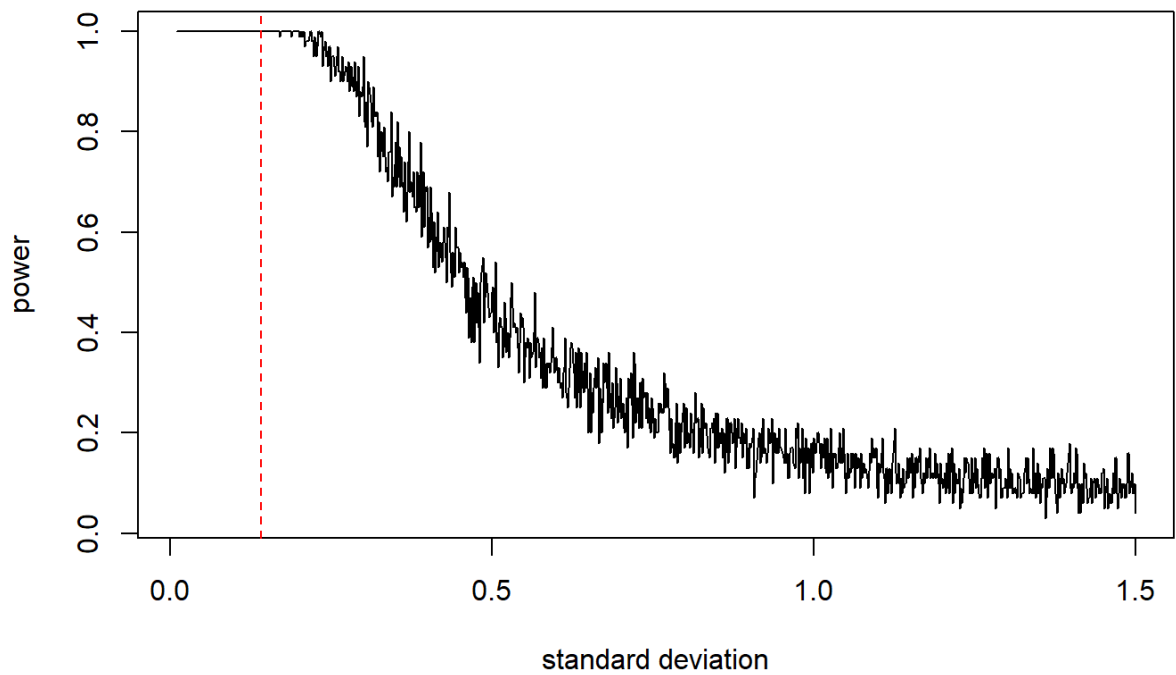
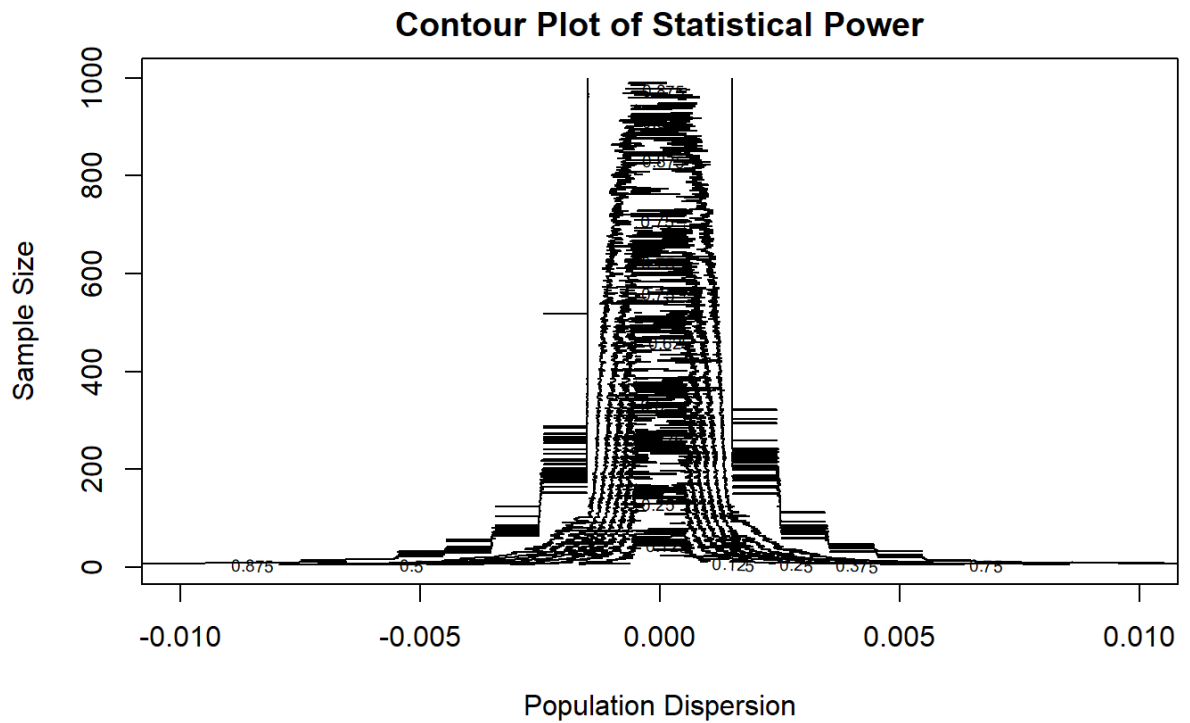


Ian Eggleston



- 1.
2. There is more noise and error within the model when standard deviation increases. At lower standard deviations, the model is a better predictor because values do not deviate as far from the mean.



- 3.

4. The contour plot shows how sample size affects the population dispersion. At lower sample sizes, the population dispersion is much larger than with larger sample sizes. This shows the statistical power is also greater for larger sample sizes because there the population dispersion affects it less.
5. Uploaded HTML file
6. It would show that the model has a greater power at smaller sample sizes. The population dispersion was set very narrow which caused any deviation from that to maximize the model power.