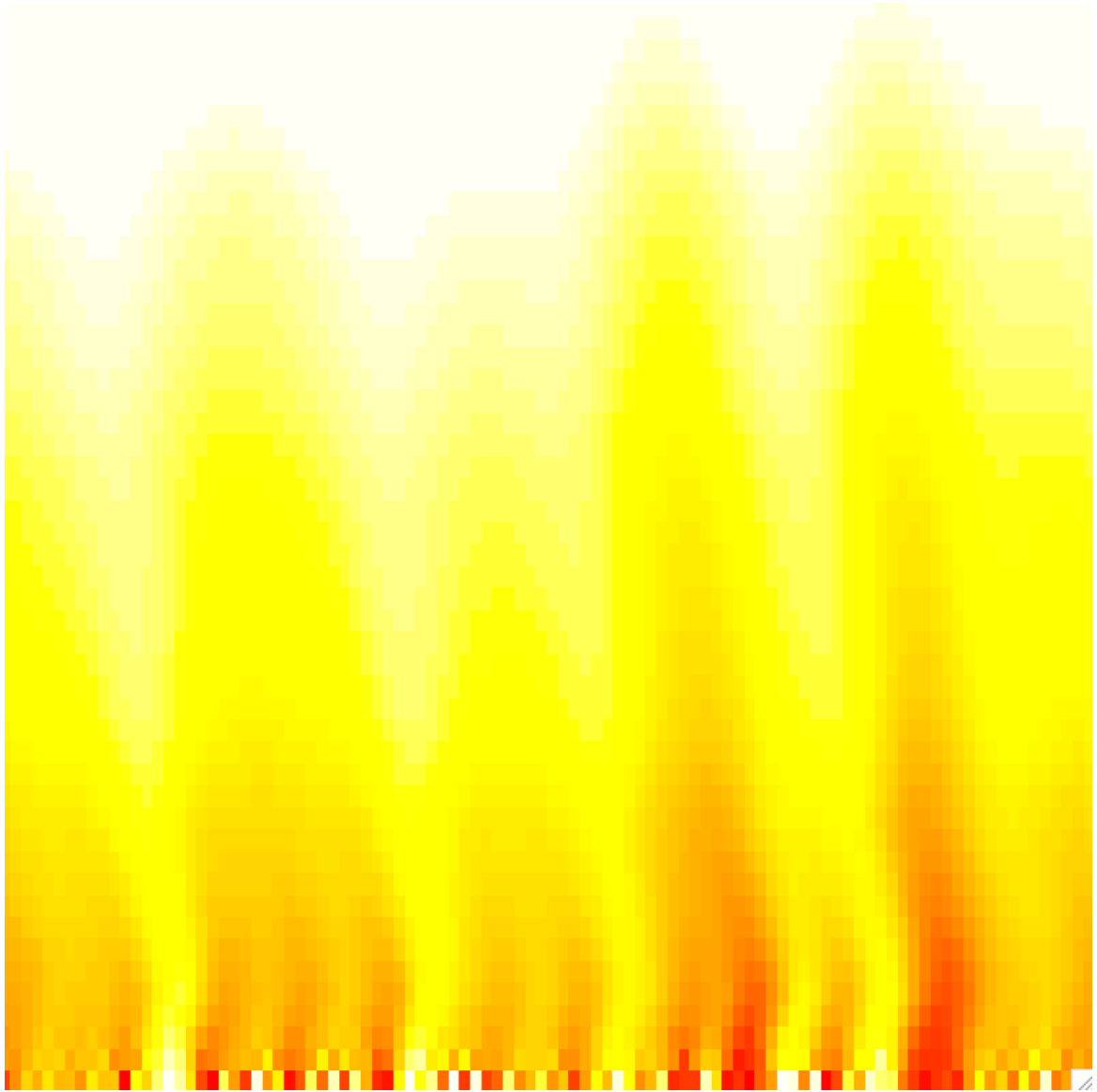
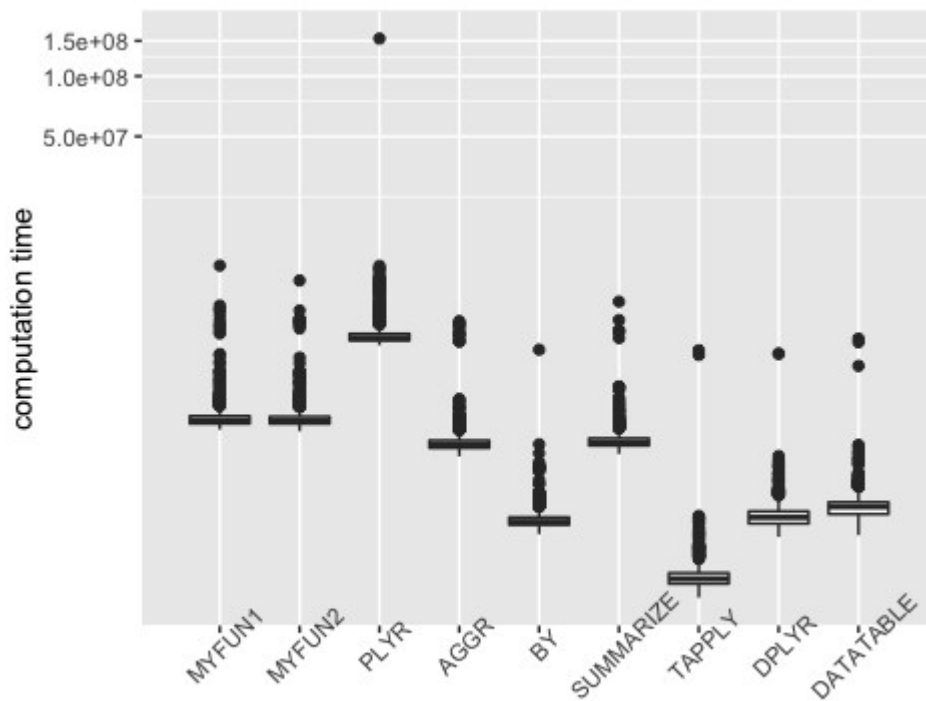
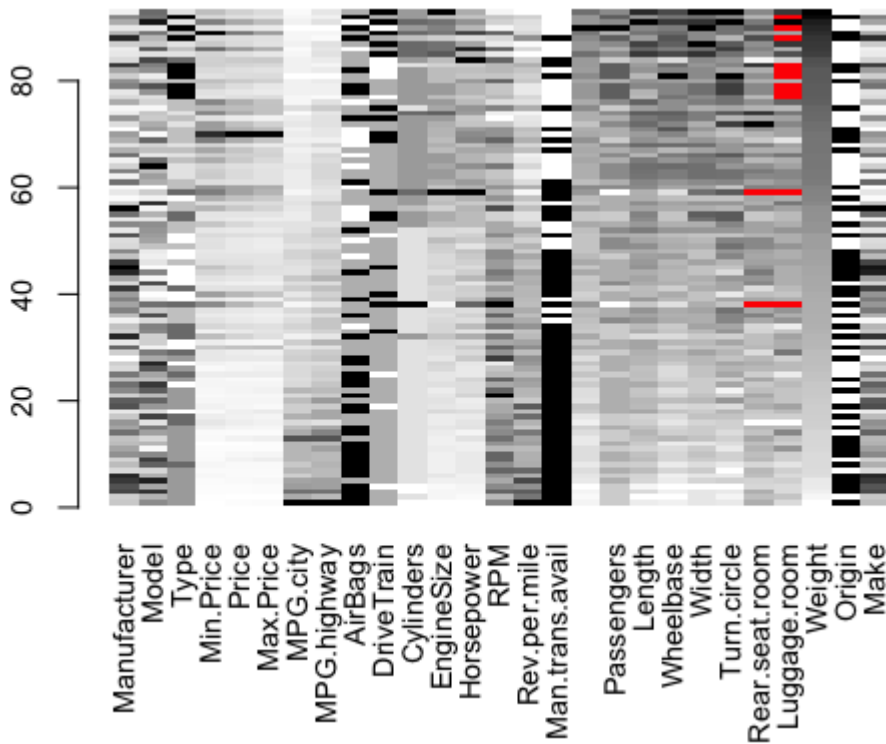
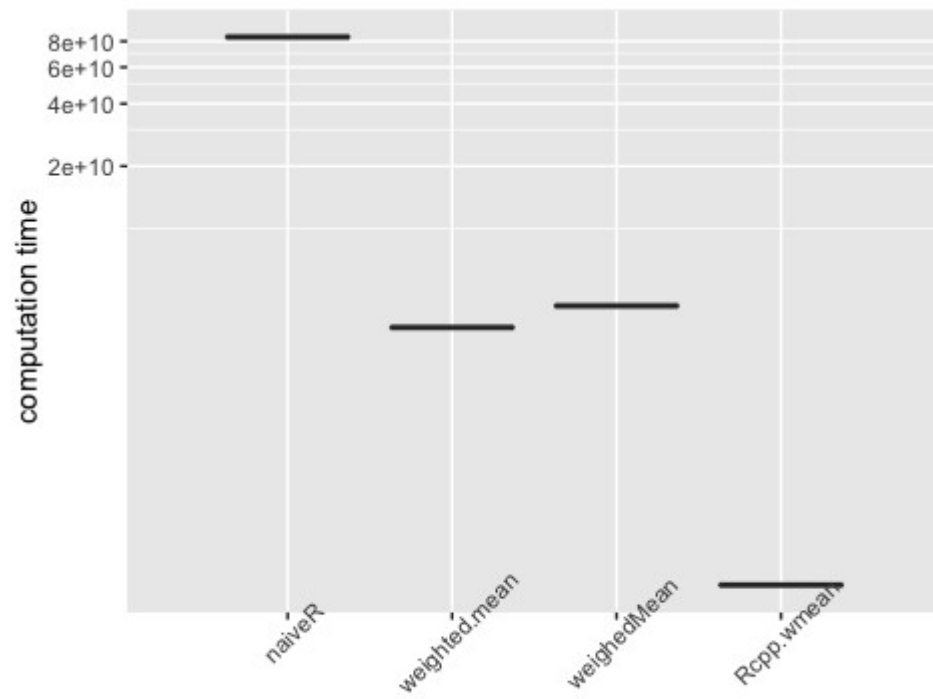
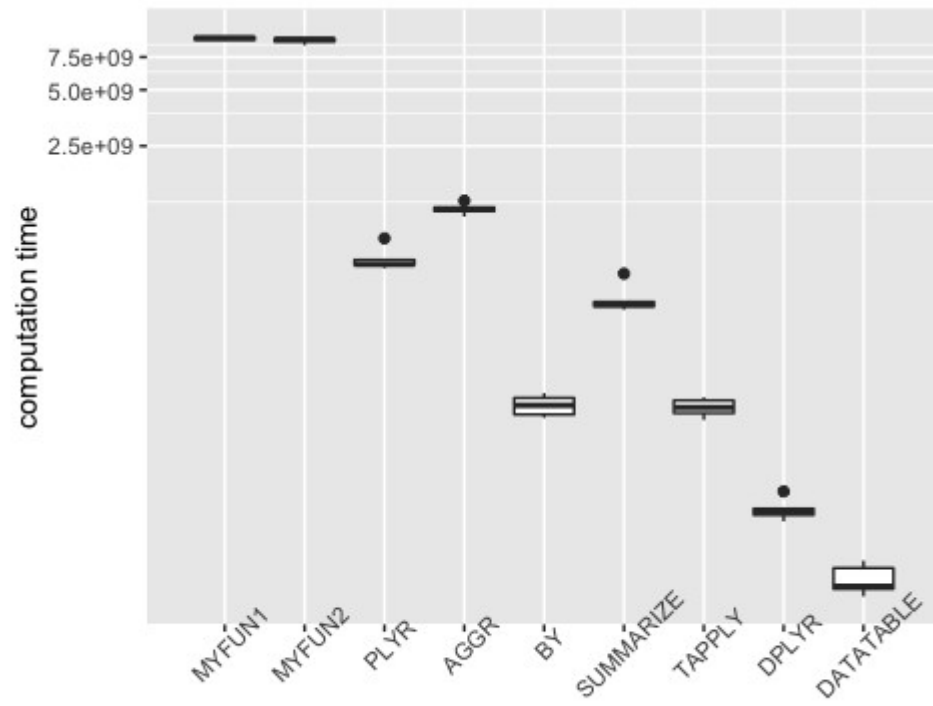


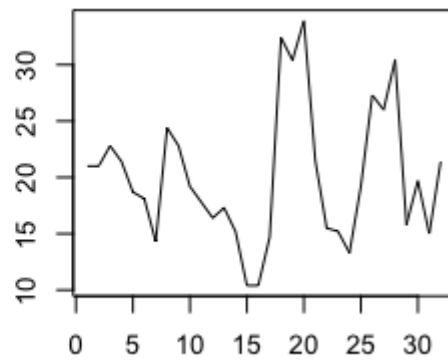
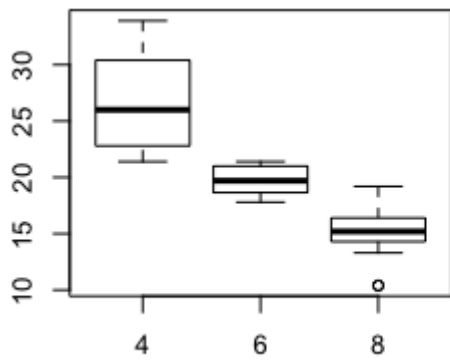
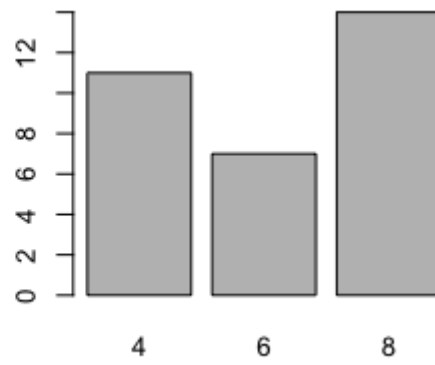
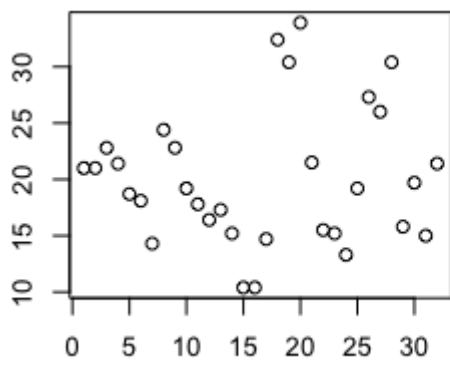
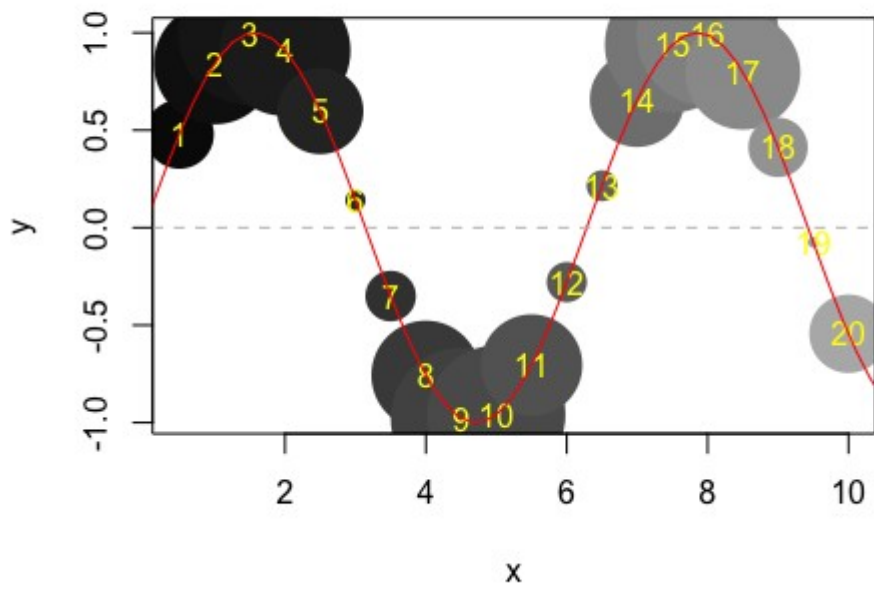
Chapter 1: Introduction

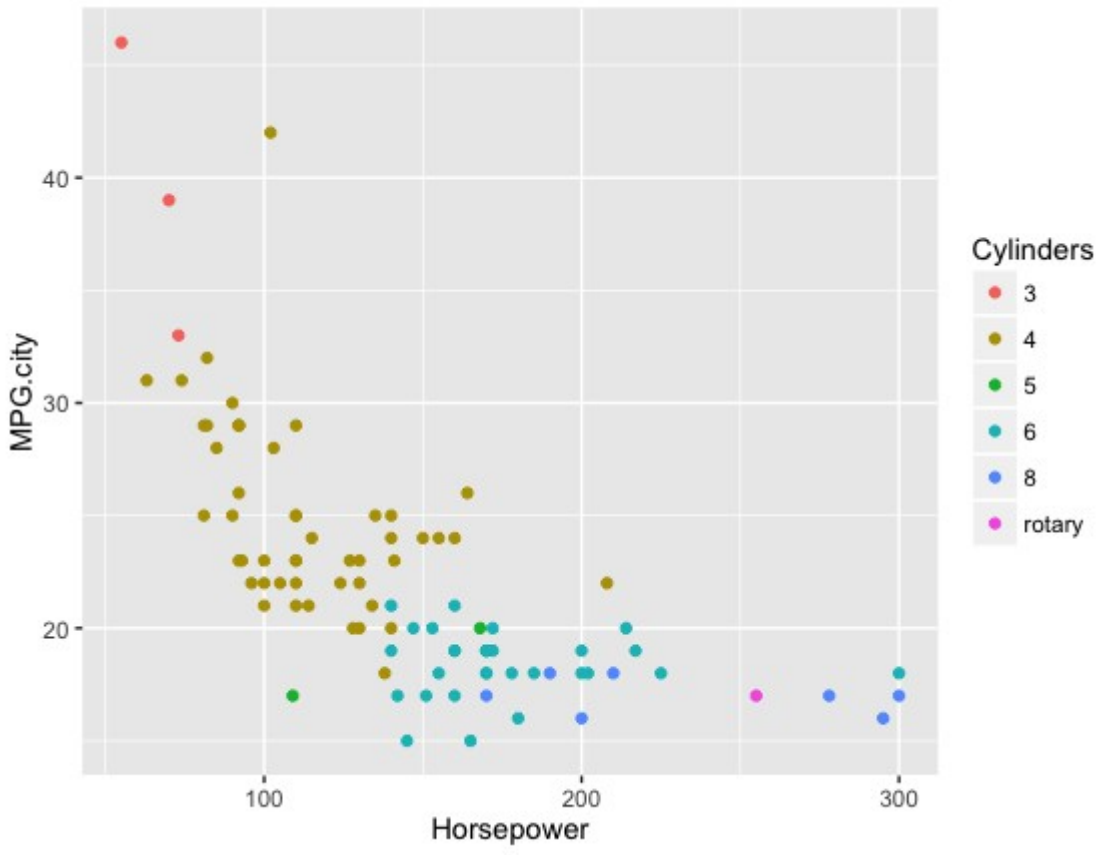
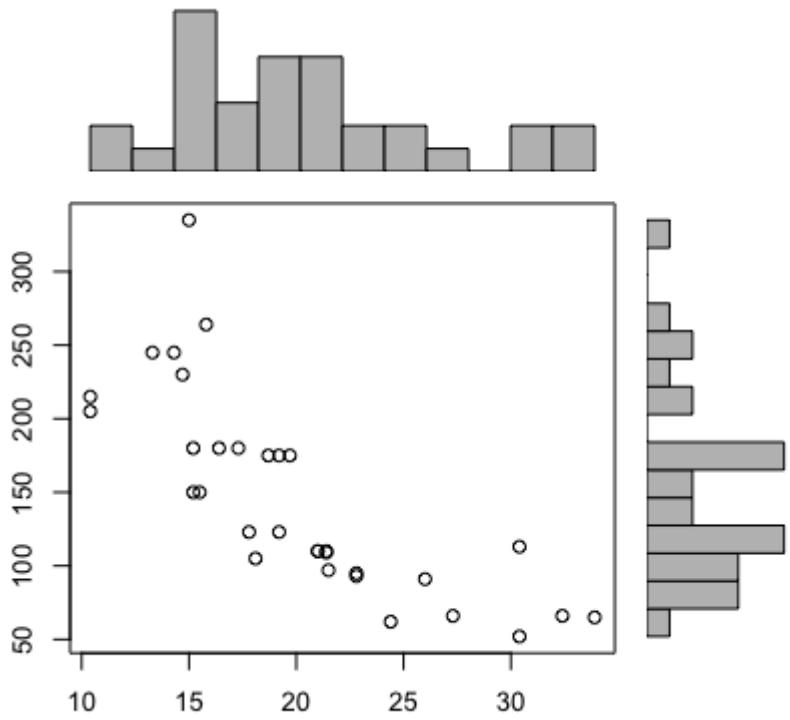


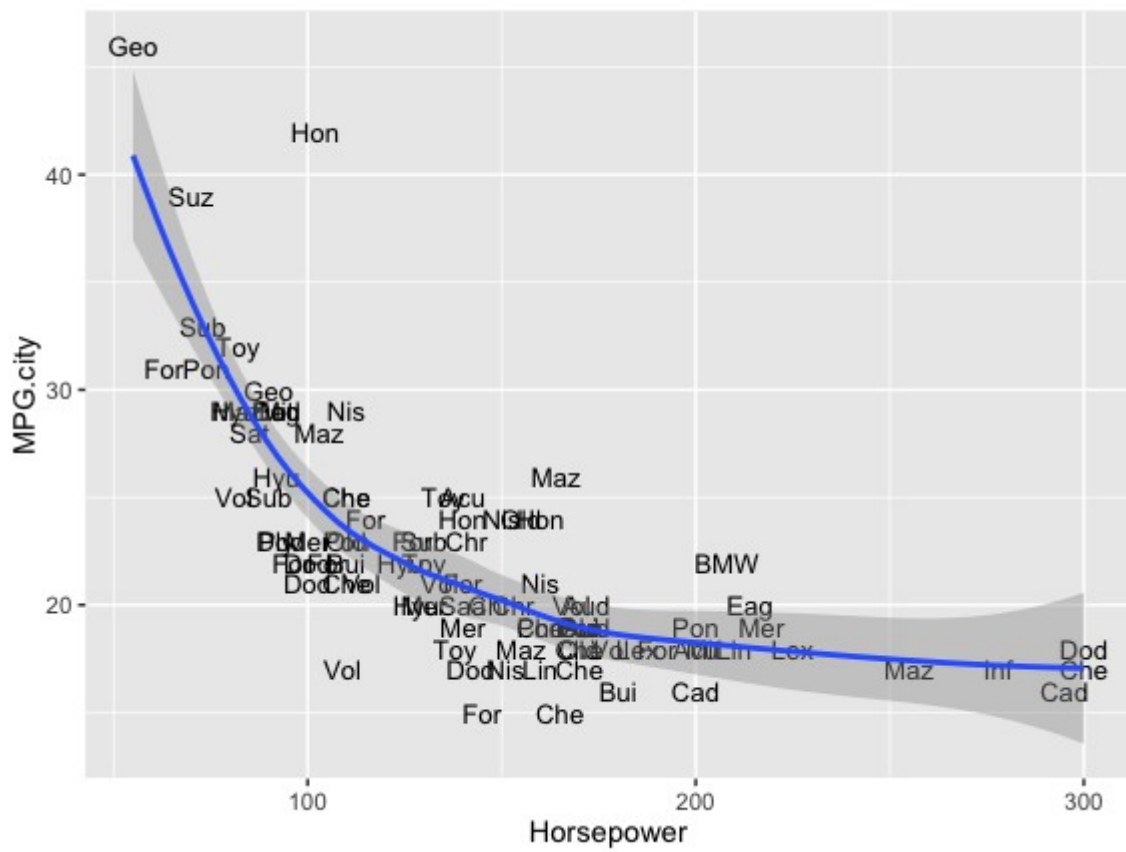
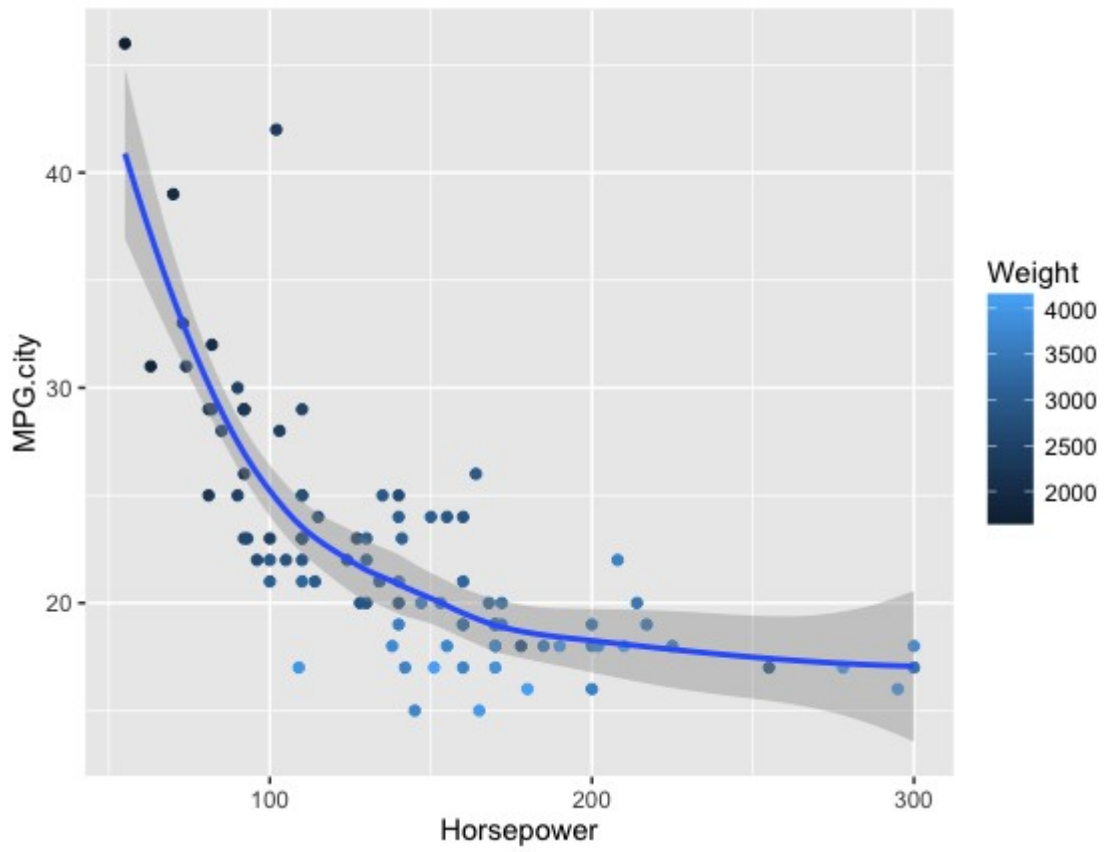
Chapter 2: R and High-Performance Computing

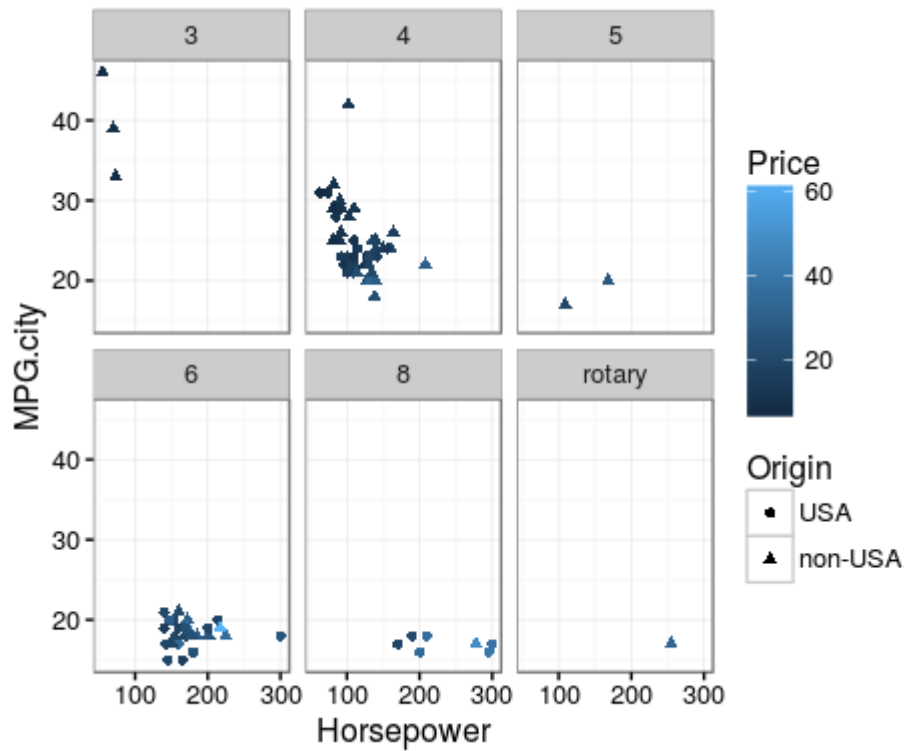




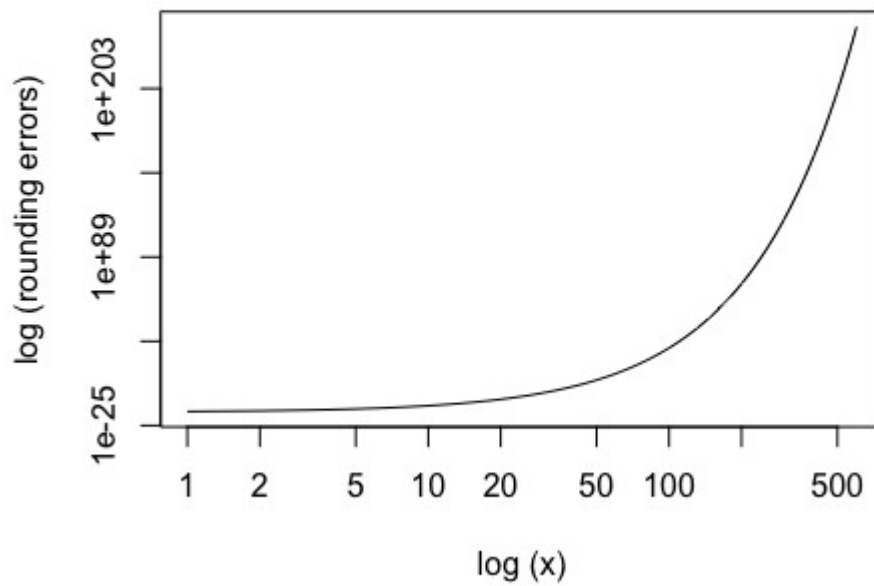


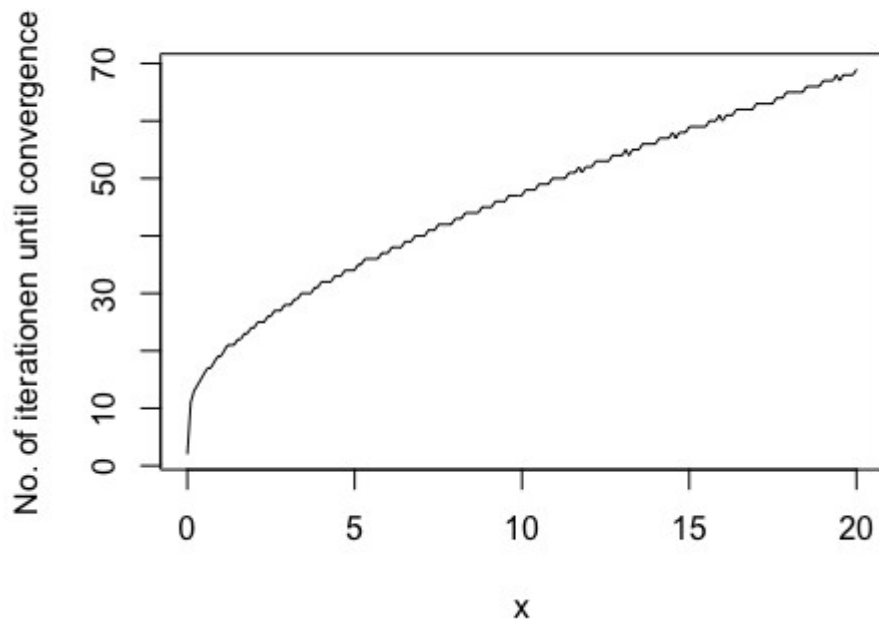




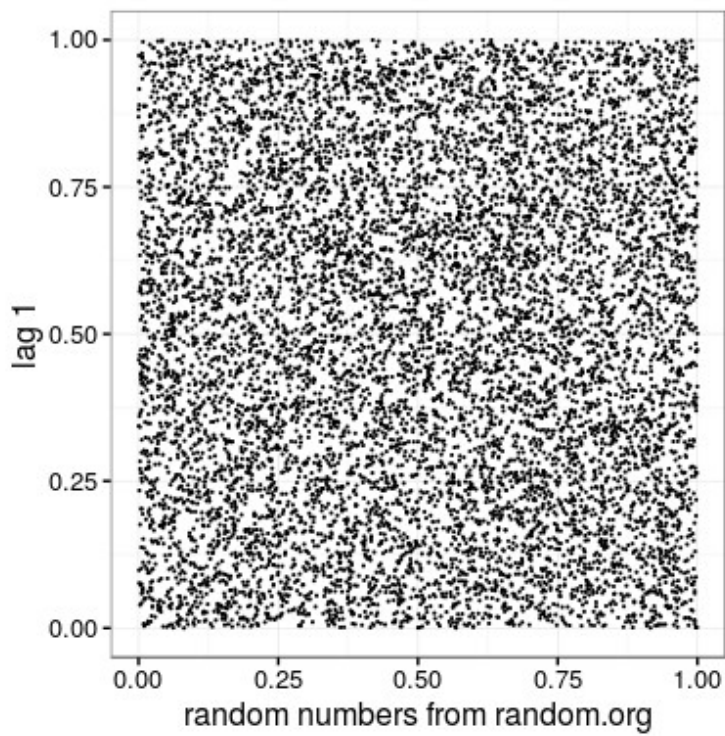


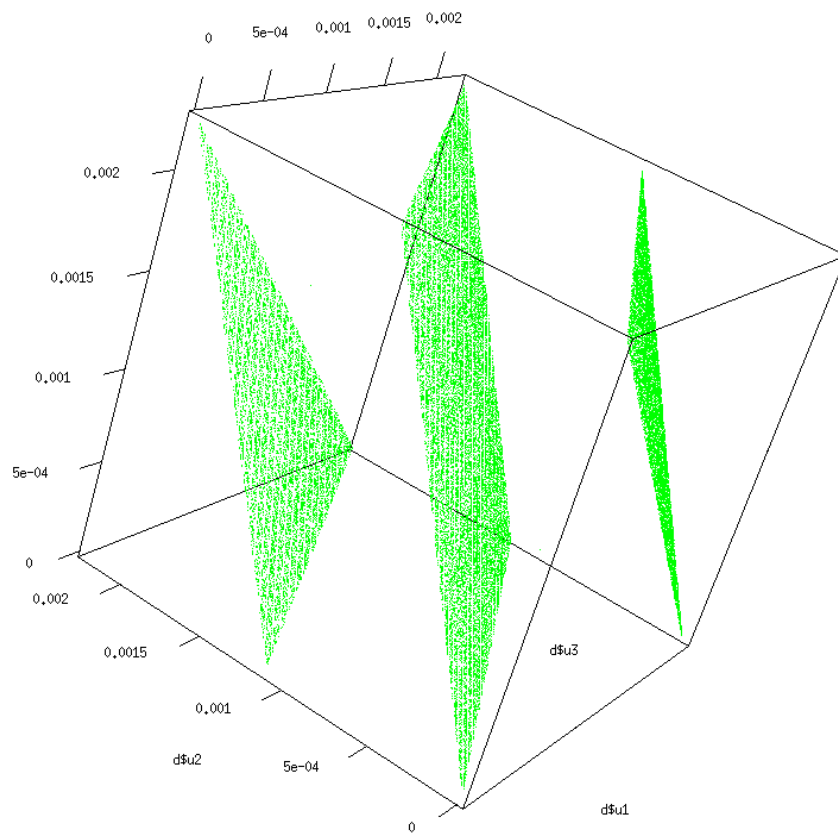
Chapter 3: The Discrepancy between Pencil-Driven Theory and Data-Driven Computational Solutions

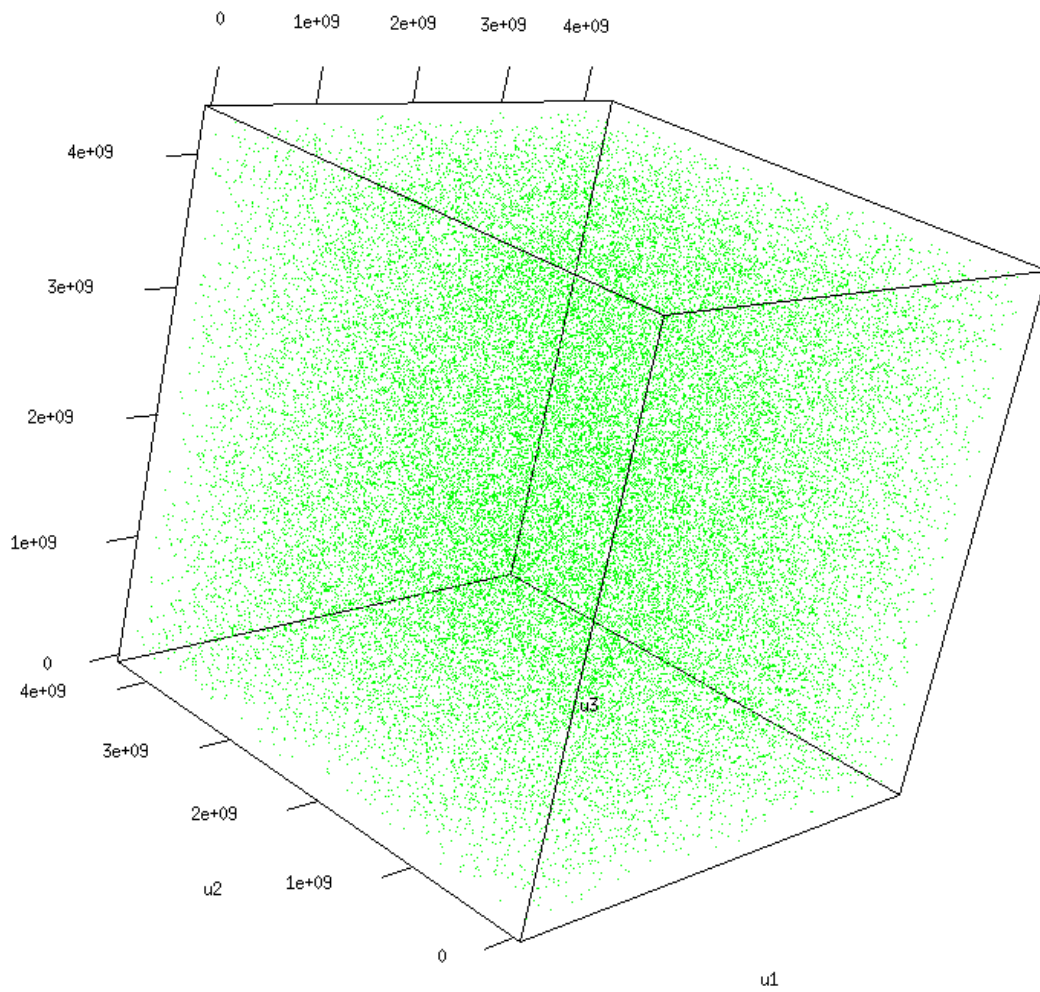




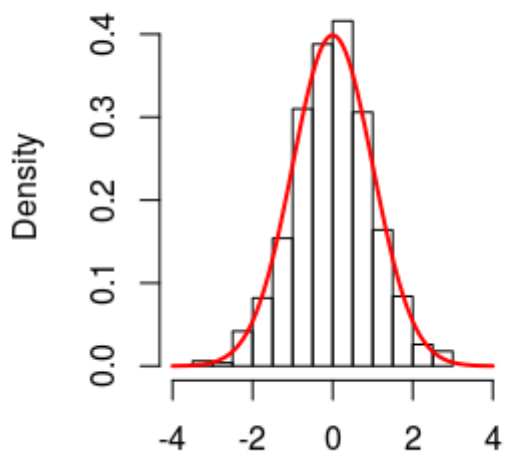
Chapter 4: Simulation of Random Numbers



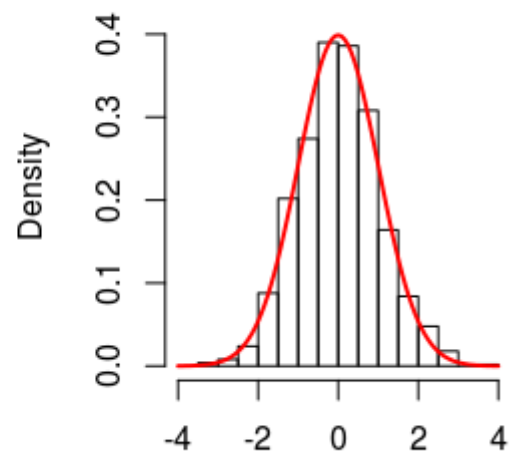




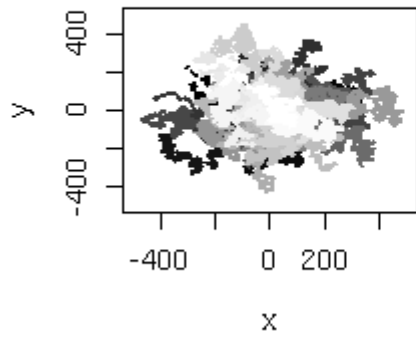
Mersenne Twister, Inversion



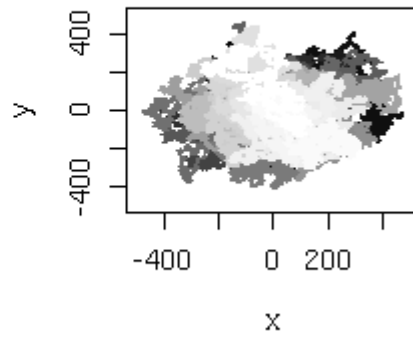
Super-Duper, Box-Muller



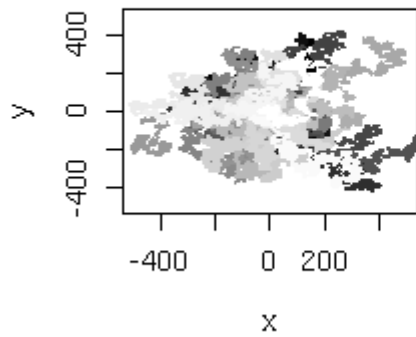
Mersenne-Twister



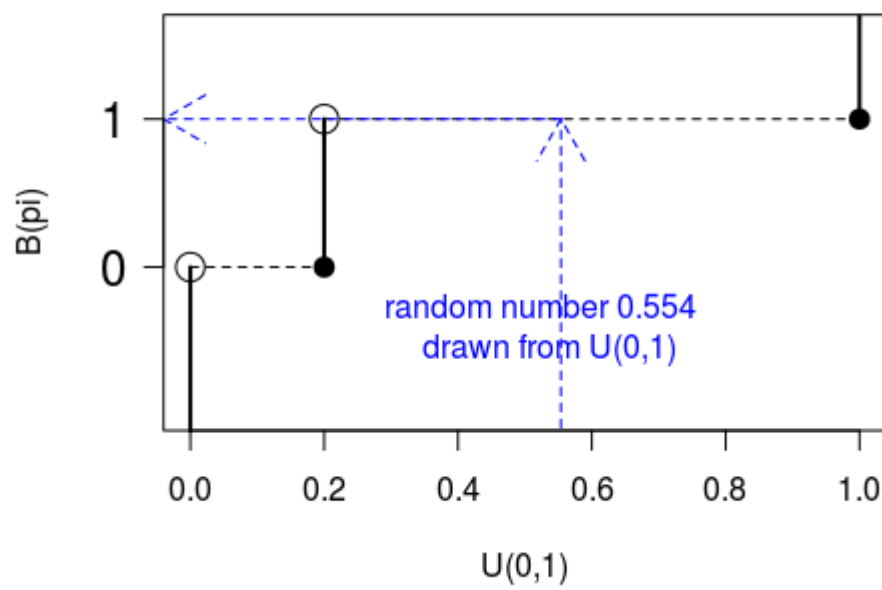
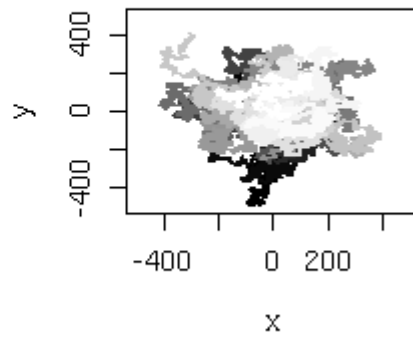
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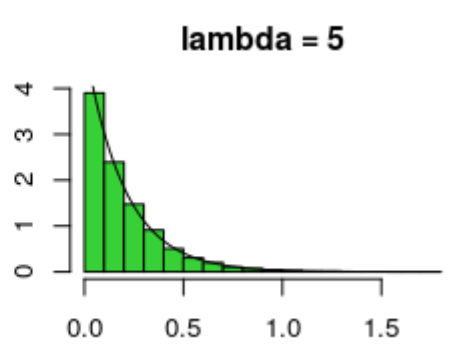
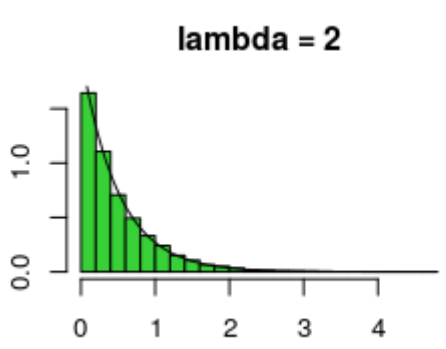
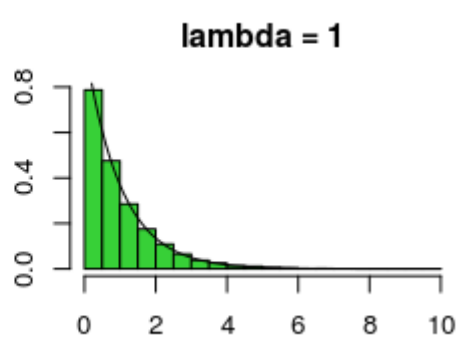
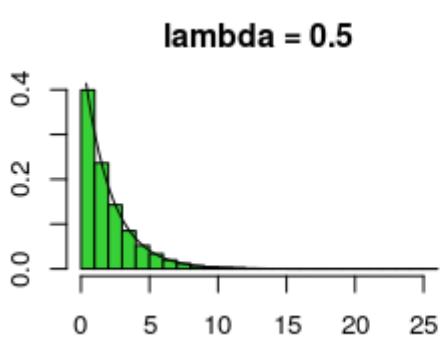
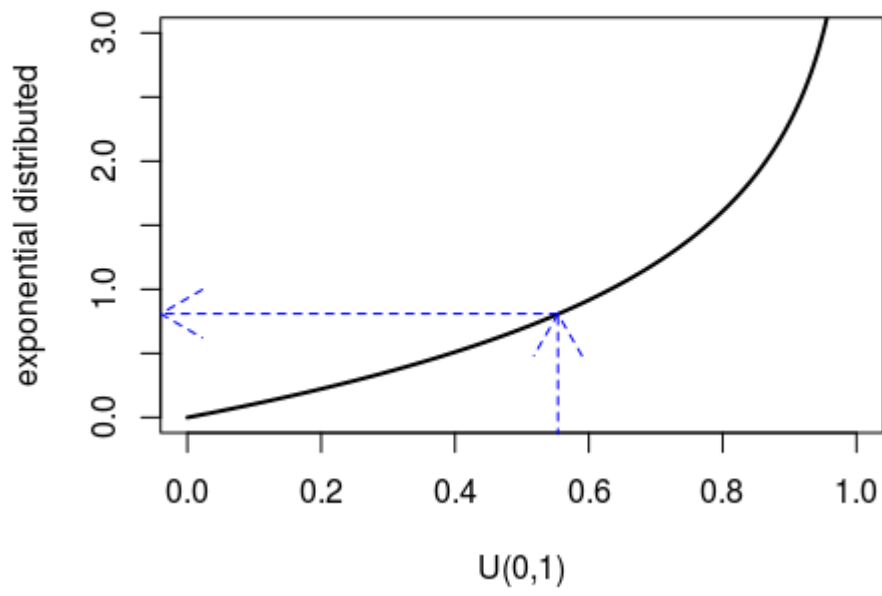


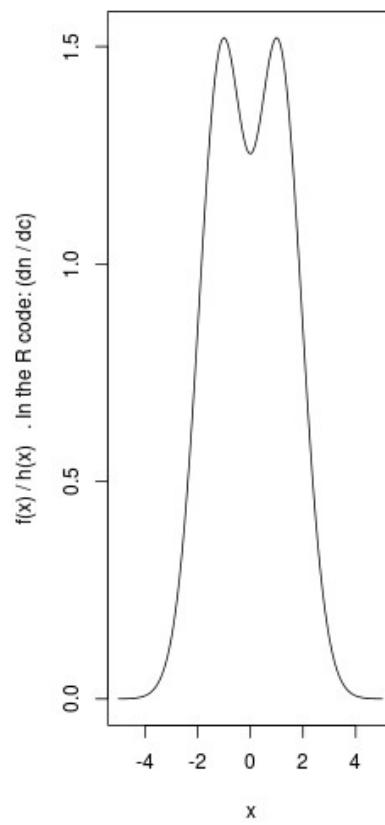
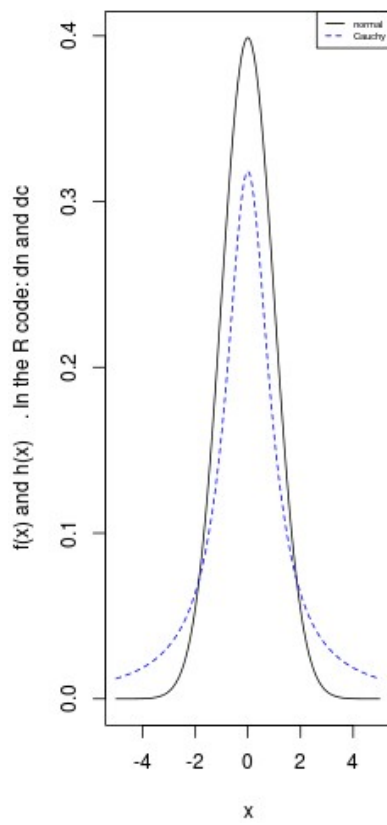
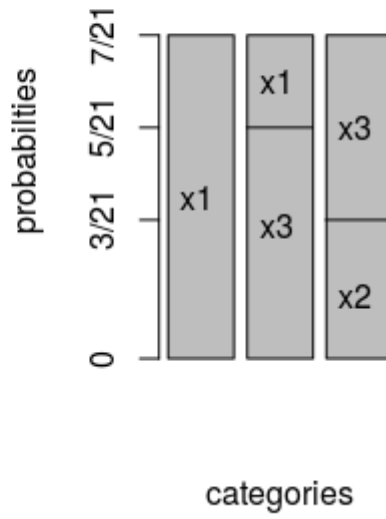
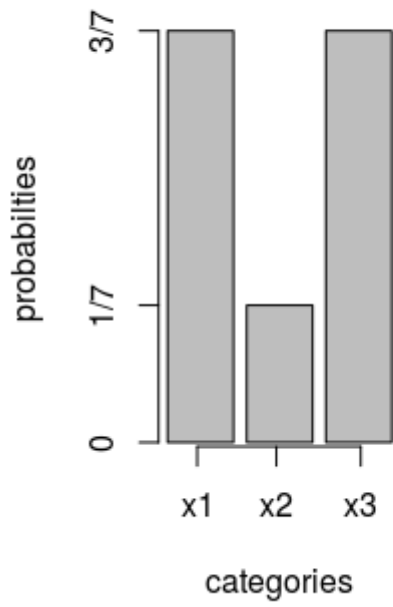
Super-Duper

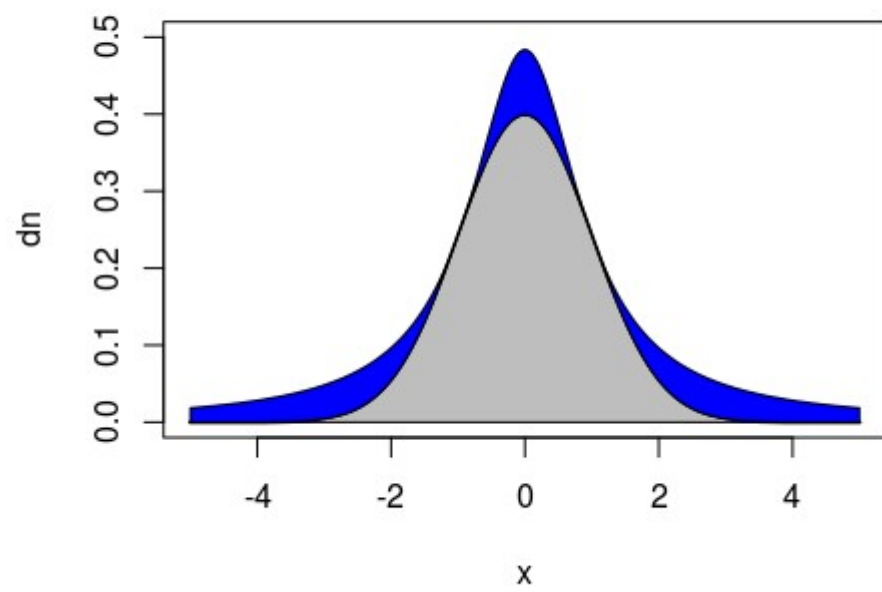
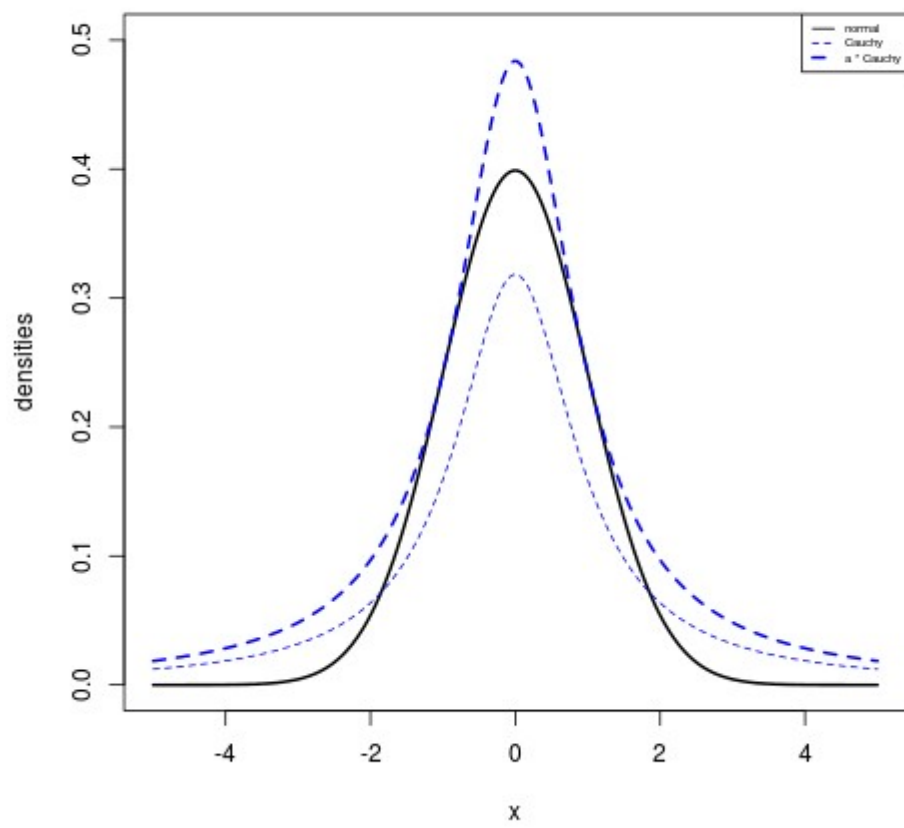


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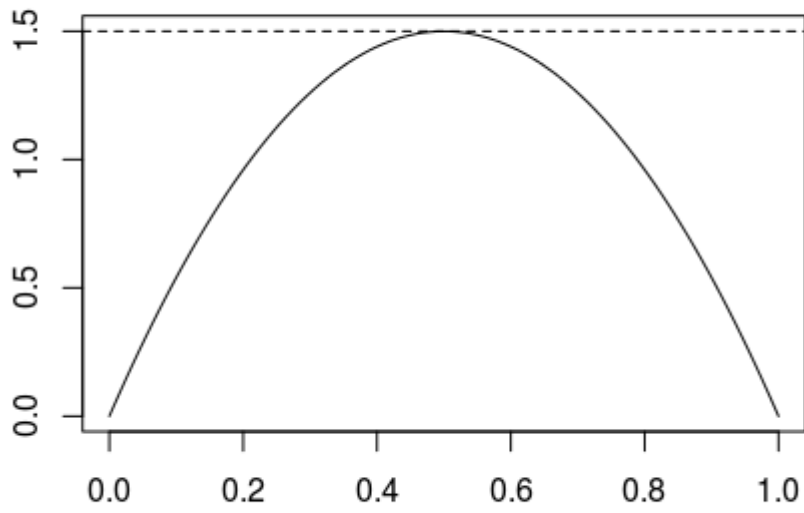
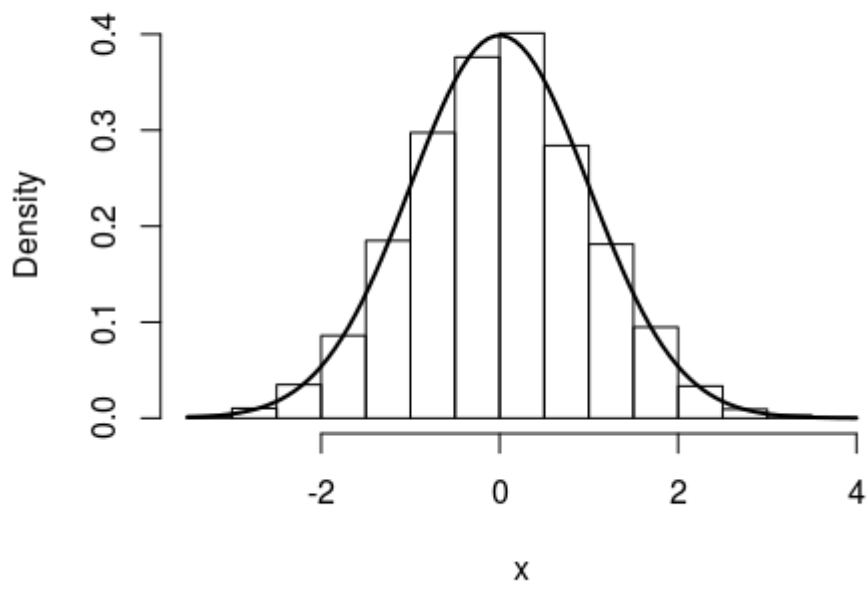


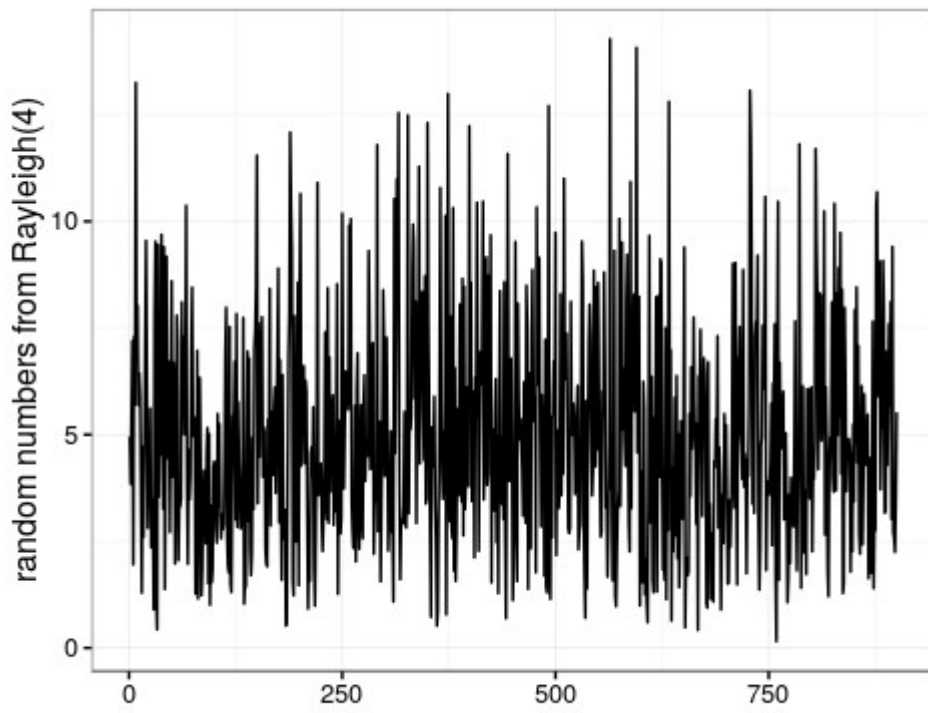
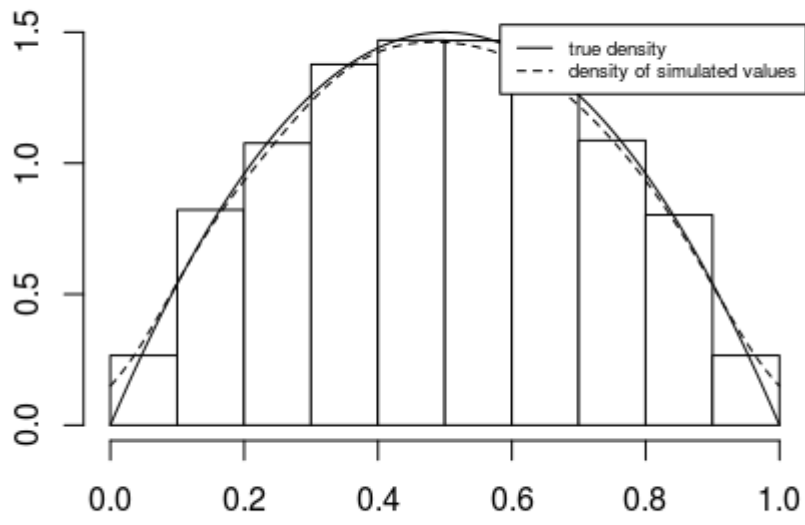


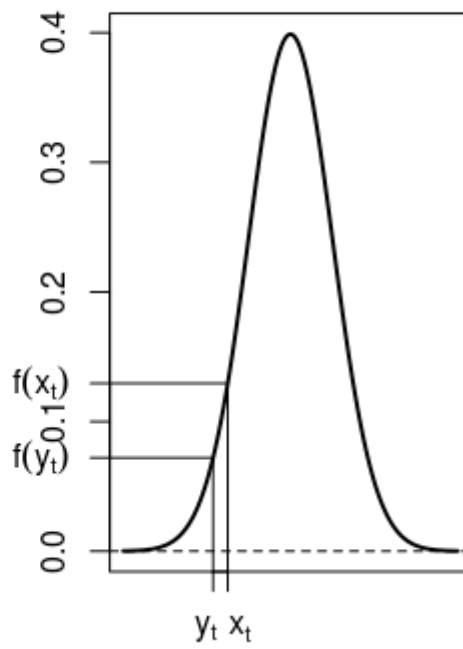
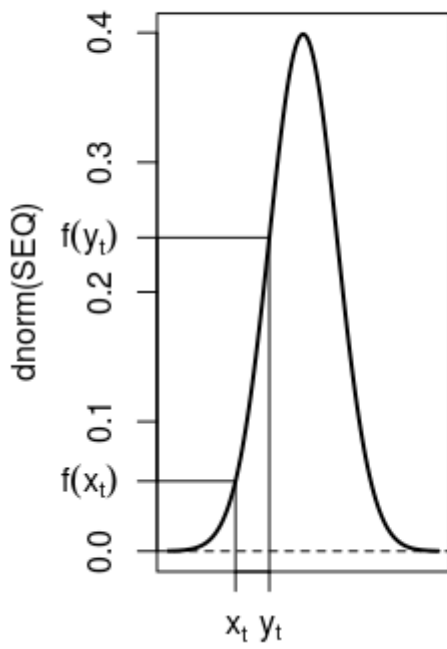
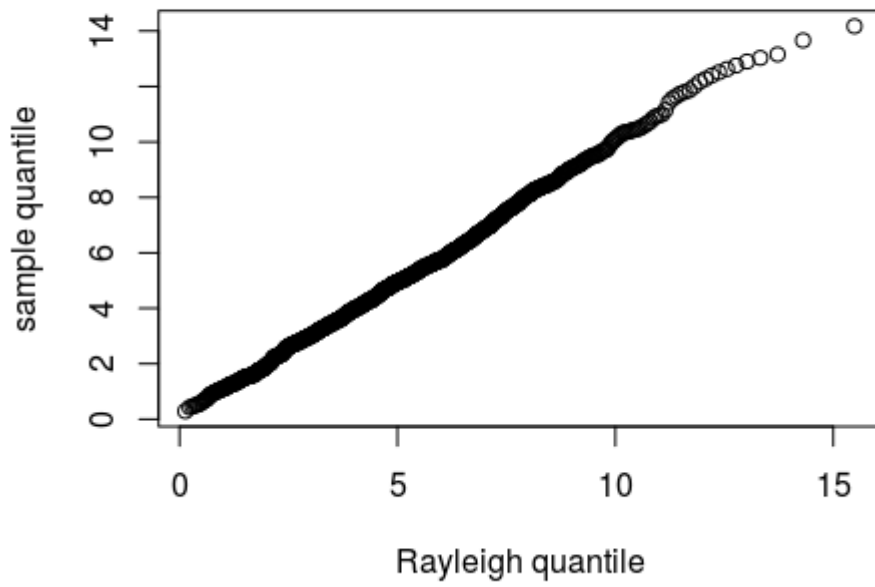


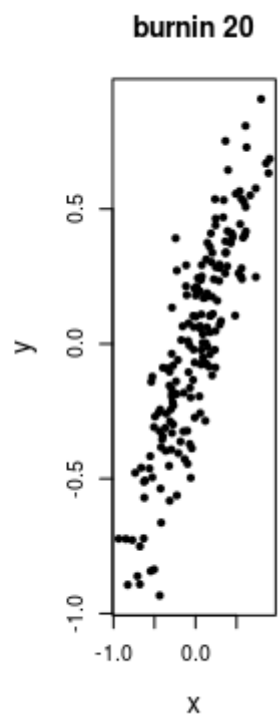
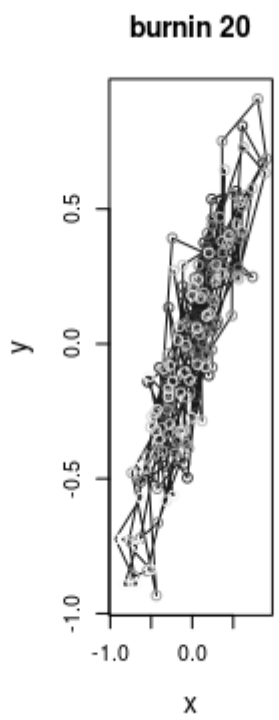
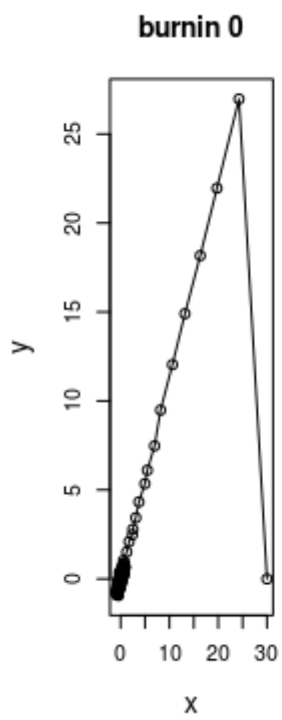
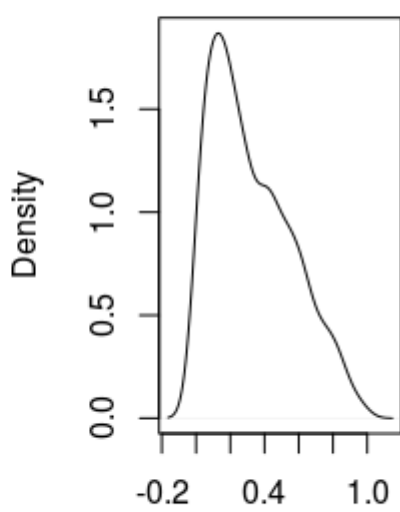
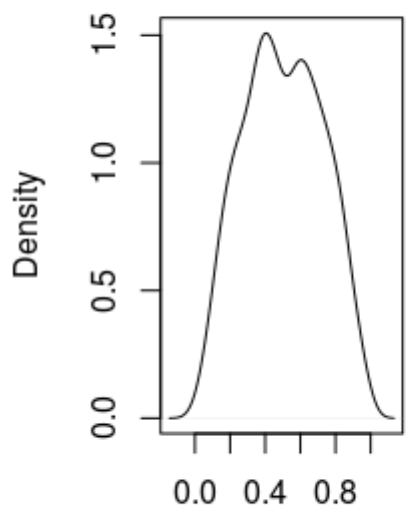


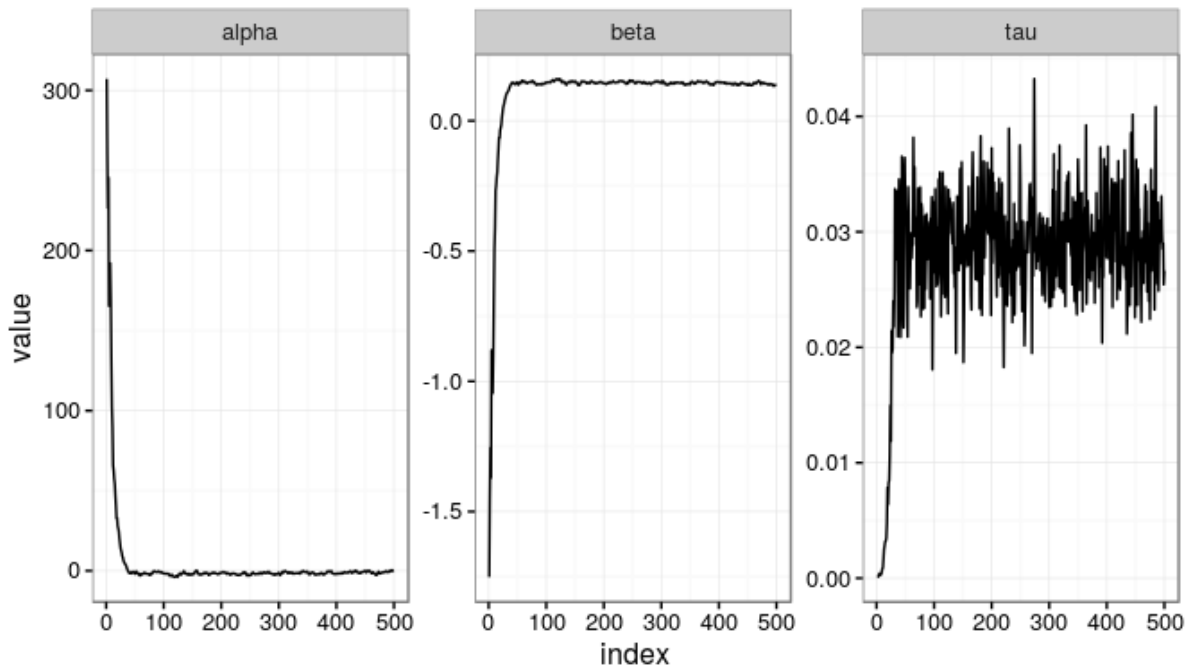
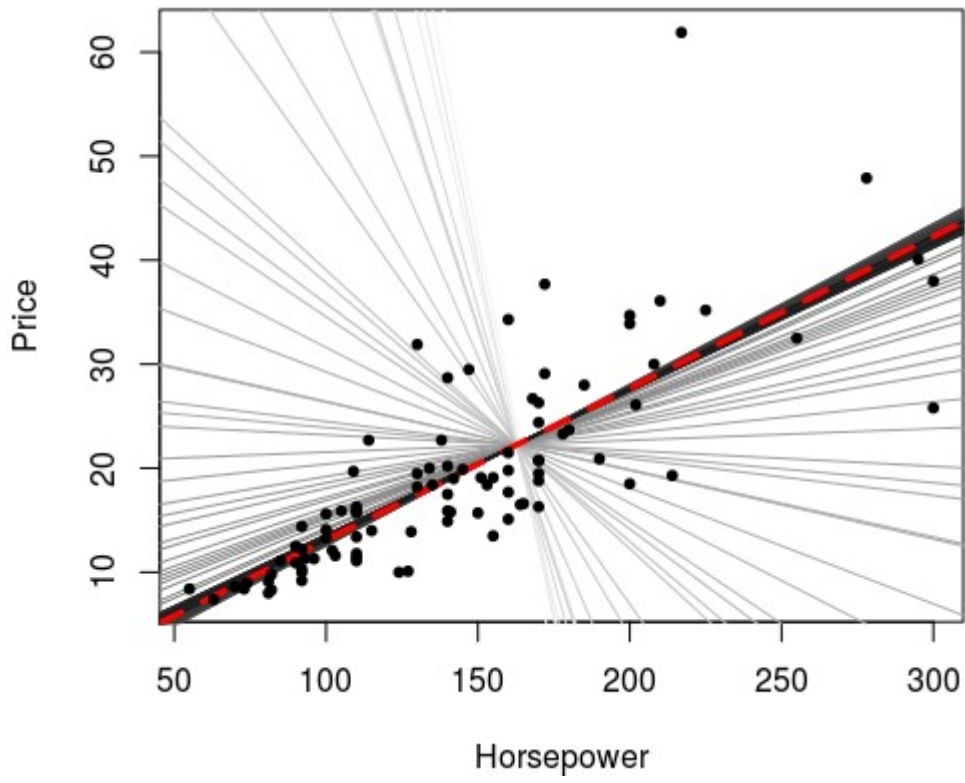
Histogram of x

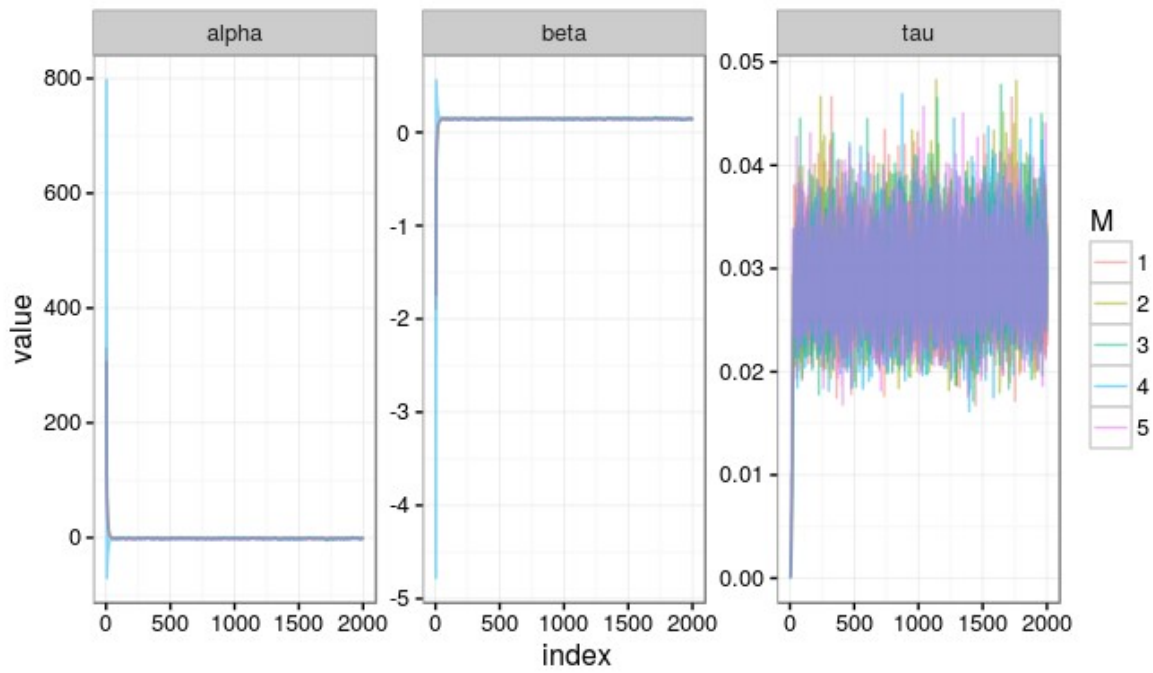
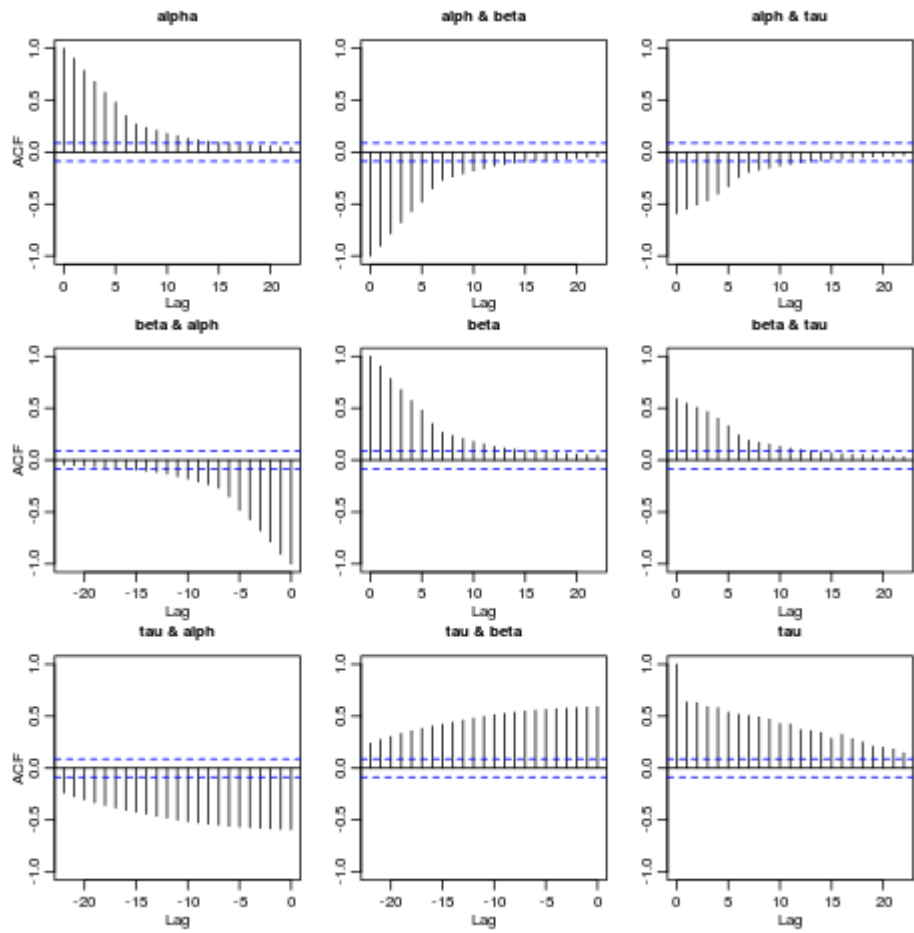


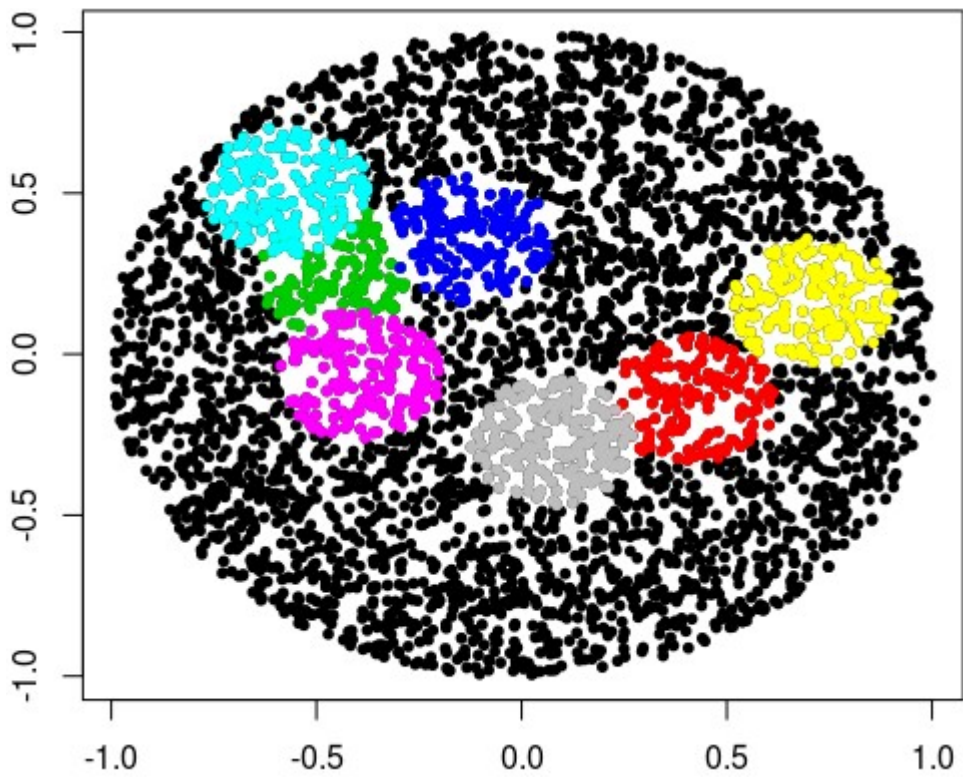
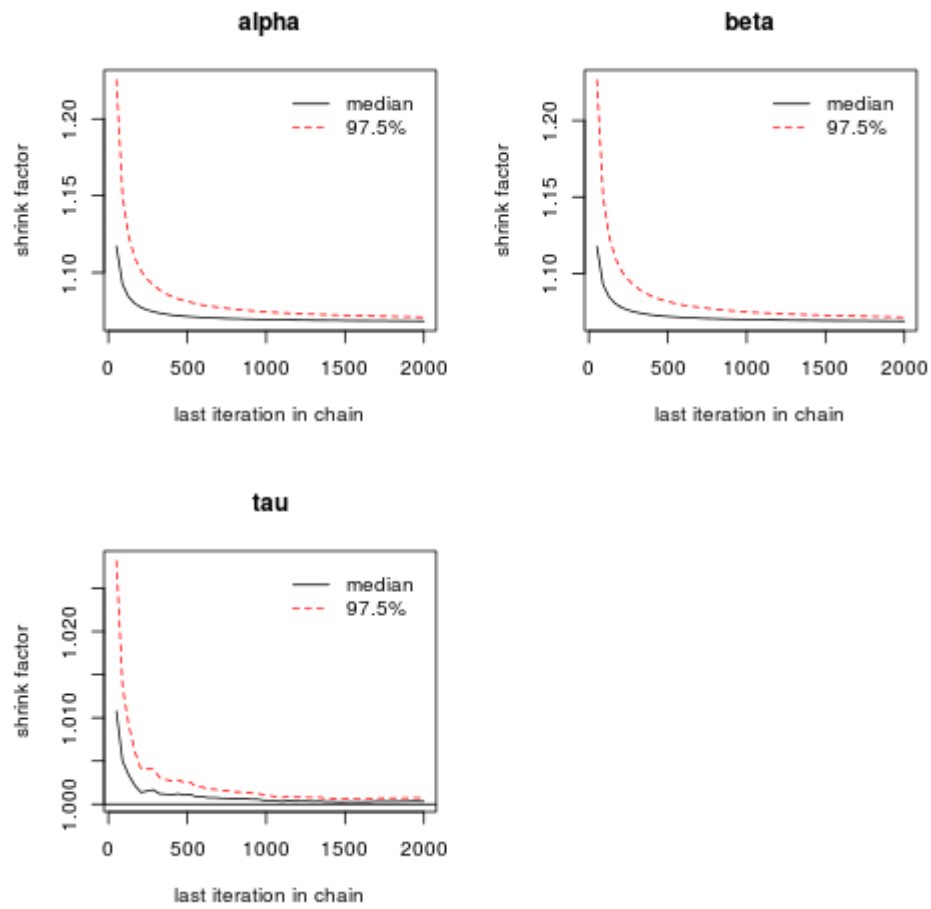


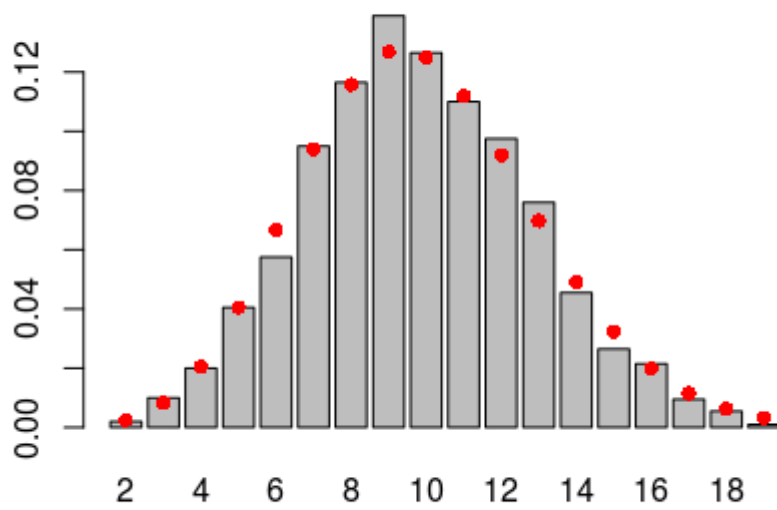




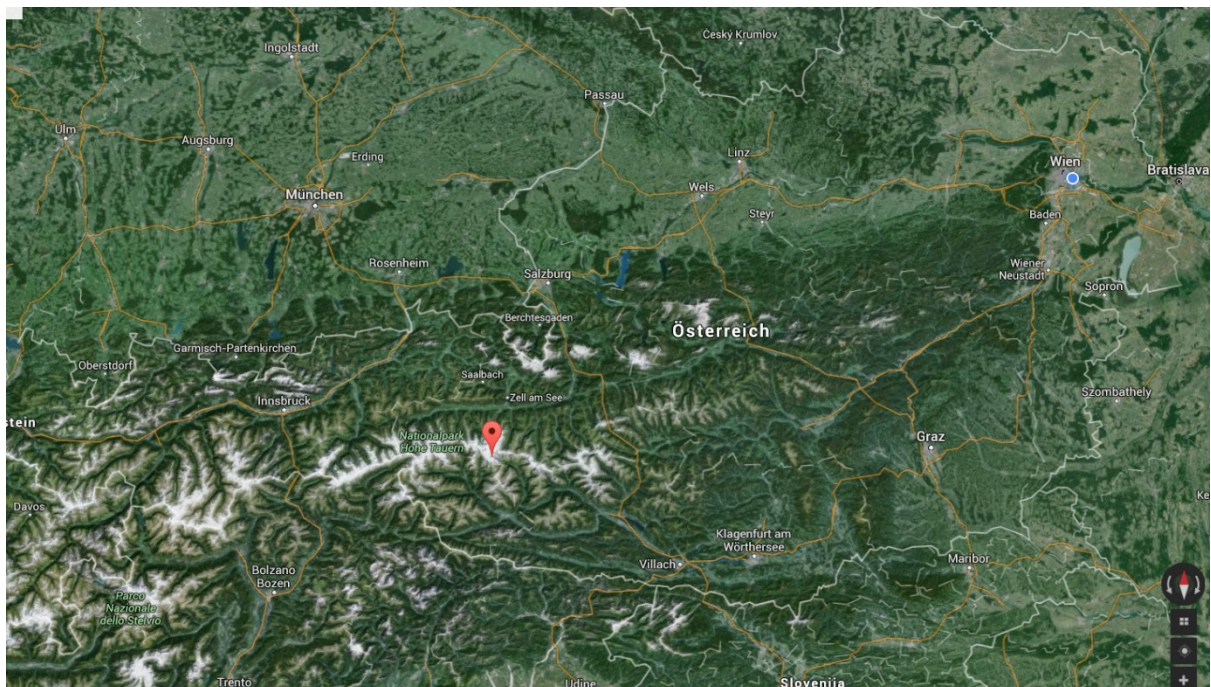


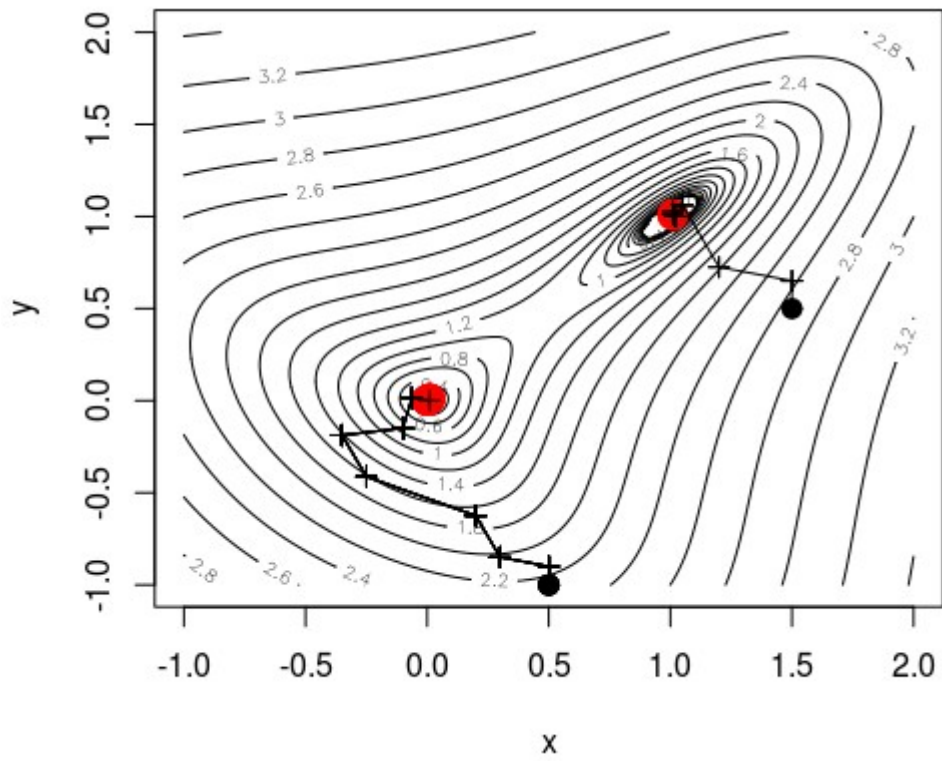
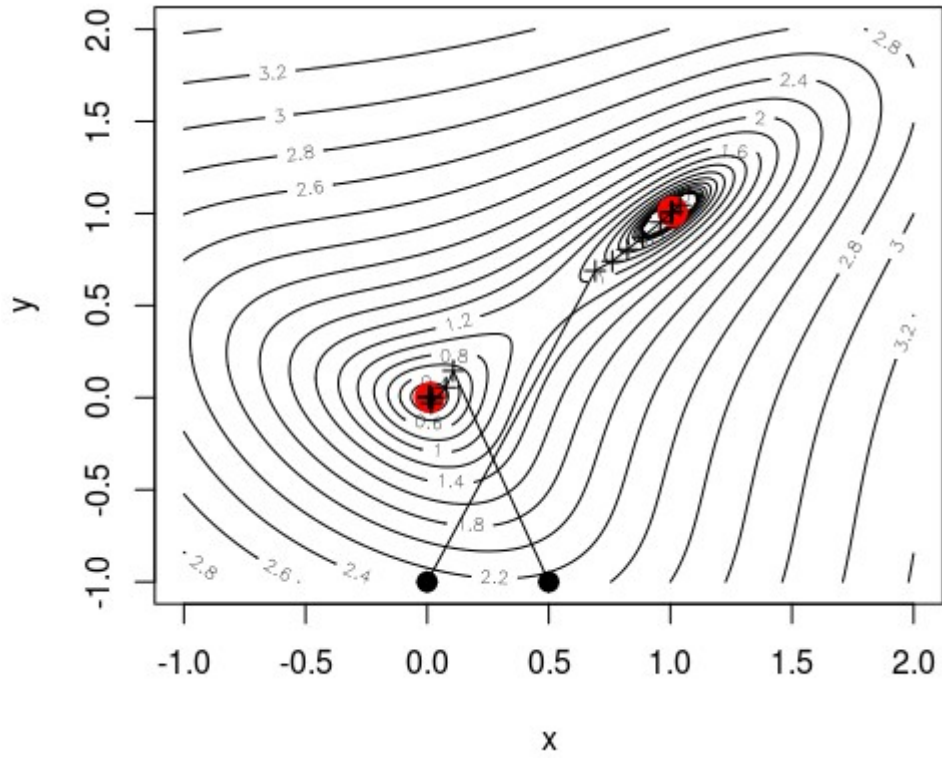


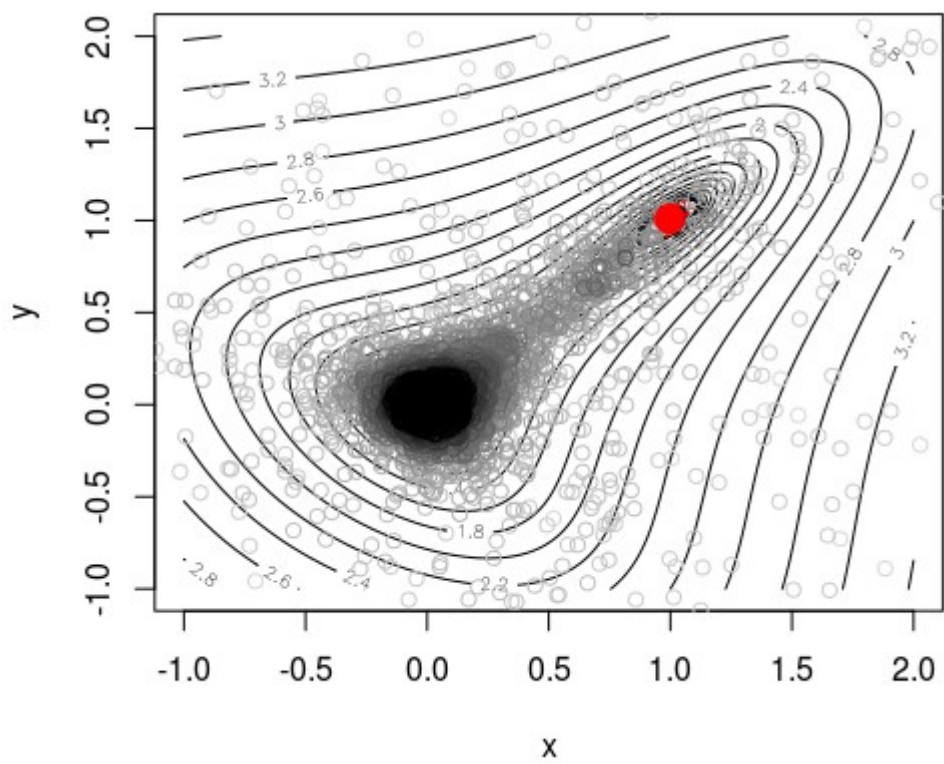
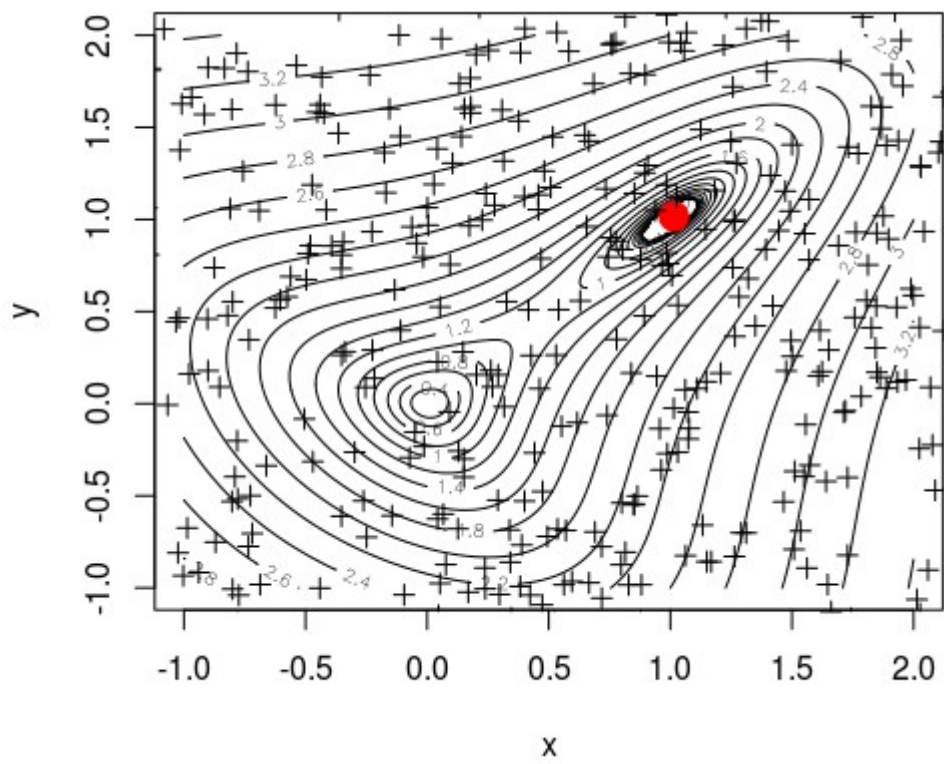


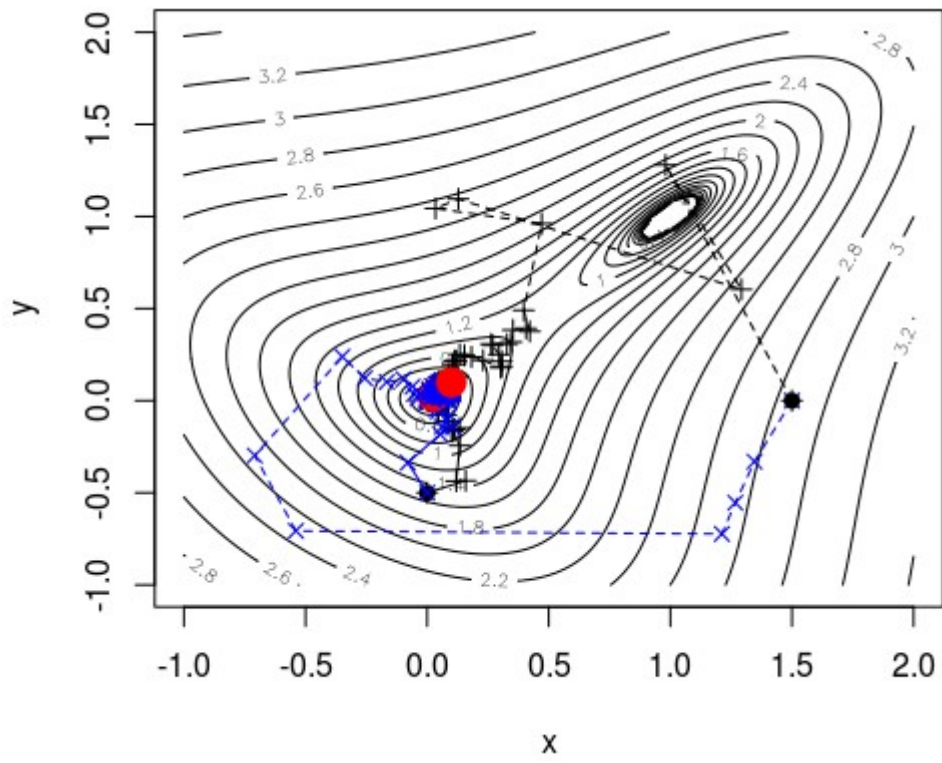
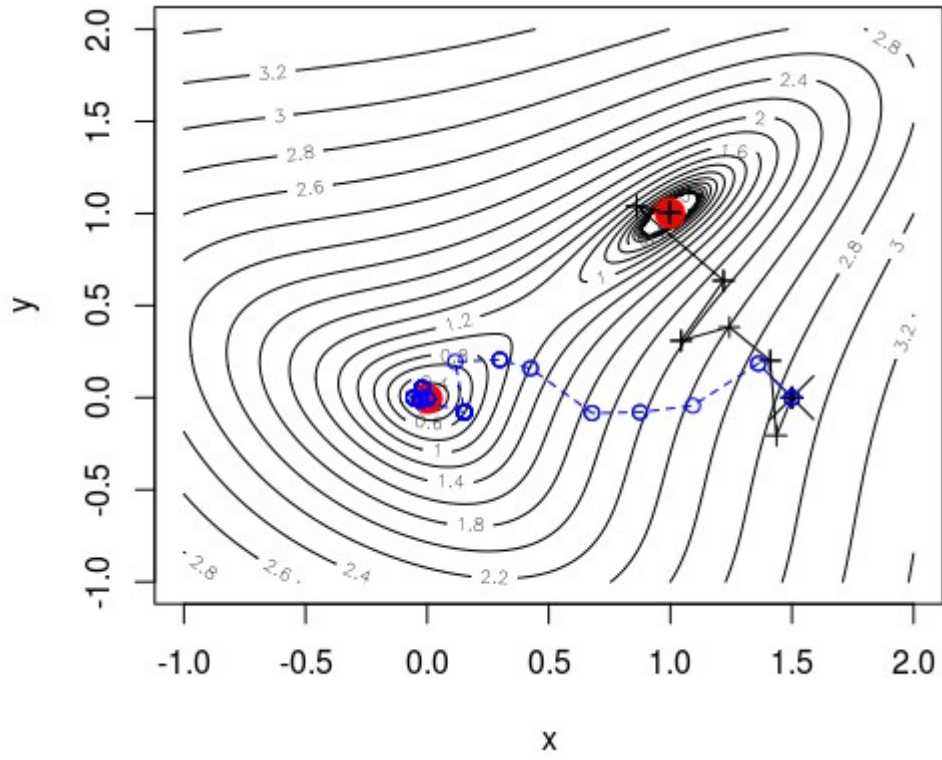


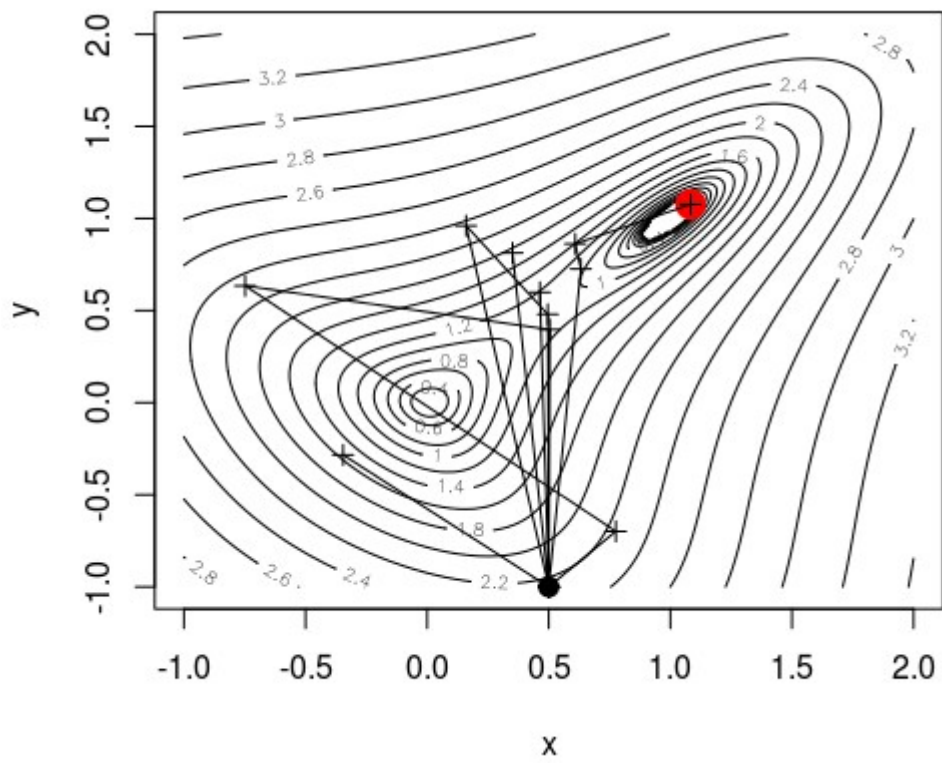
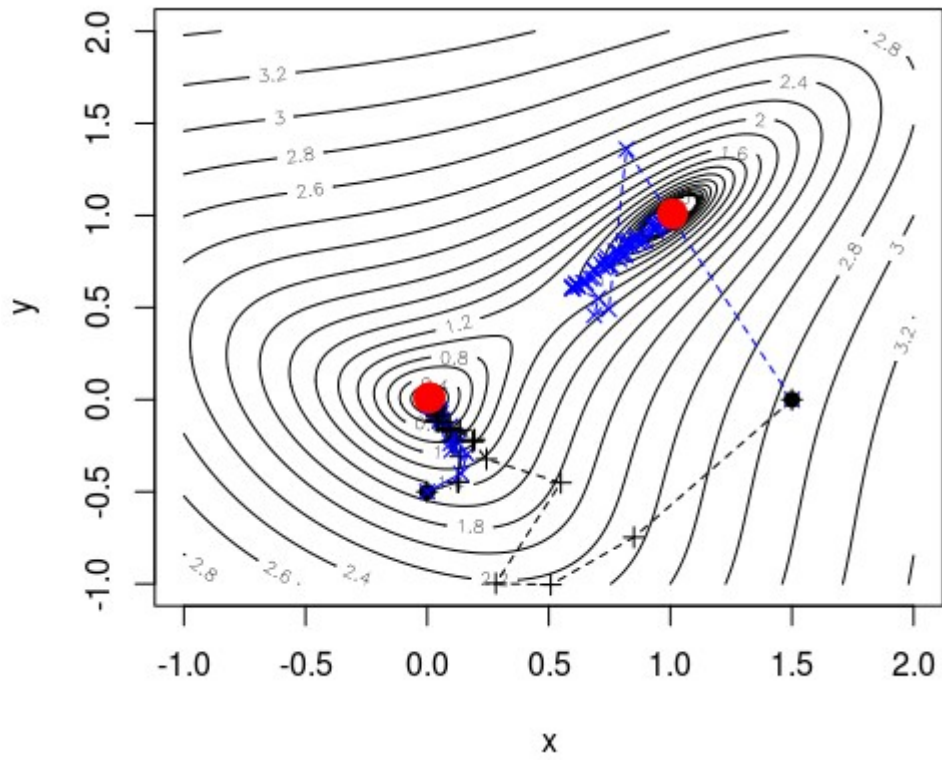
Chapter 5: Monte Carlo Methods for Optimization Problems



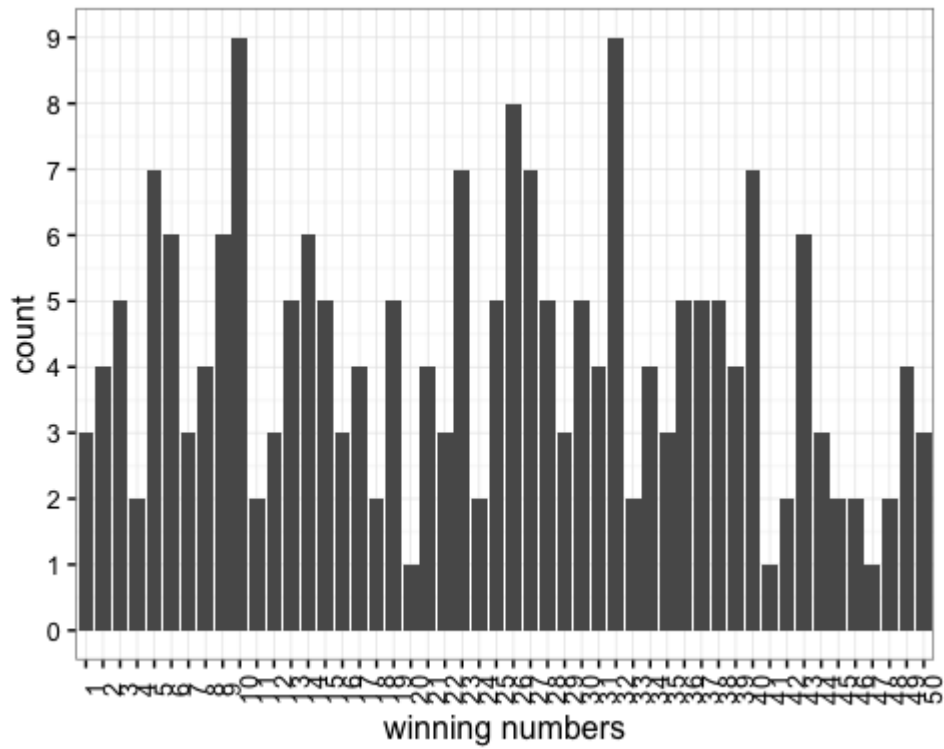


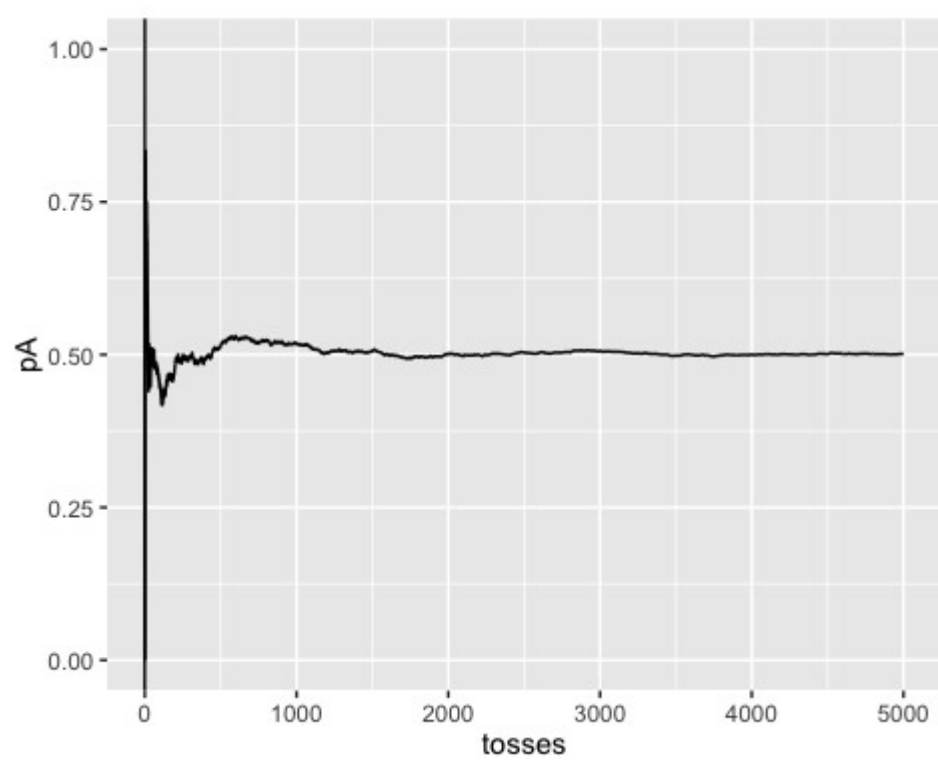
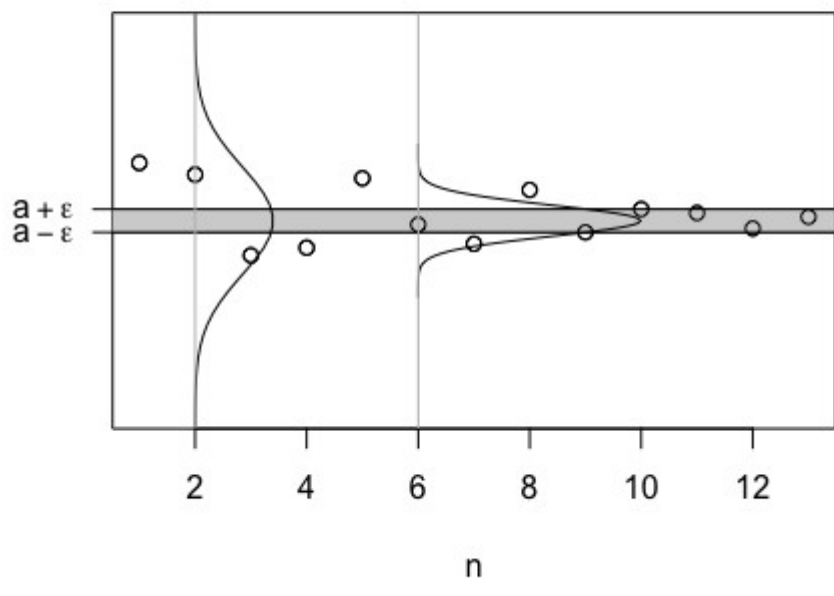


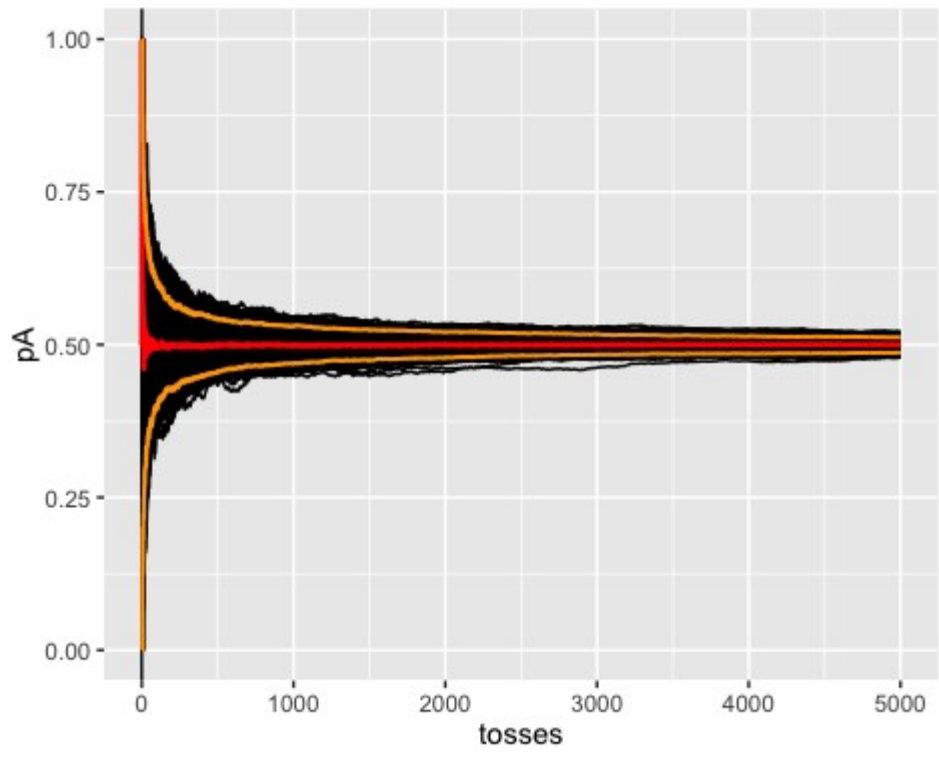


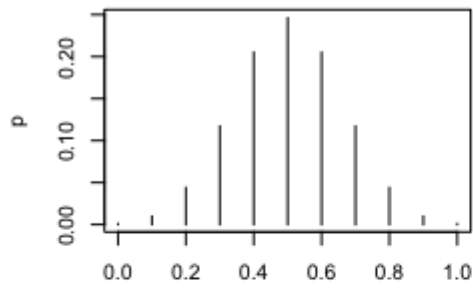


Chapter 6: Probability Theory Shown by Simulation

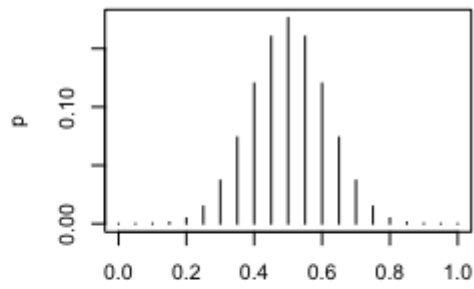




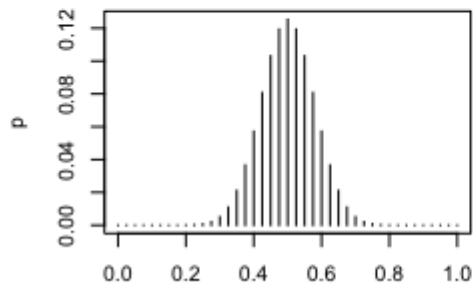




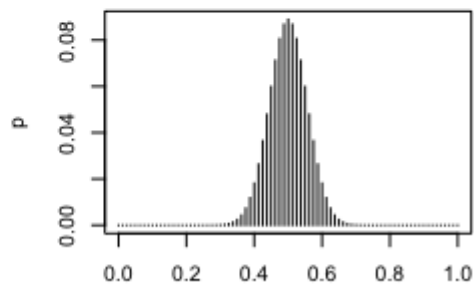
relative frequencies ($n = 10$)



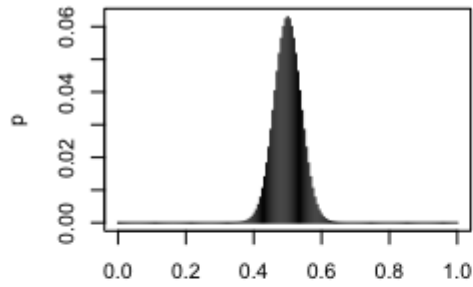
relative frequencies ($n = 20$)



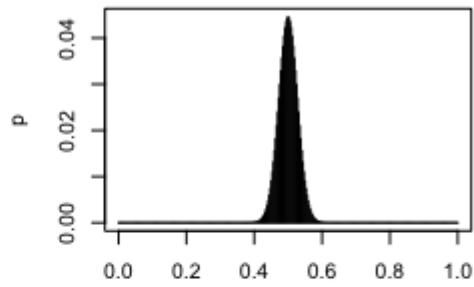
relative frequencies ($n = 40$)



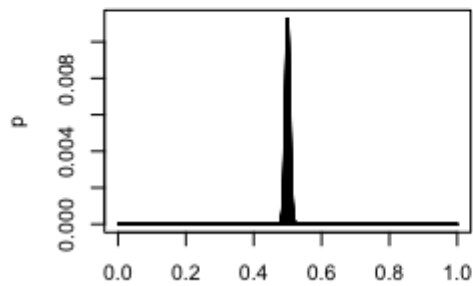
relative frequencies ($n = 80$)



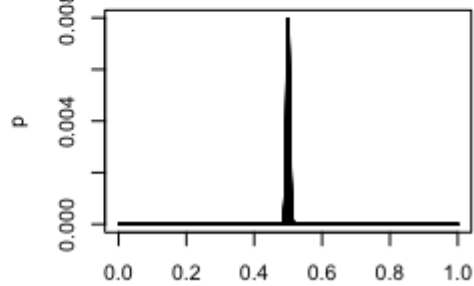
relative frequencies ($n = 160$)



relative frequencies ($n = 320$)

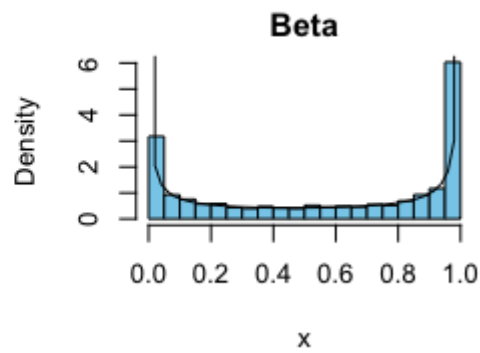
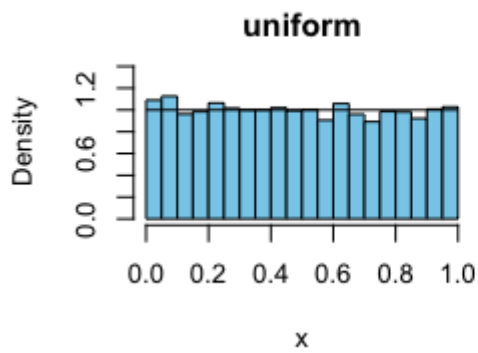
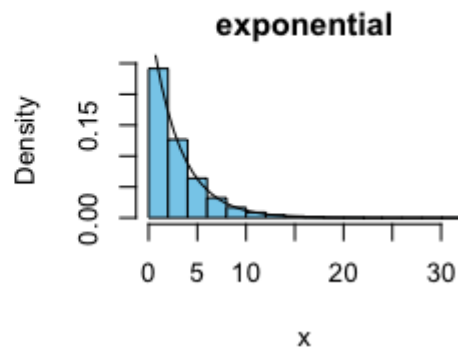
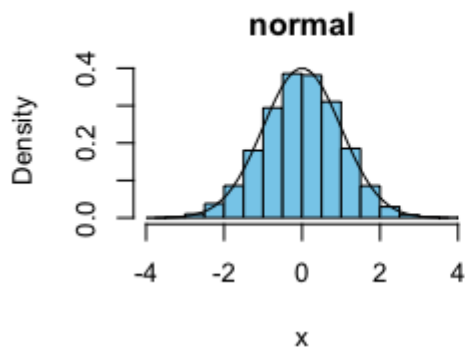


relative frequencies ($n = 5000$)

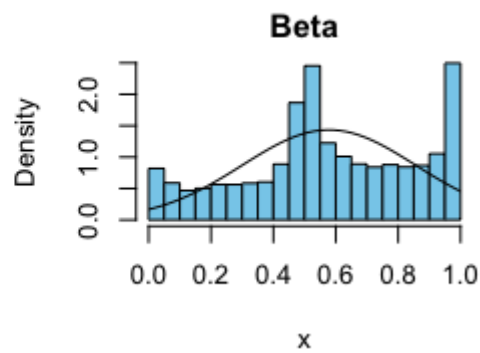
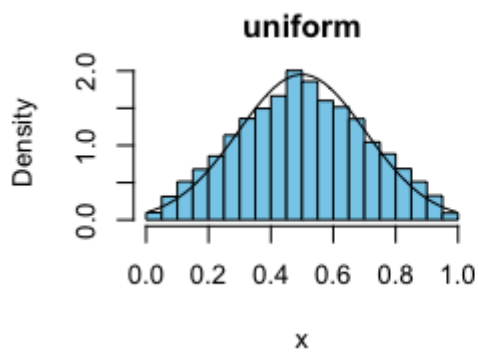
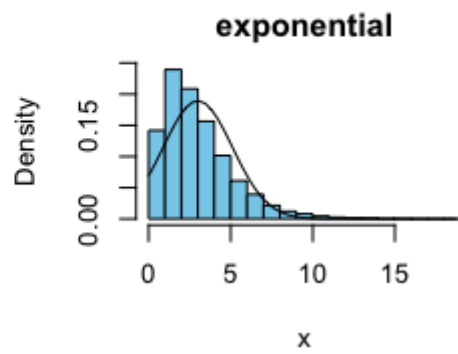
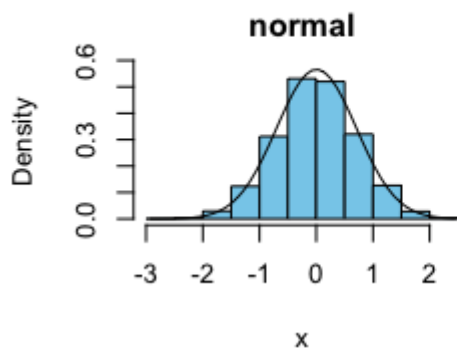


relative frequencies ($n = 10000$)

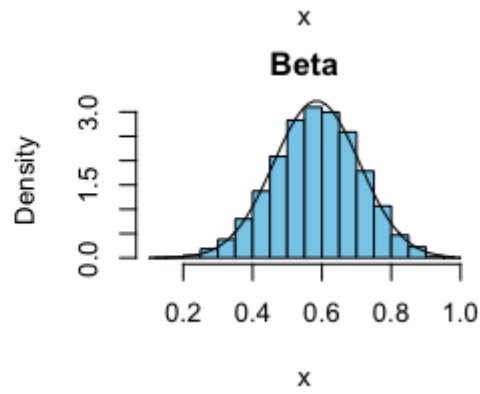
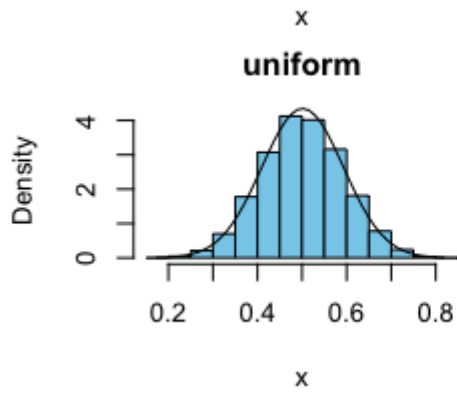
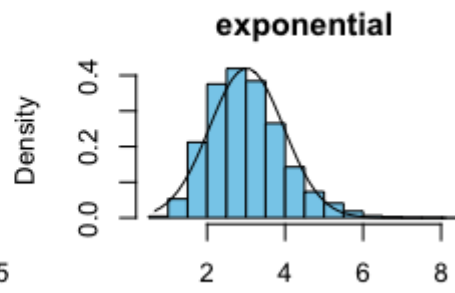
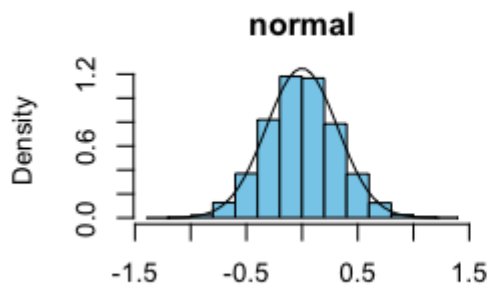
Populations



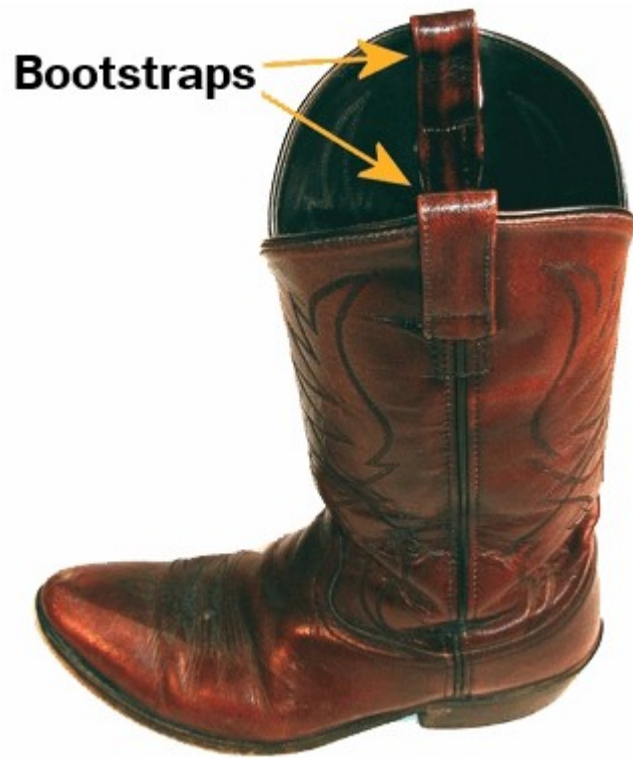
sample size = 2

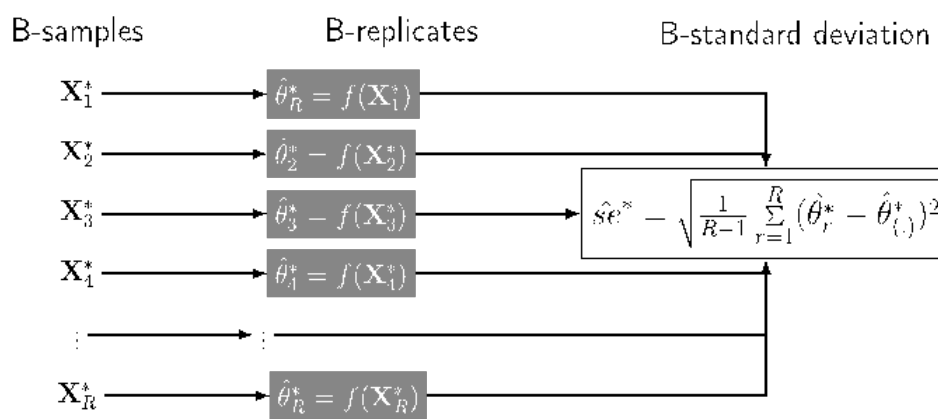
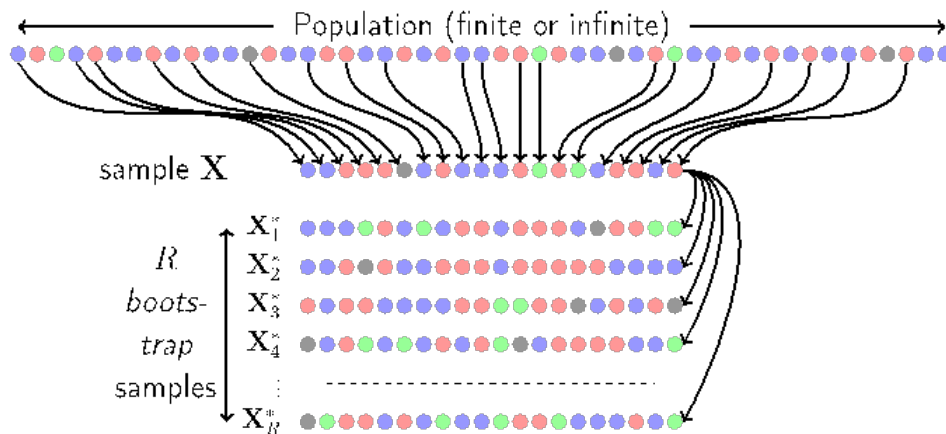


sample size = 10

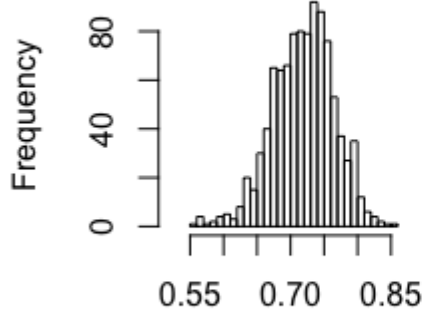


Chapter 7: Resampling Methods



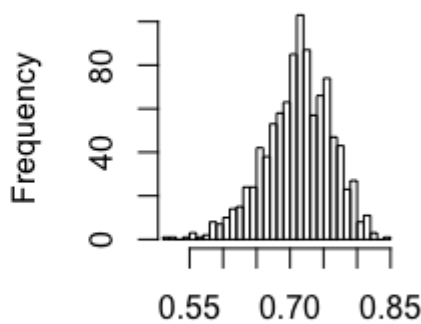


non-parametric



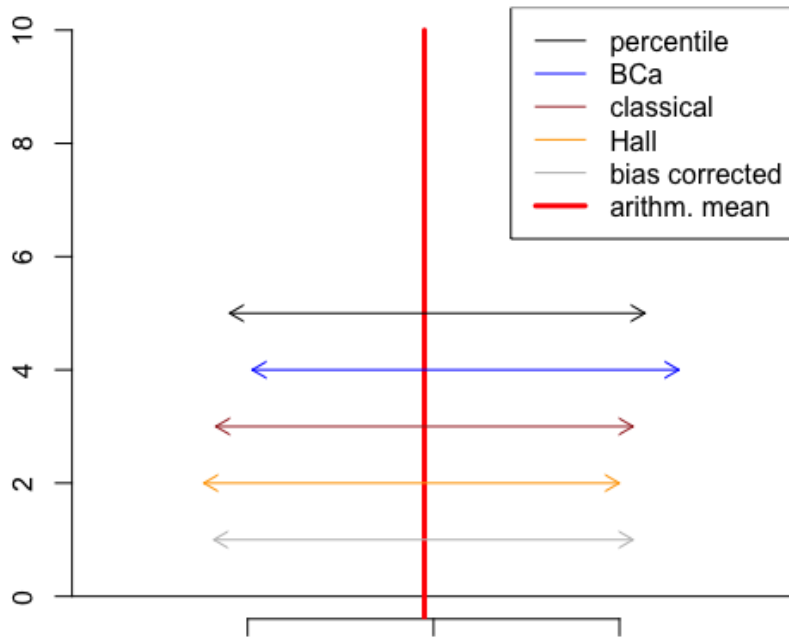
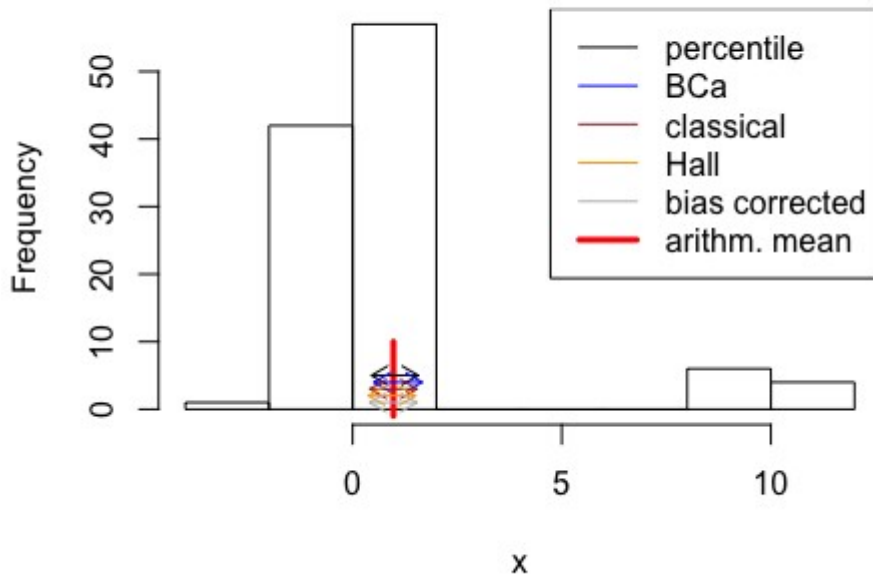
1000 bootstrap replicates

parametric

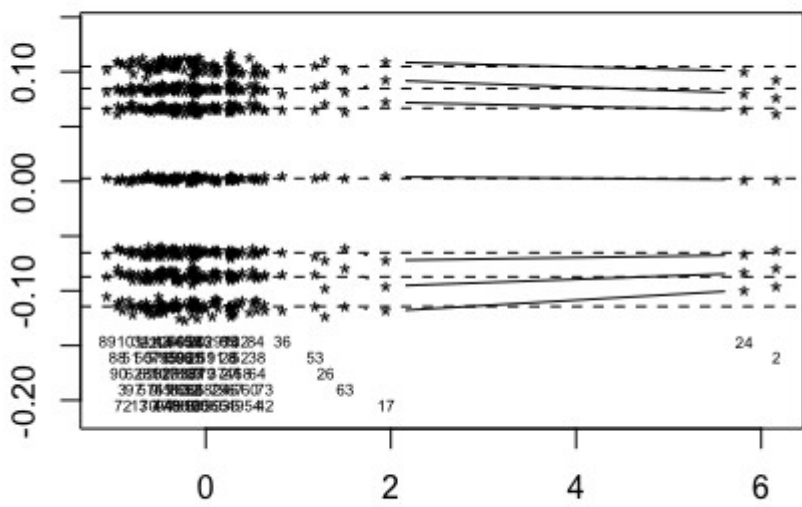


1000 bootstrap replicates

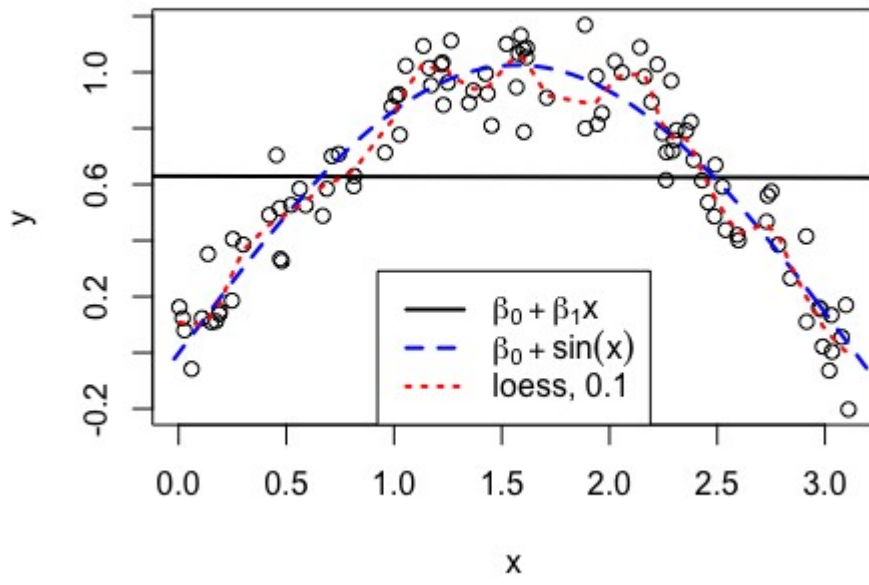
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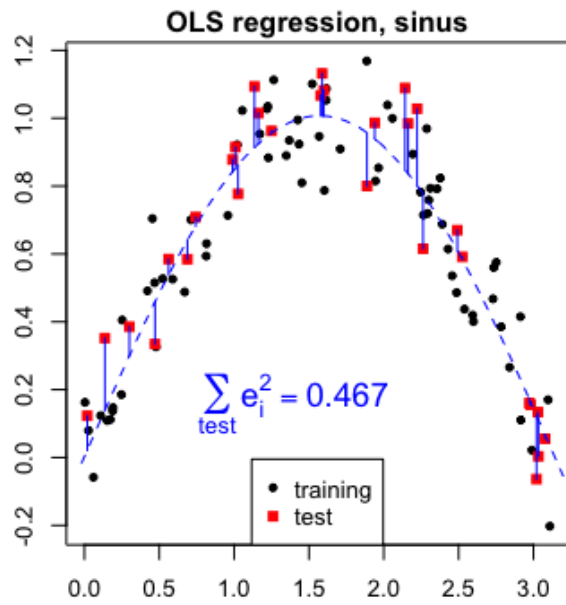
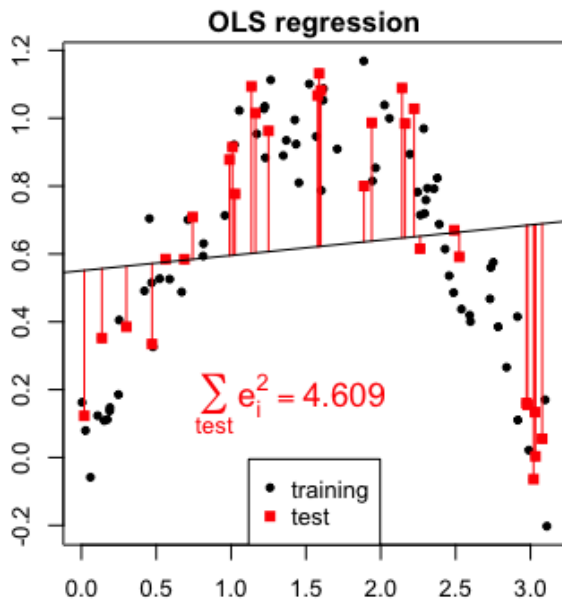
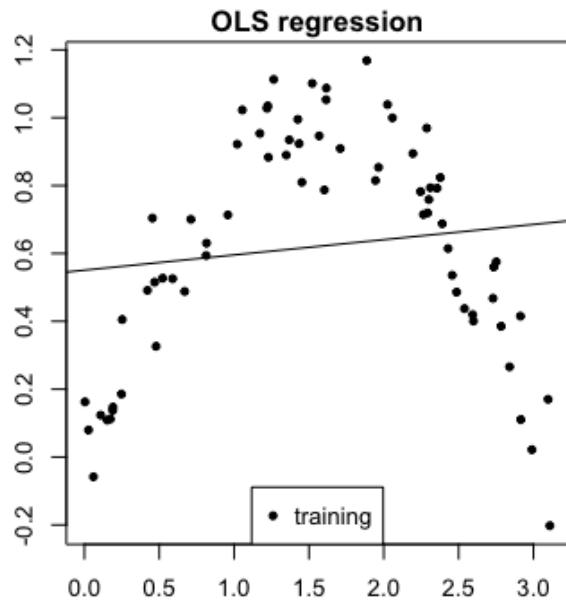
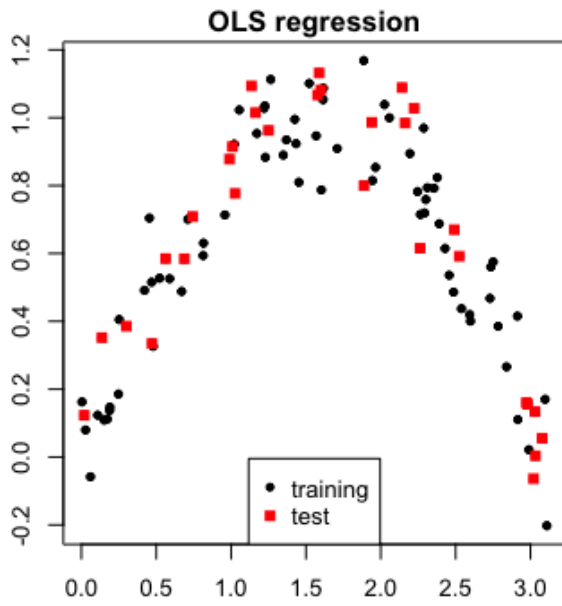


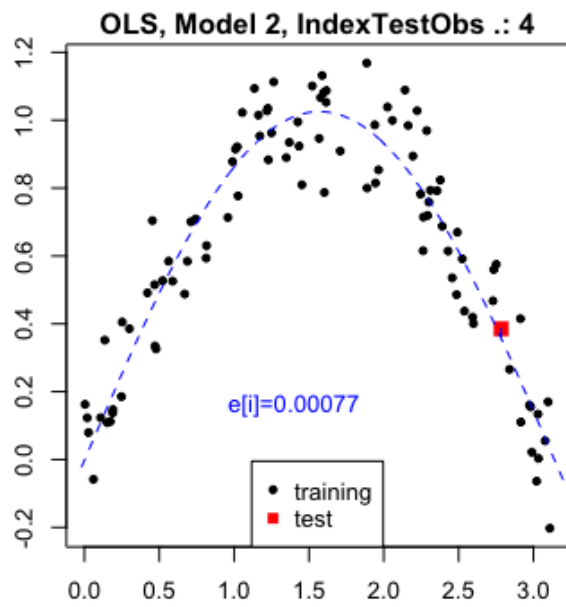
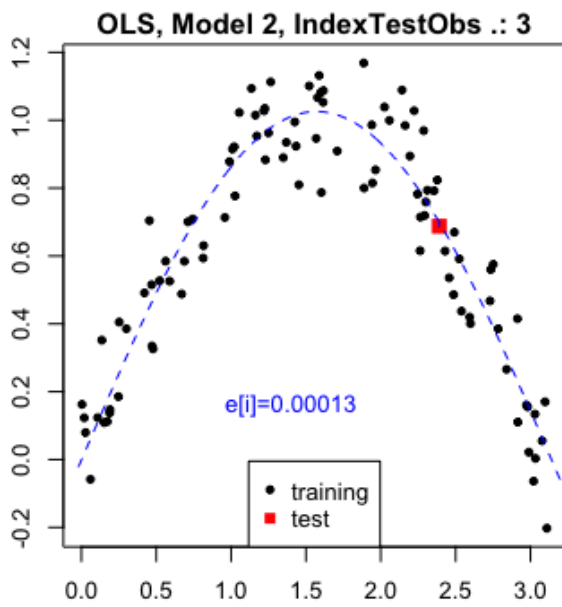
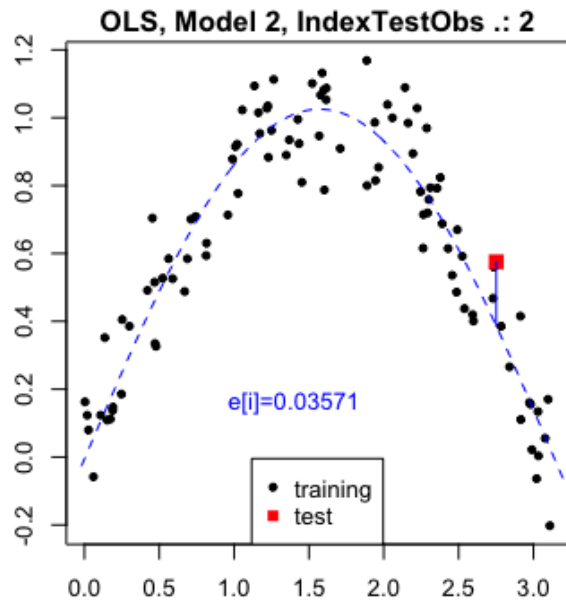
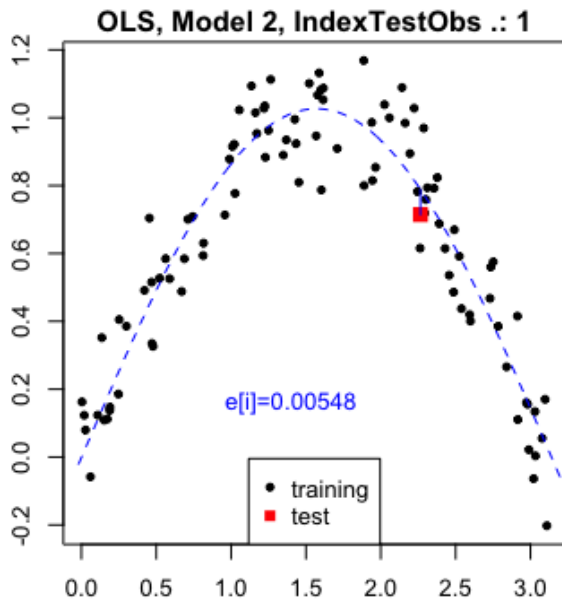
5, 10, 16, 50, 84, 90, 95 %-iles of (T*-t)



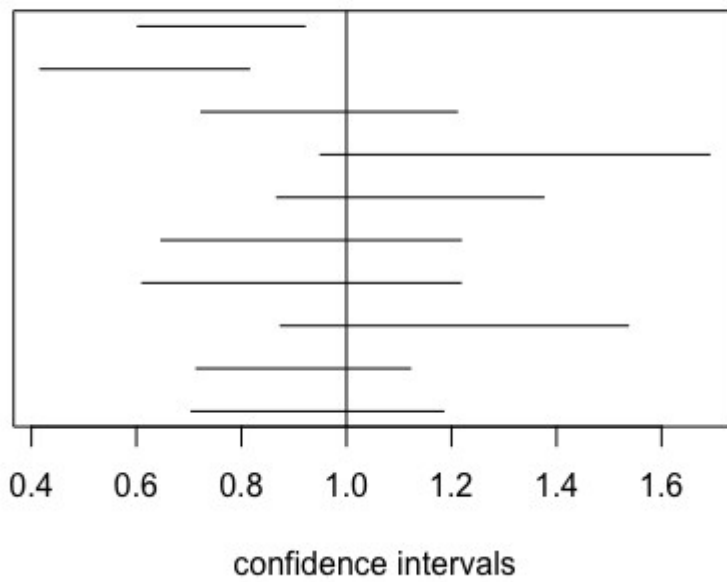
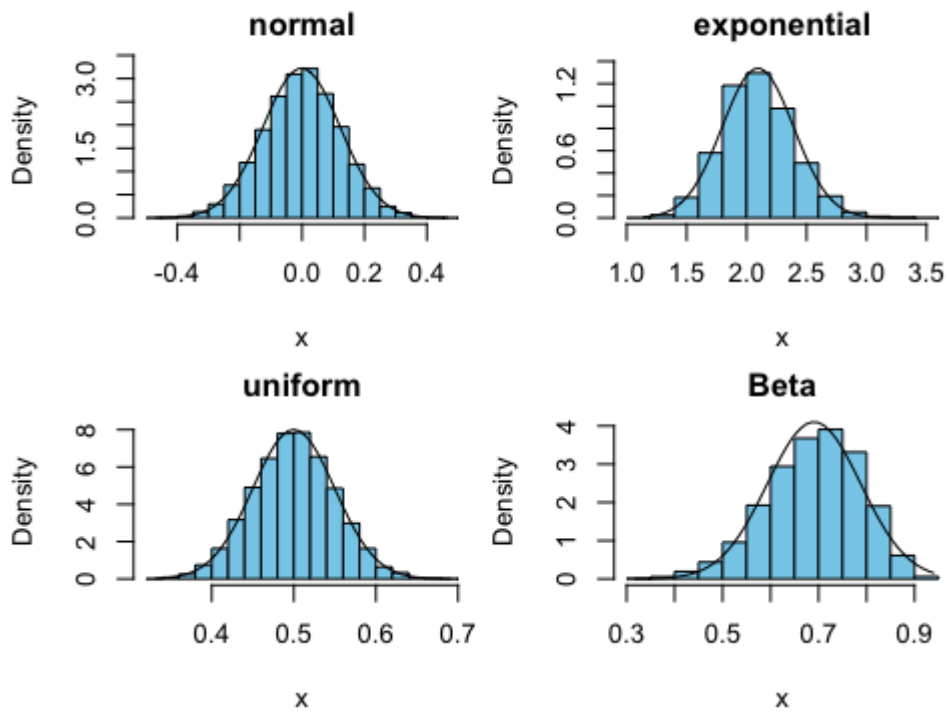
standardized jackknife value

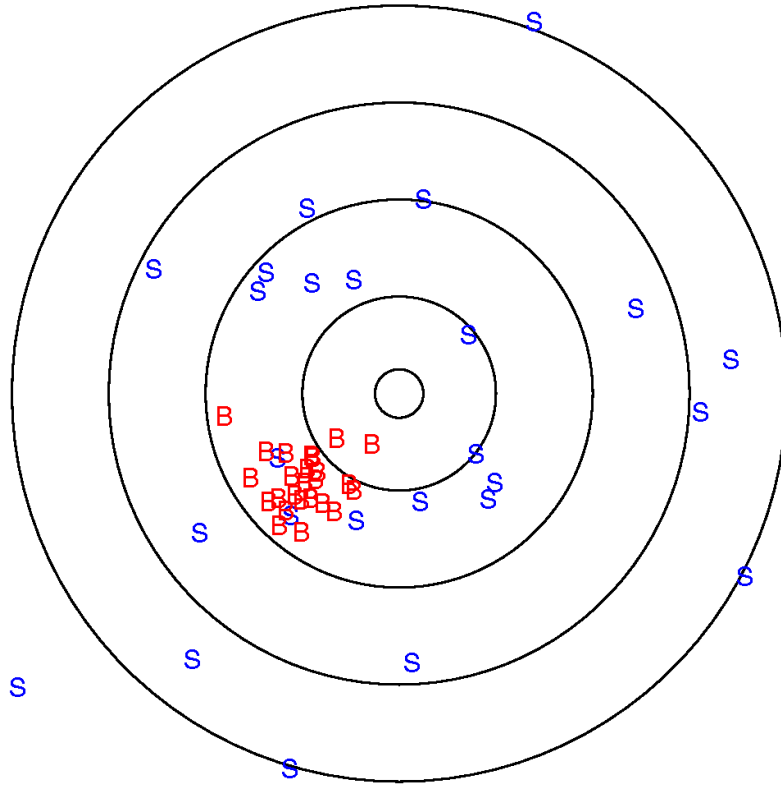




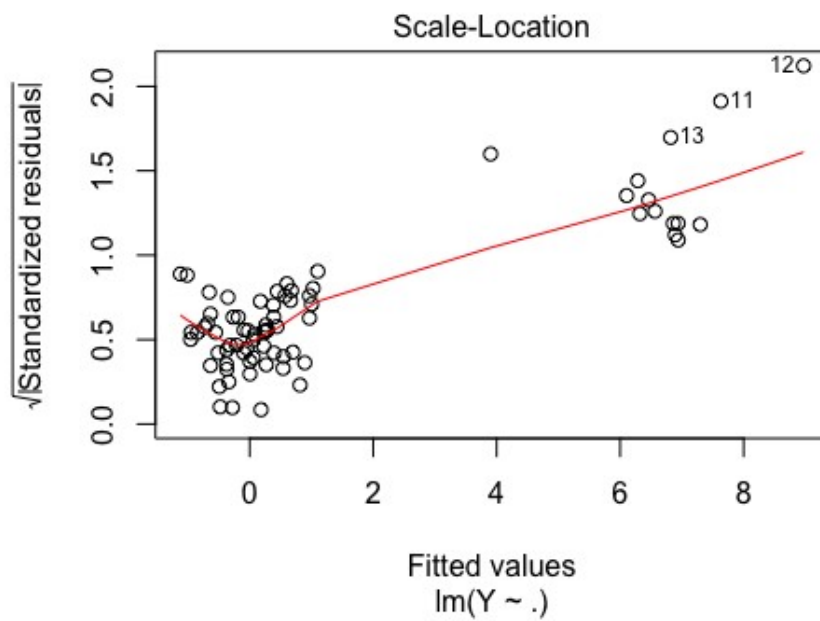


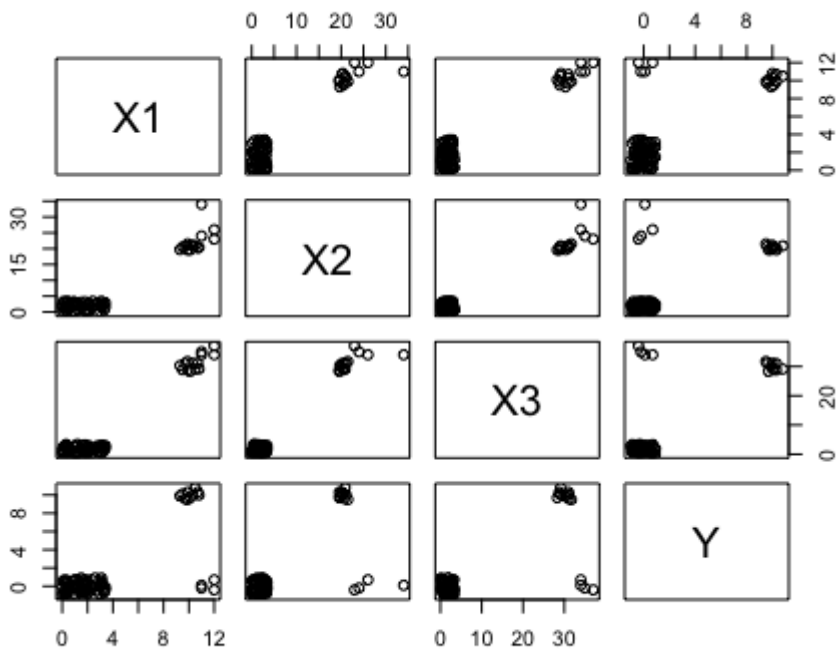
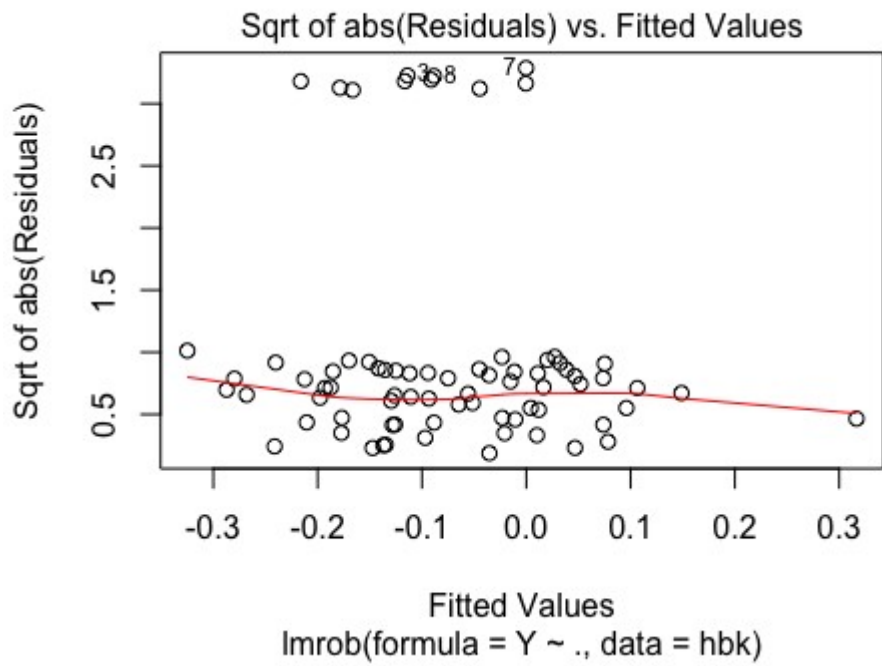
sample size = 100

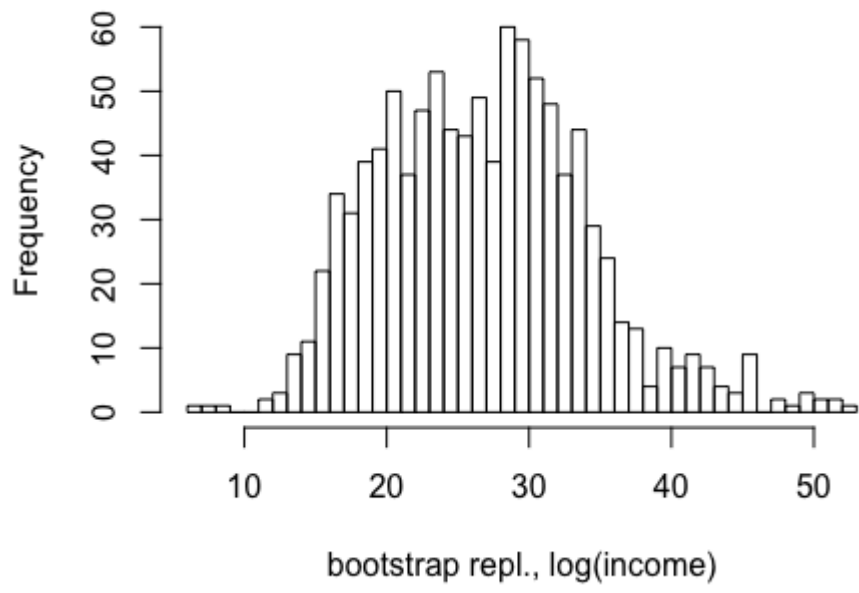


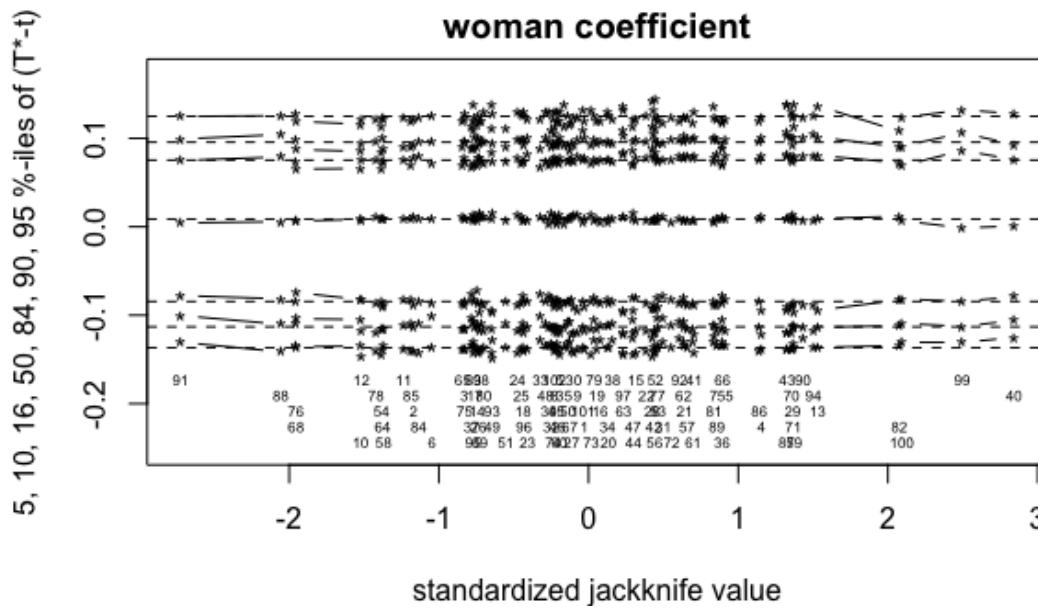
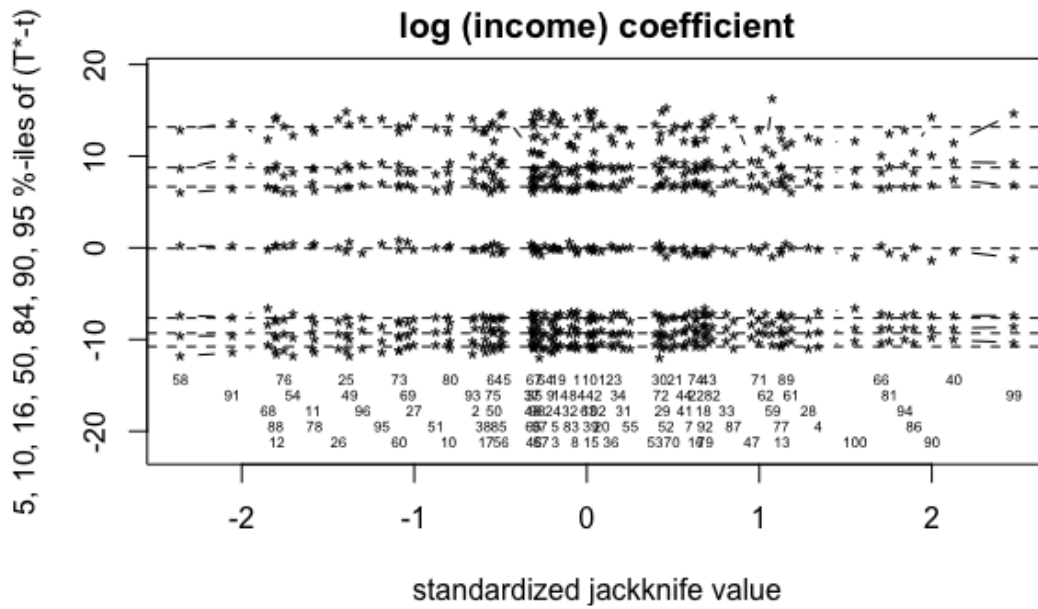
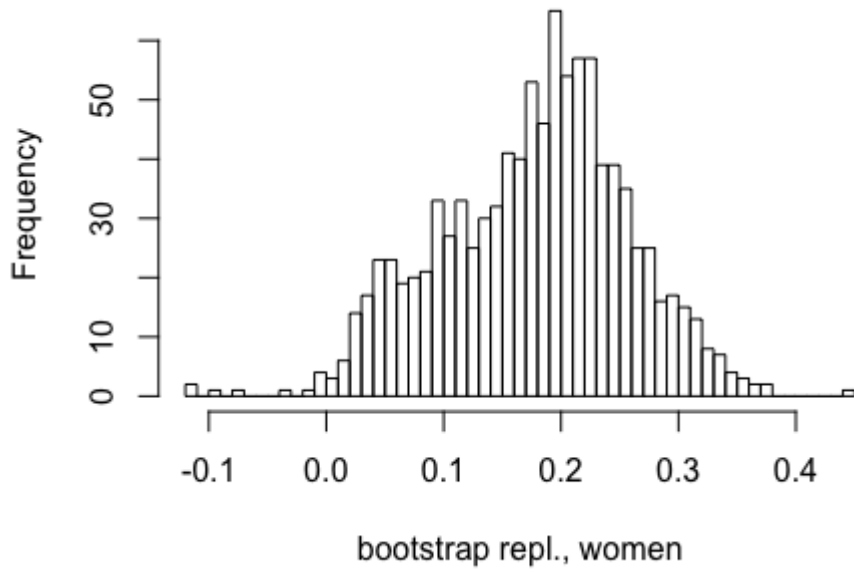


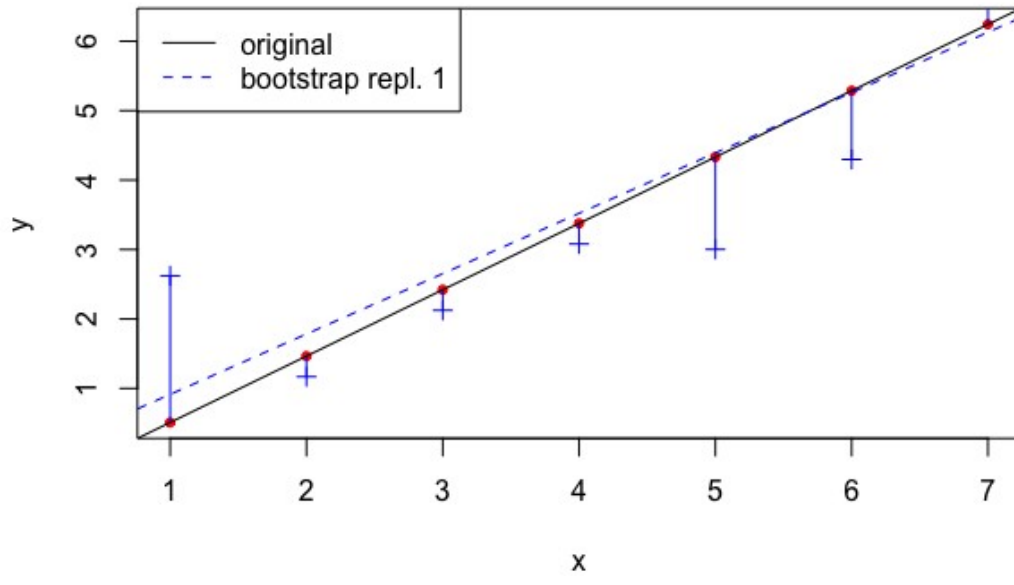
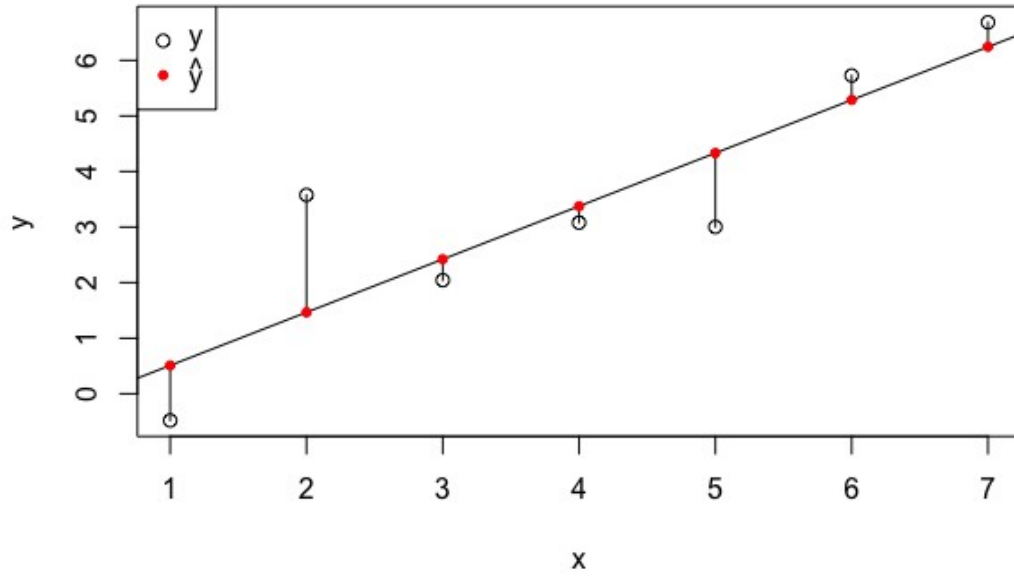
Chapter 8: Applications of Resampling Methods and Monte Carlo Tests

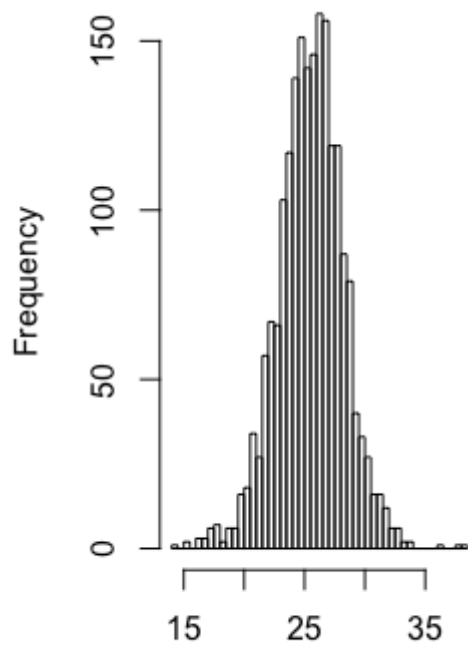




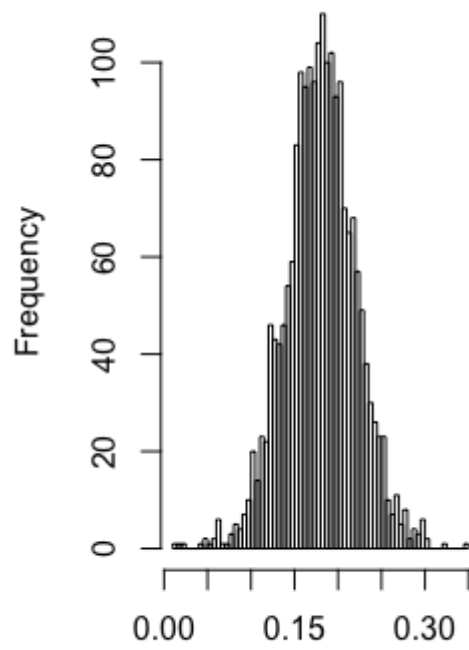






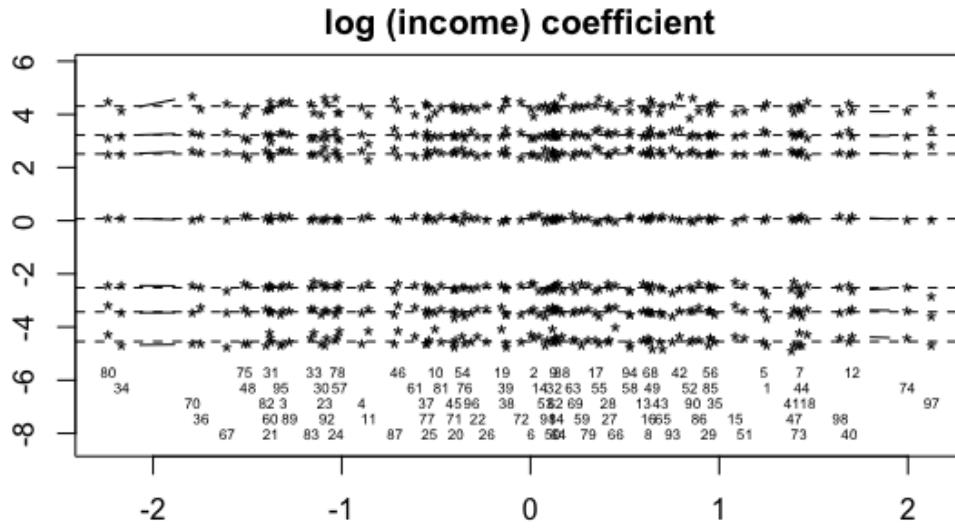


bootstrap repl., log(income)

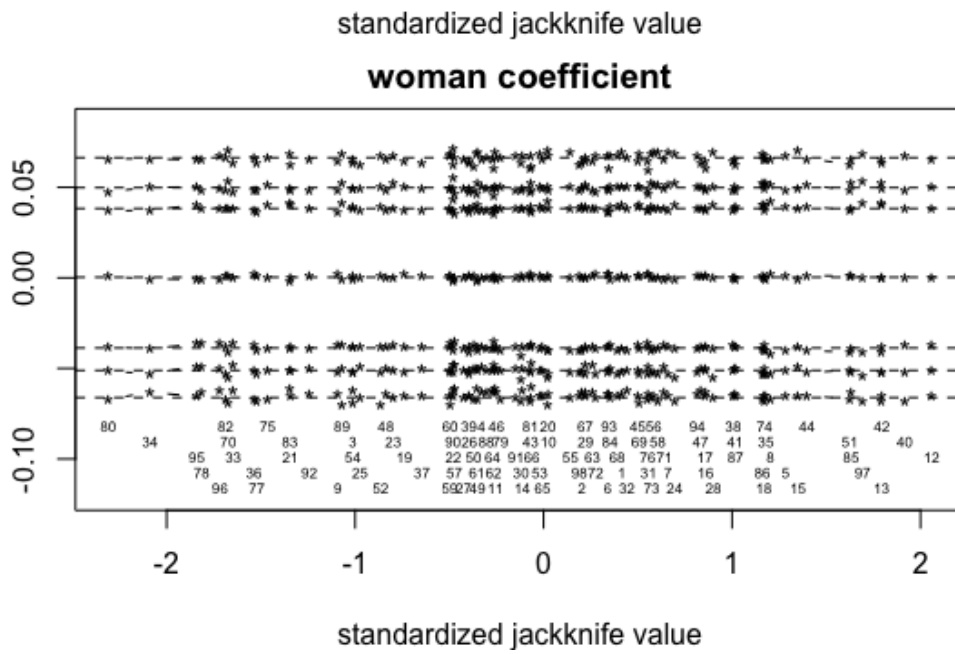


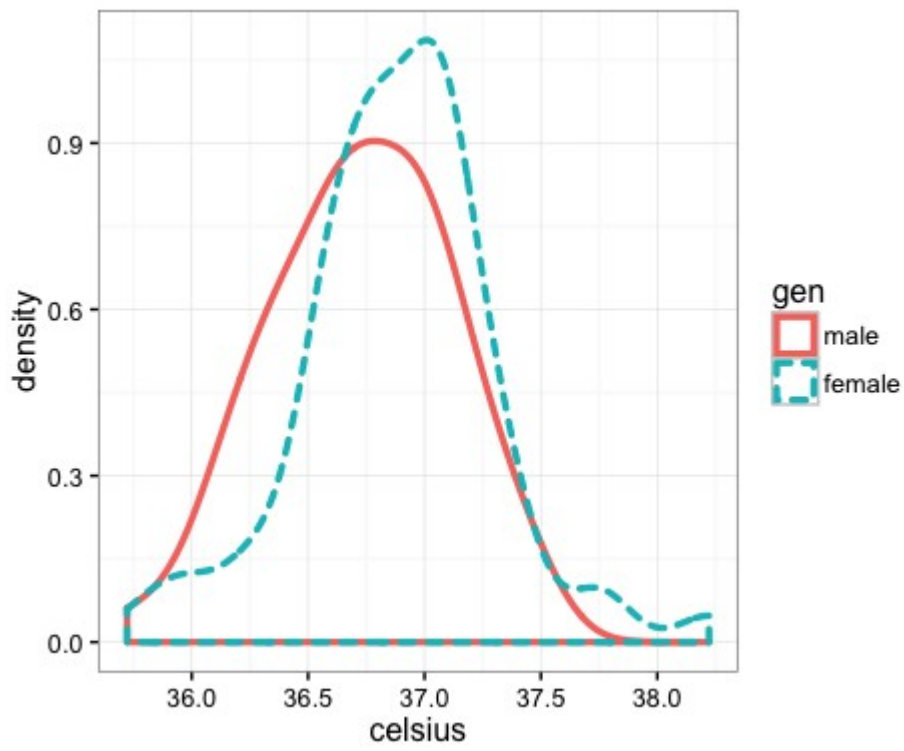
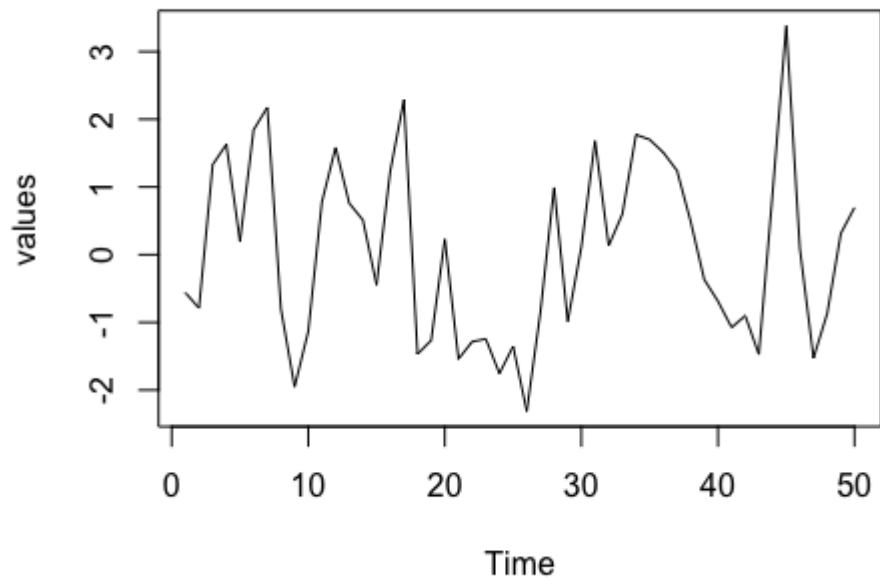
bootstrap repl., women

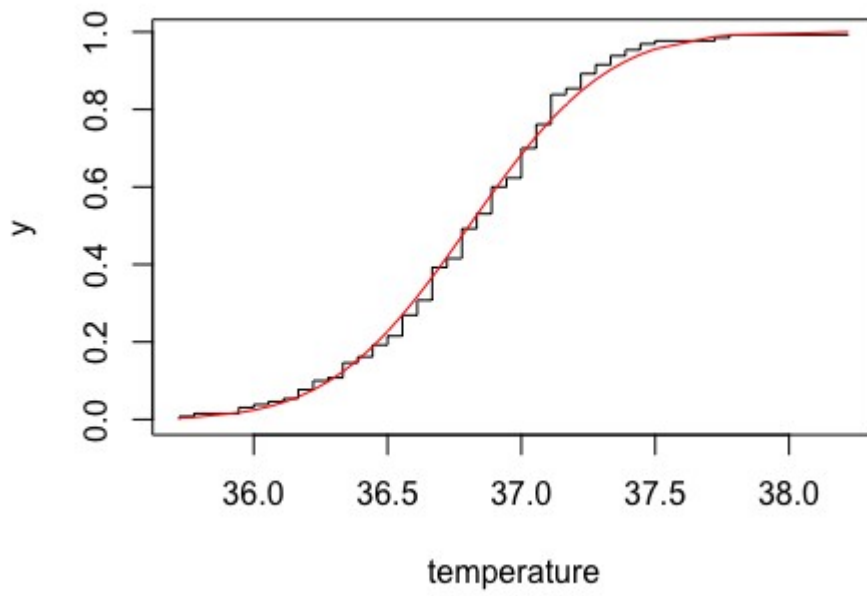
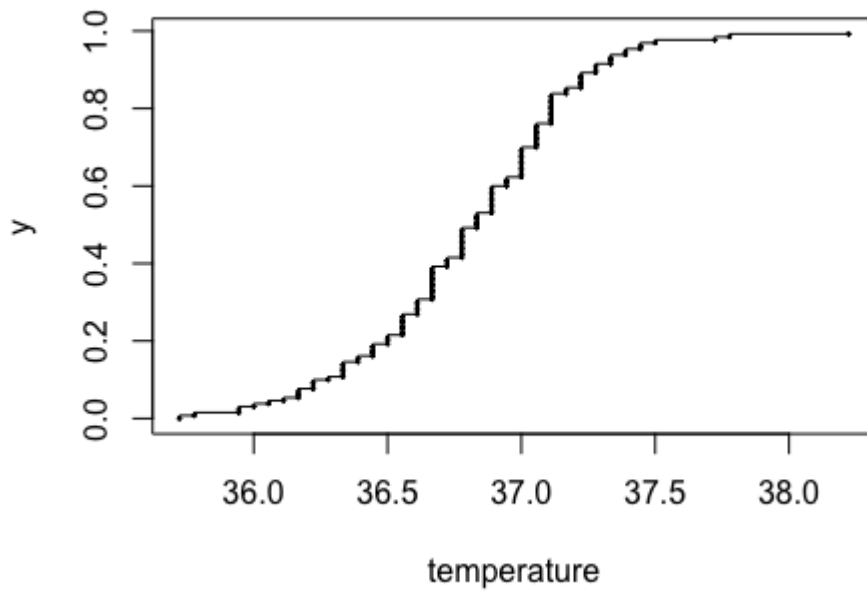
5, 10, 16, 50, 84, 90, 95 %-iles of (T^*-t)

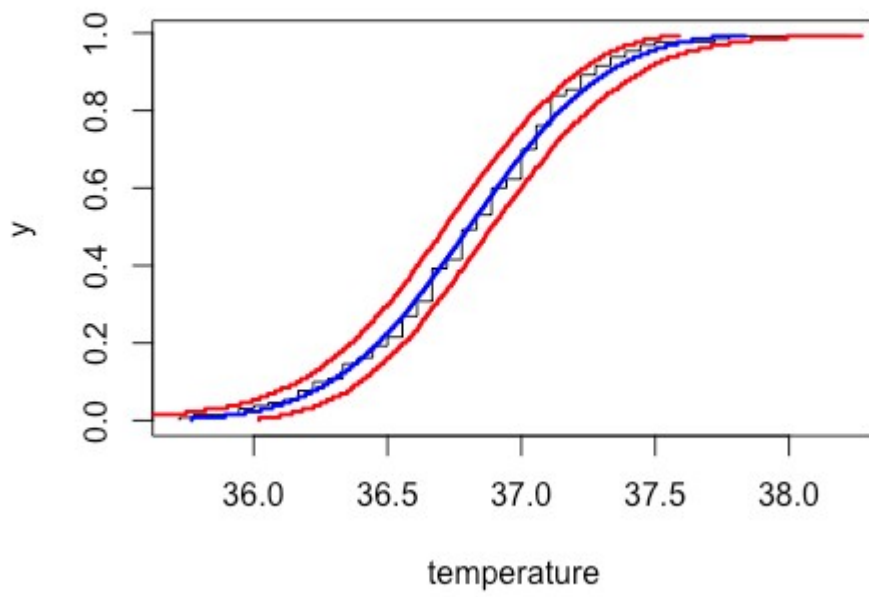
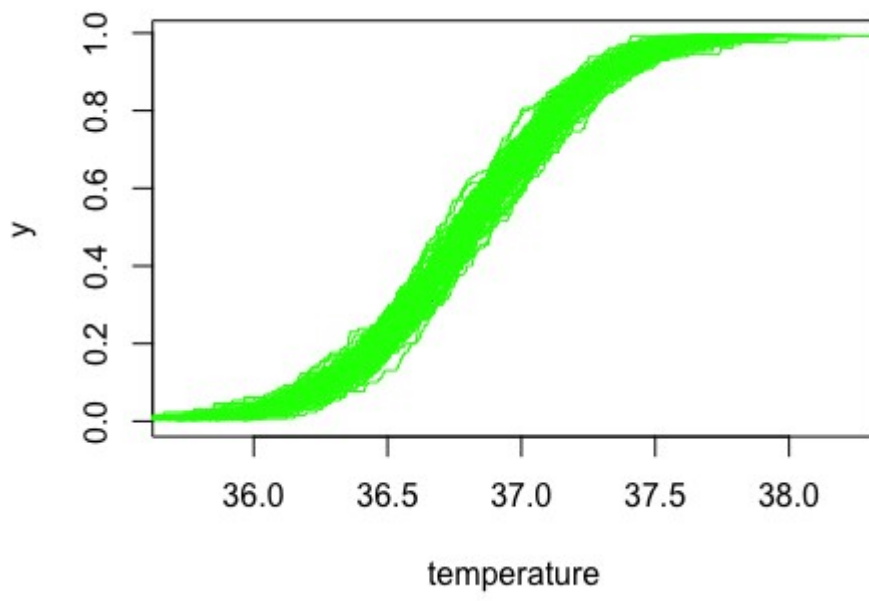


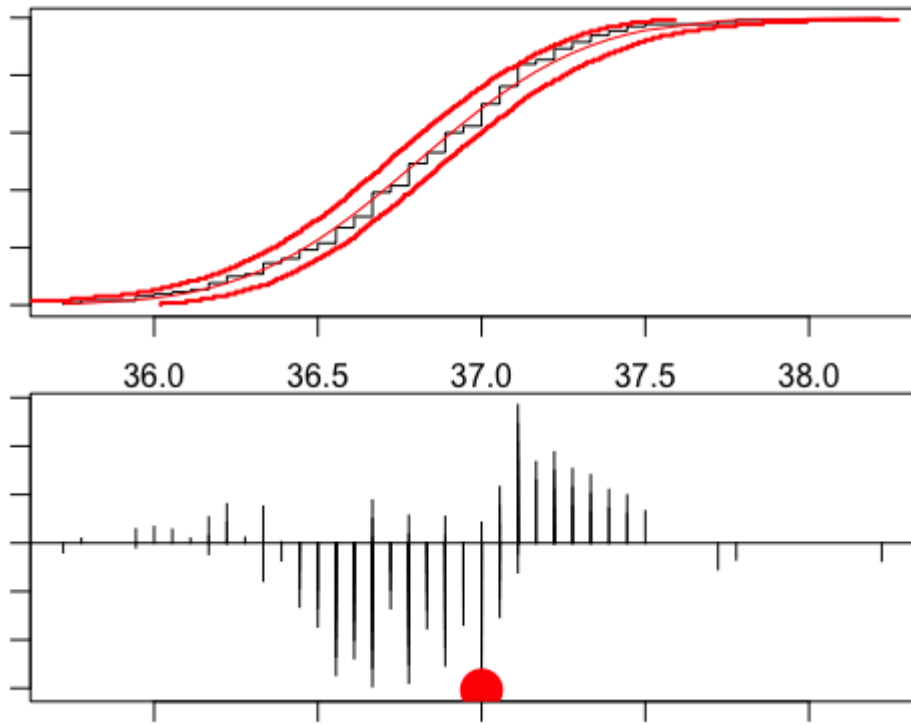
5, 10, 16, 50, 84, 90, 95 %-iles of (T^*-t)



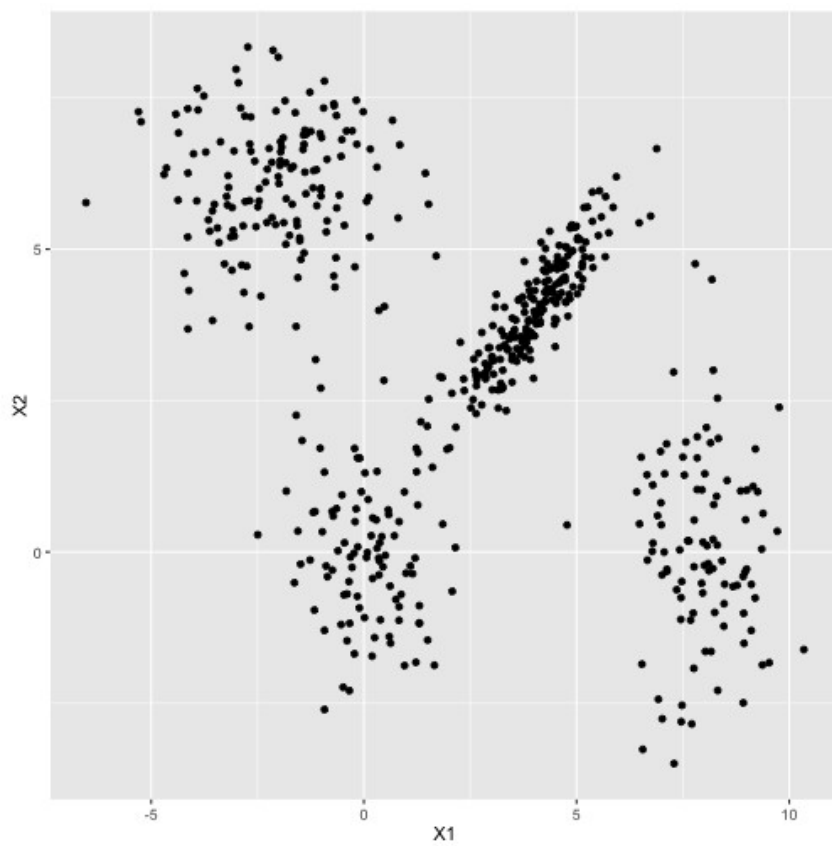


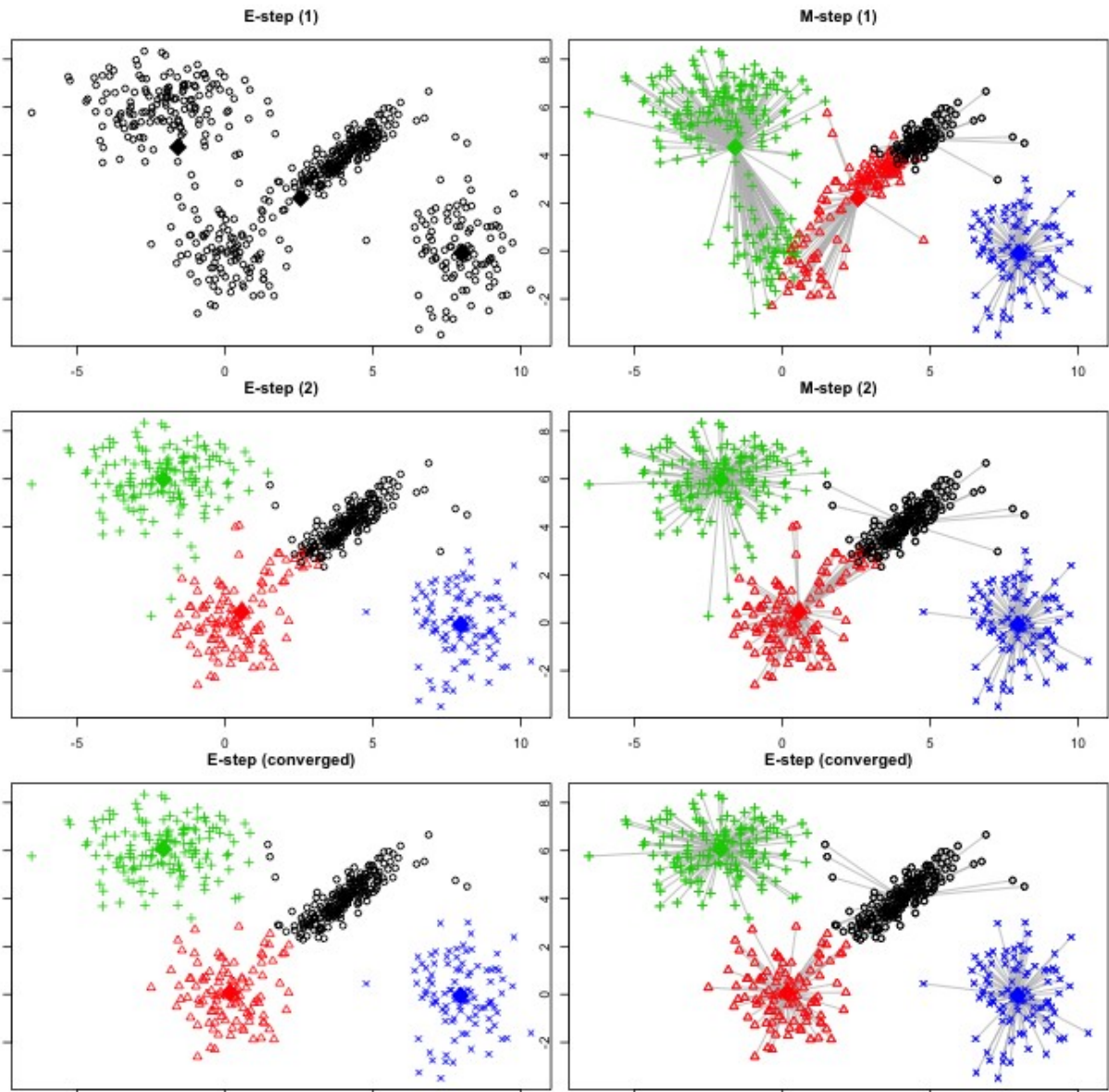




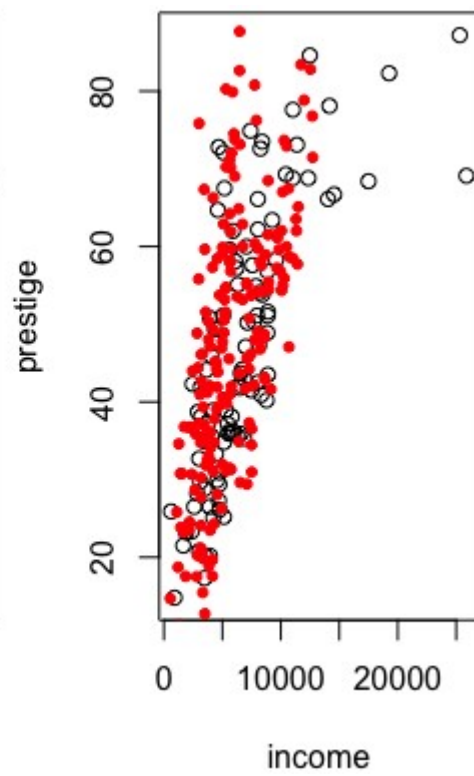
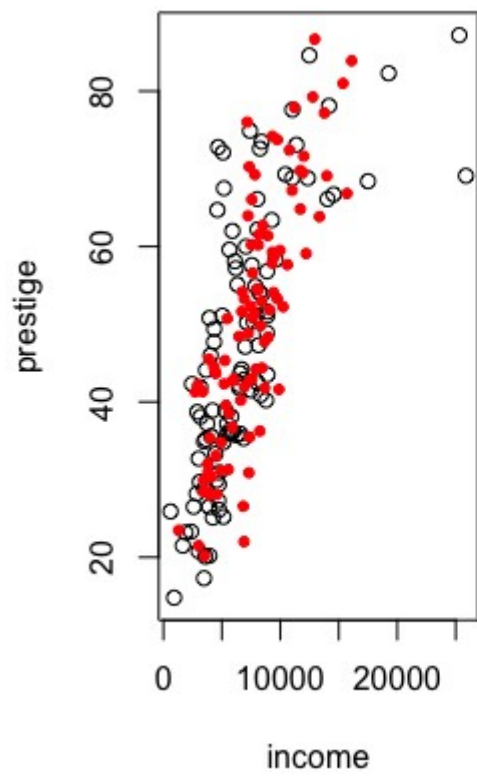
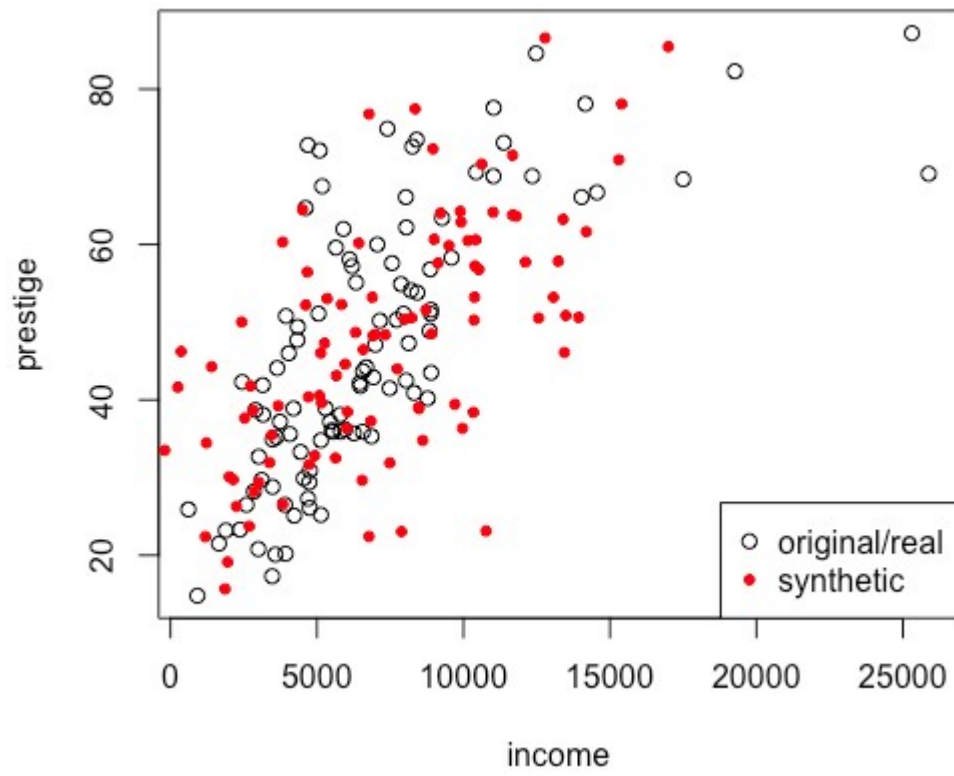


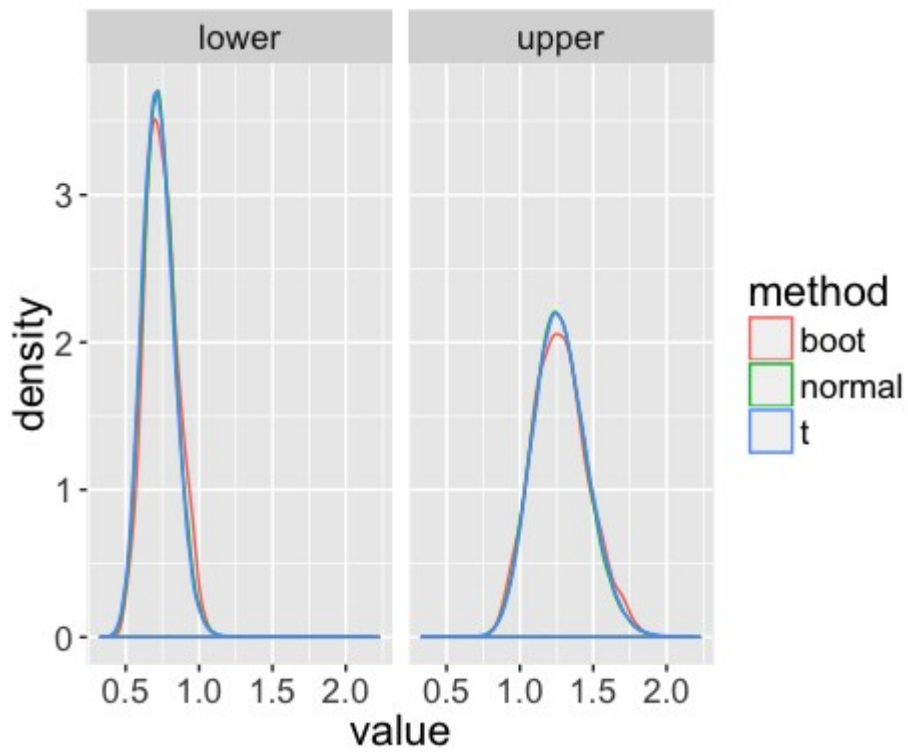
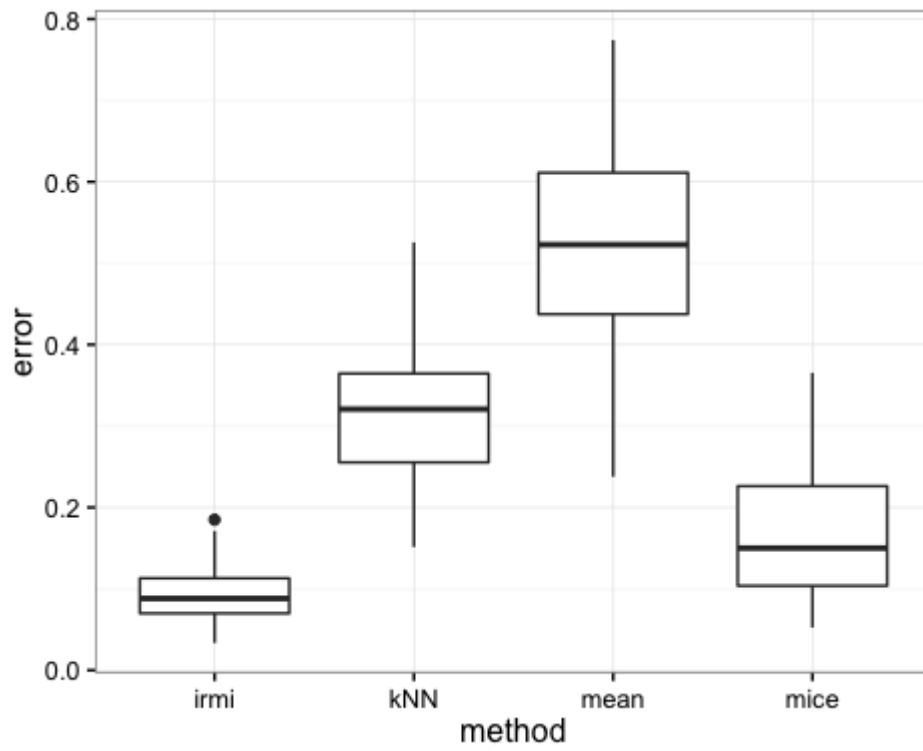
Chapter 9: The EM Algorithm

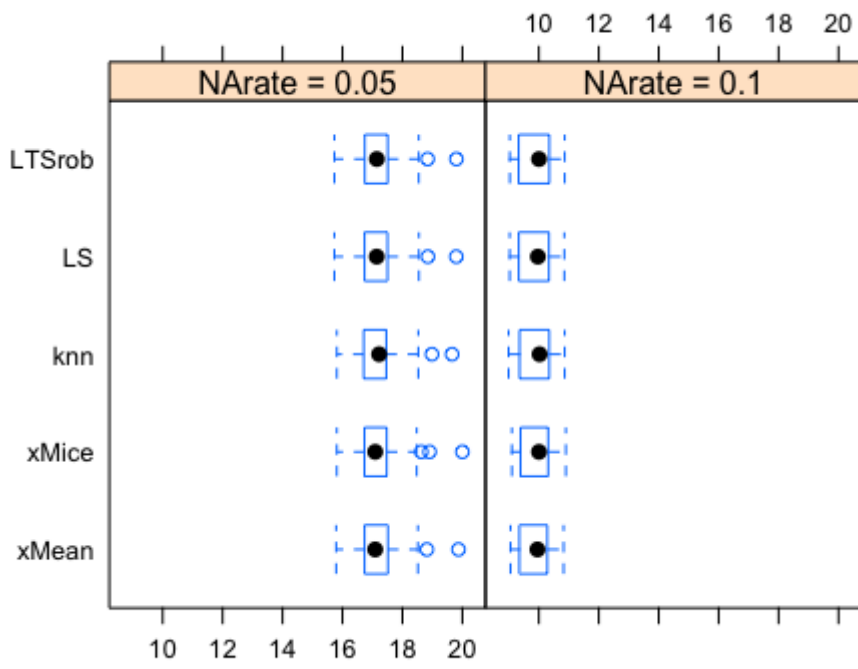


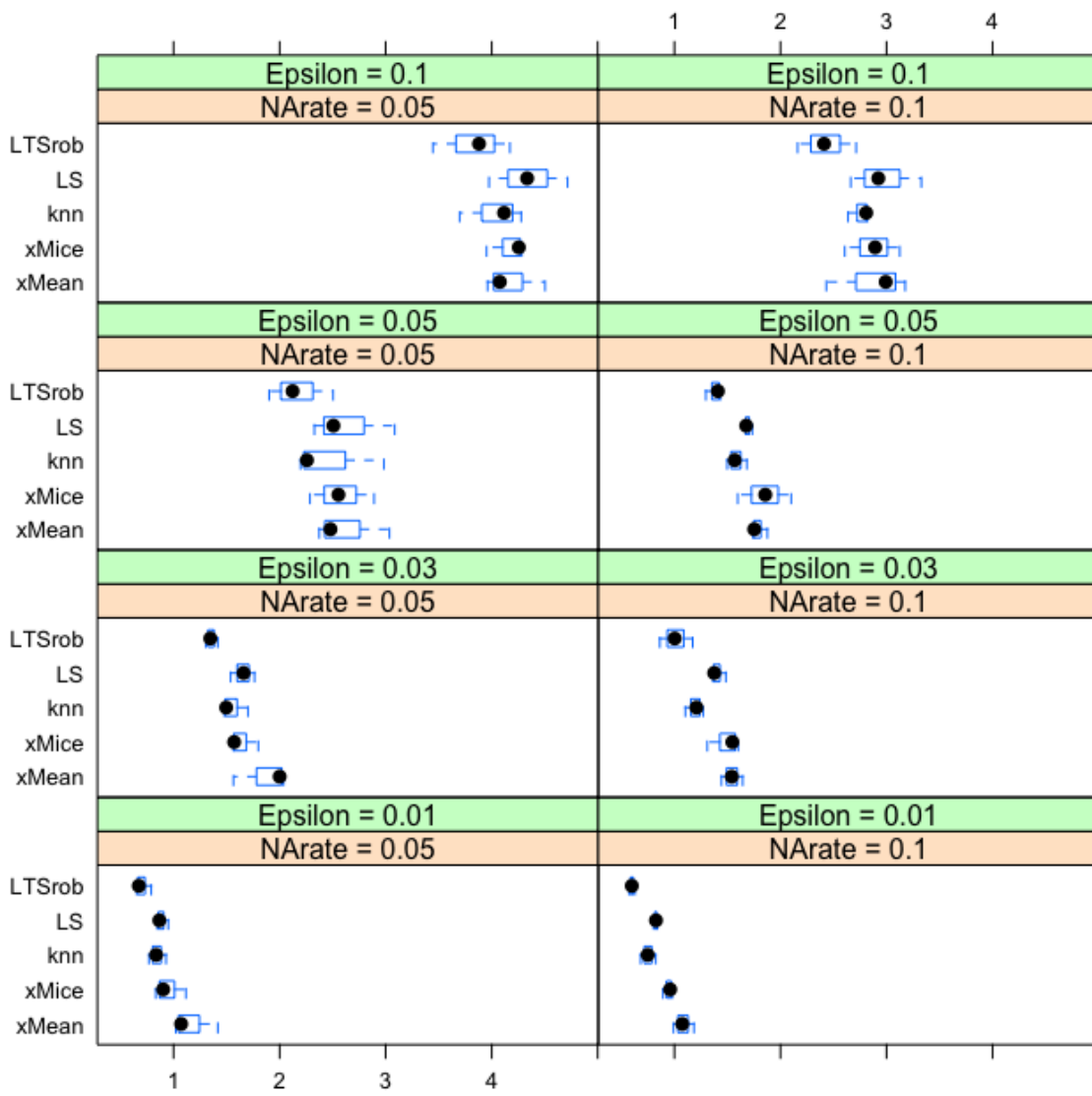


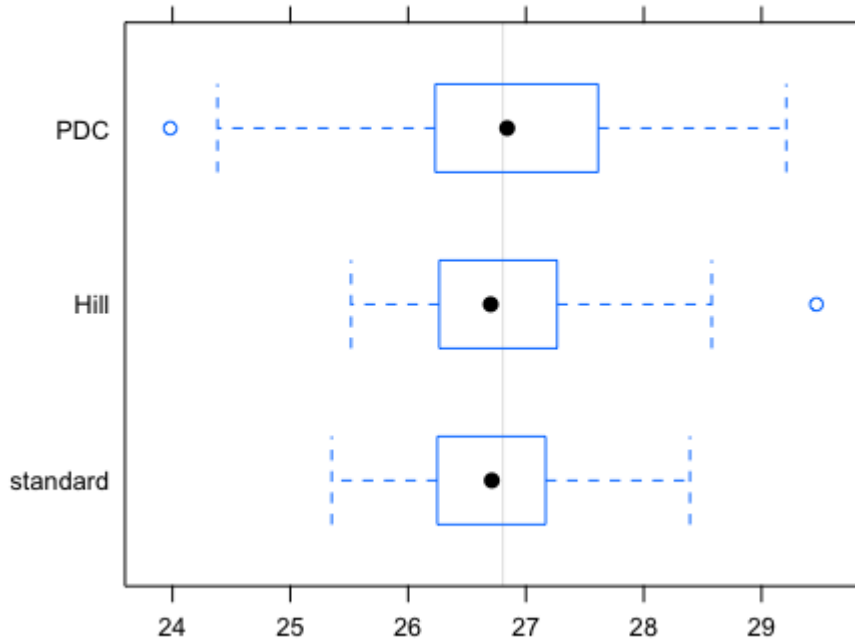
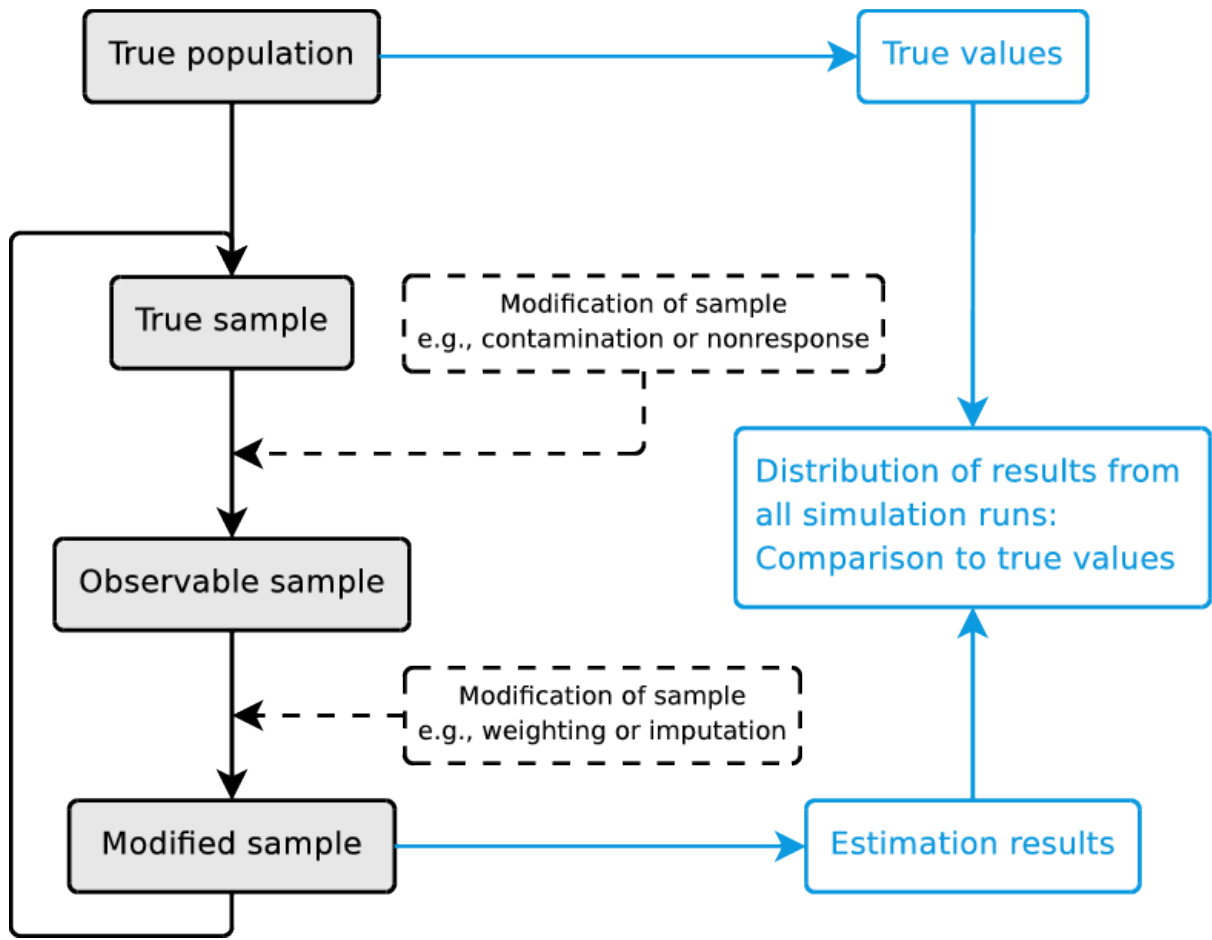
Chapter 9: The EM Algorithm

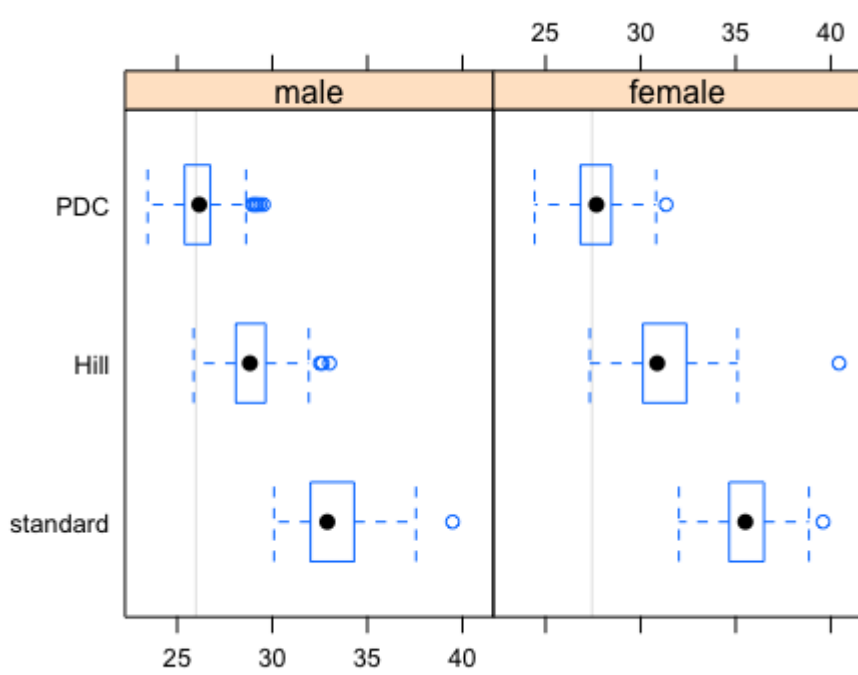
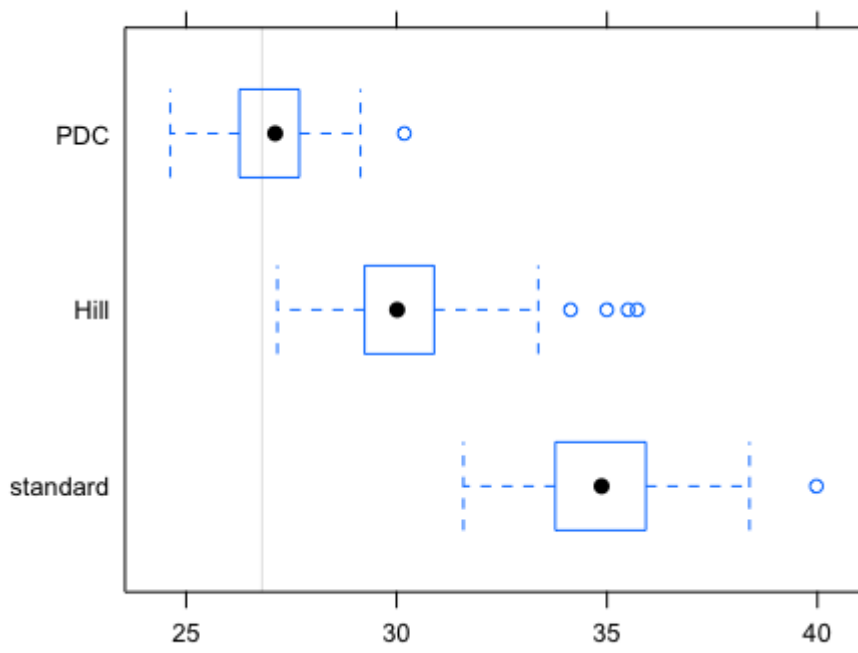












Chapter 11: System Dynamics and Agent-Based Models

