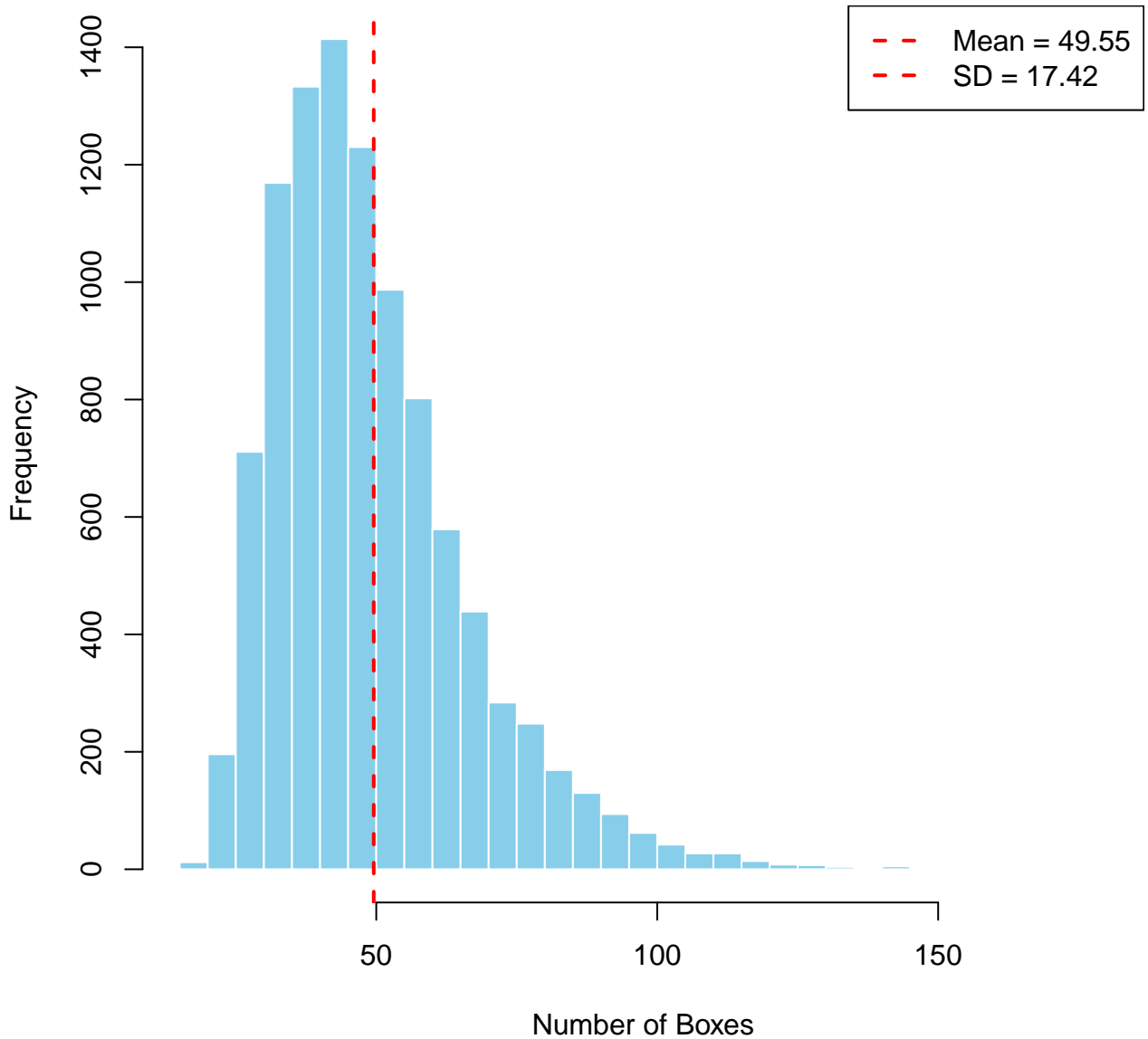
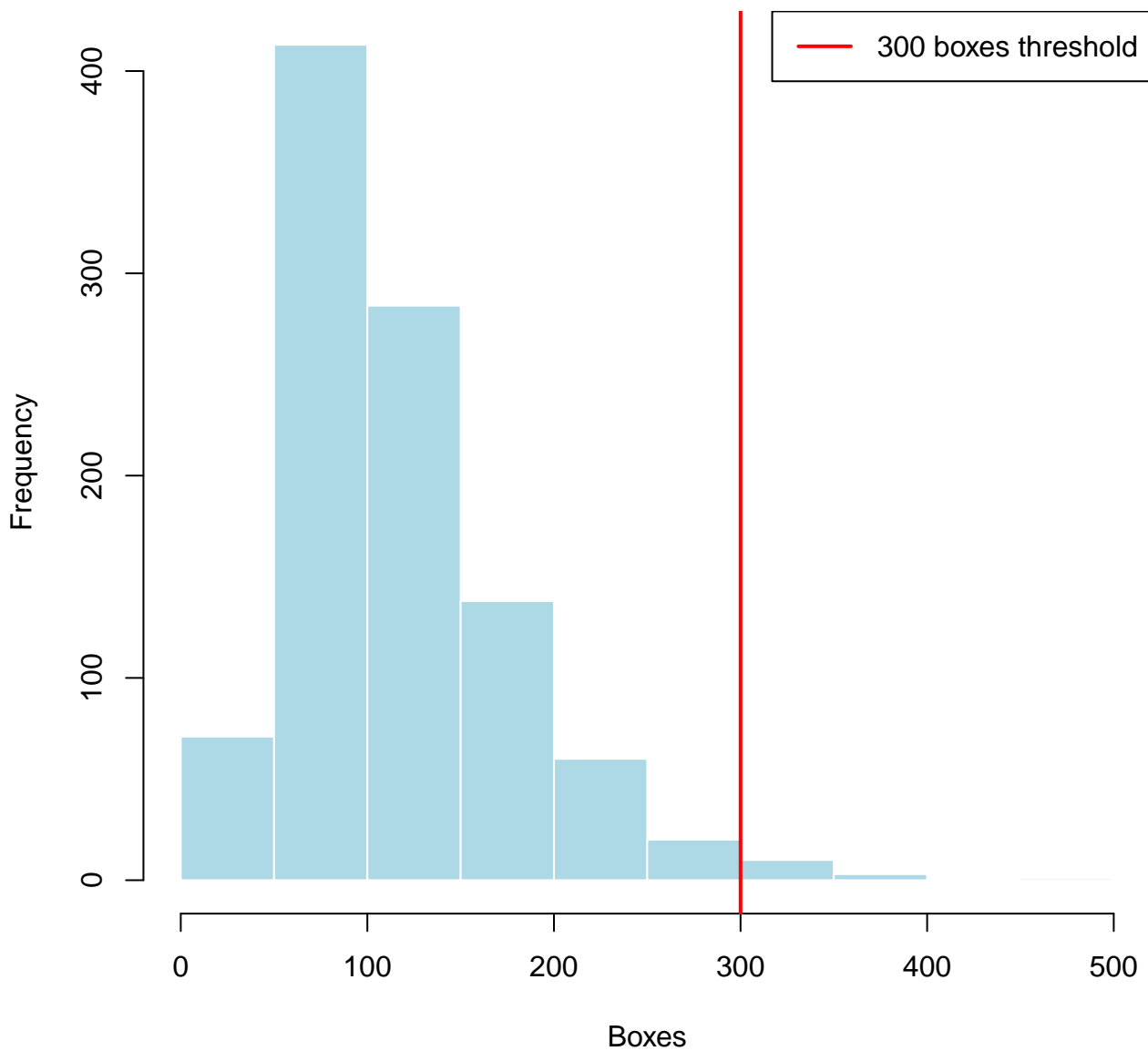


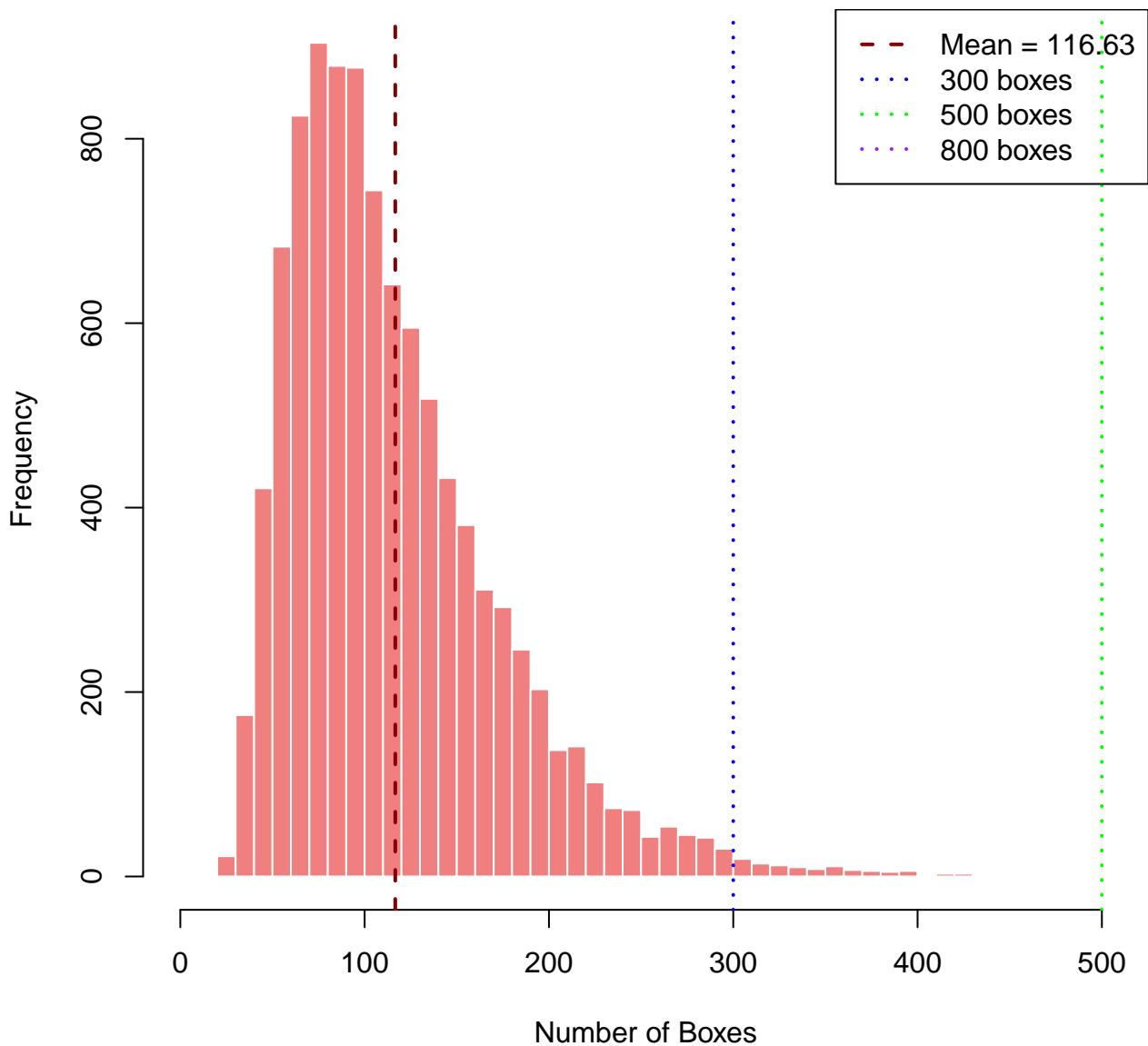
## Distribution of Boxes Needed (Equal Probabilities)



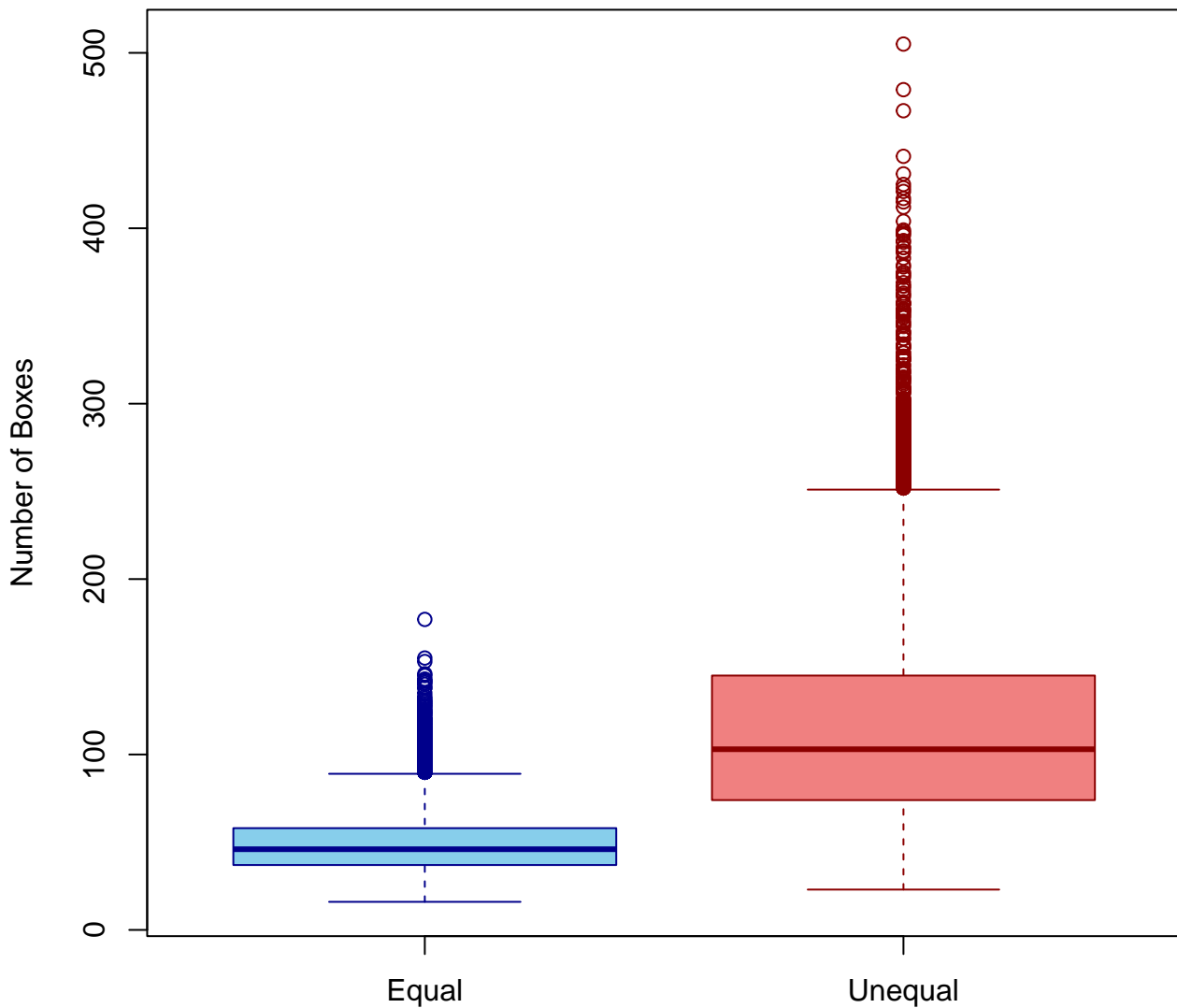
# Histogram of Total Boxes



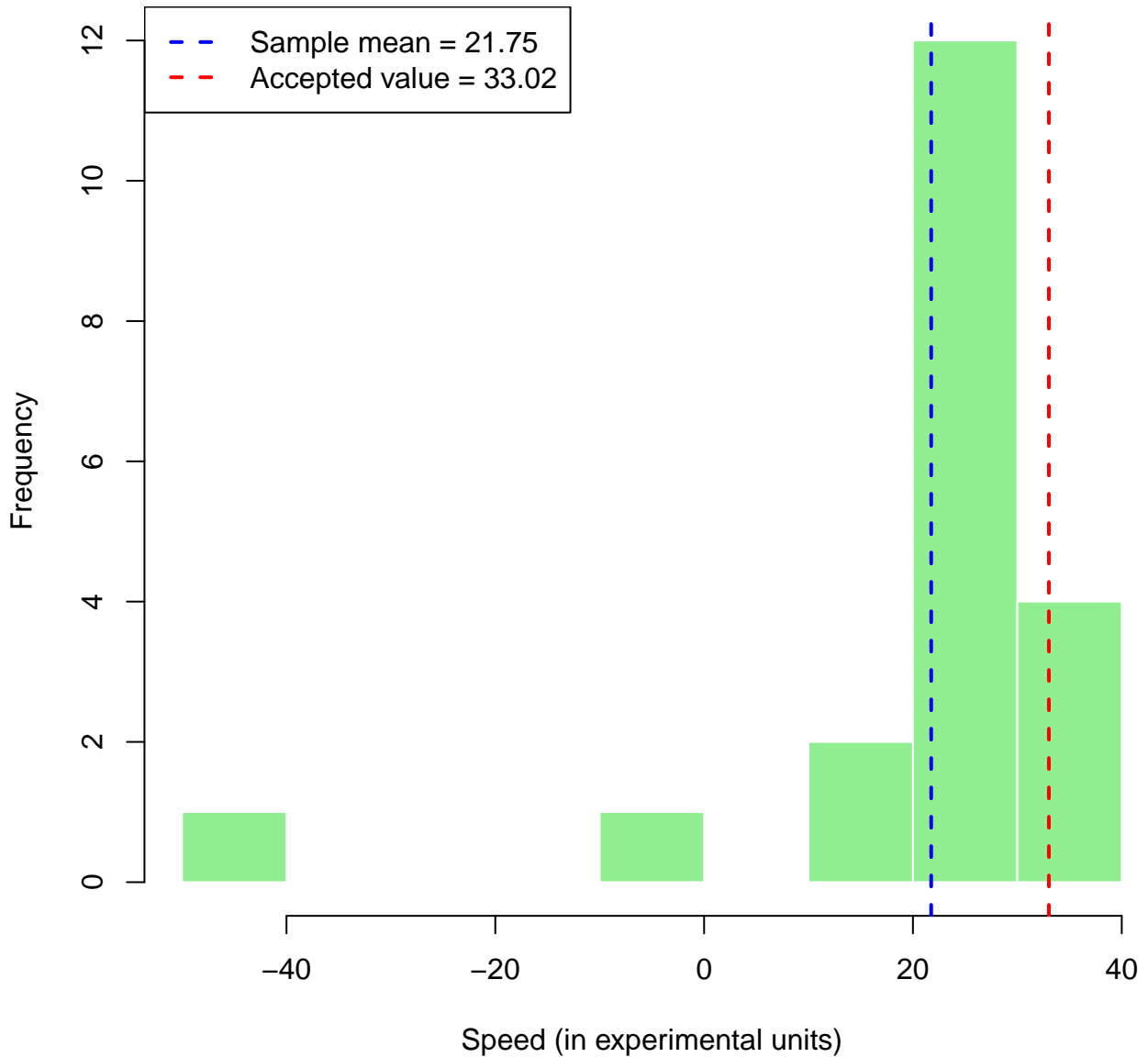
## Distribution of Boxes Needed (Unequal Probabilities)



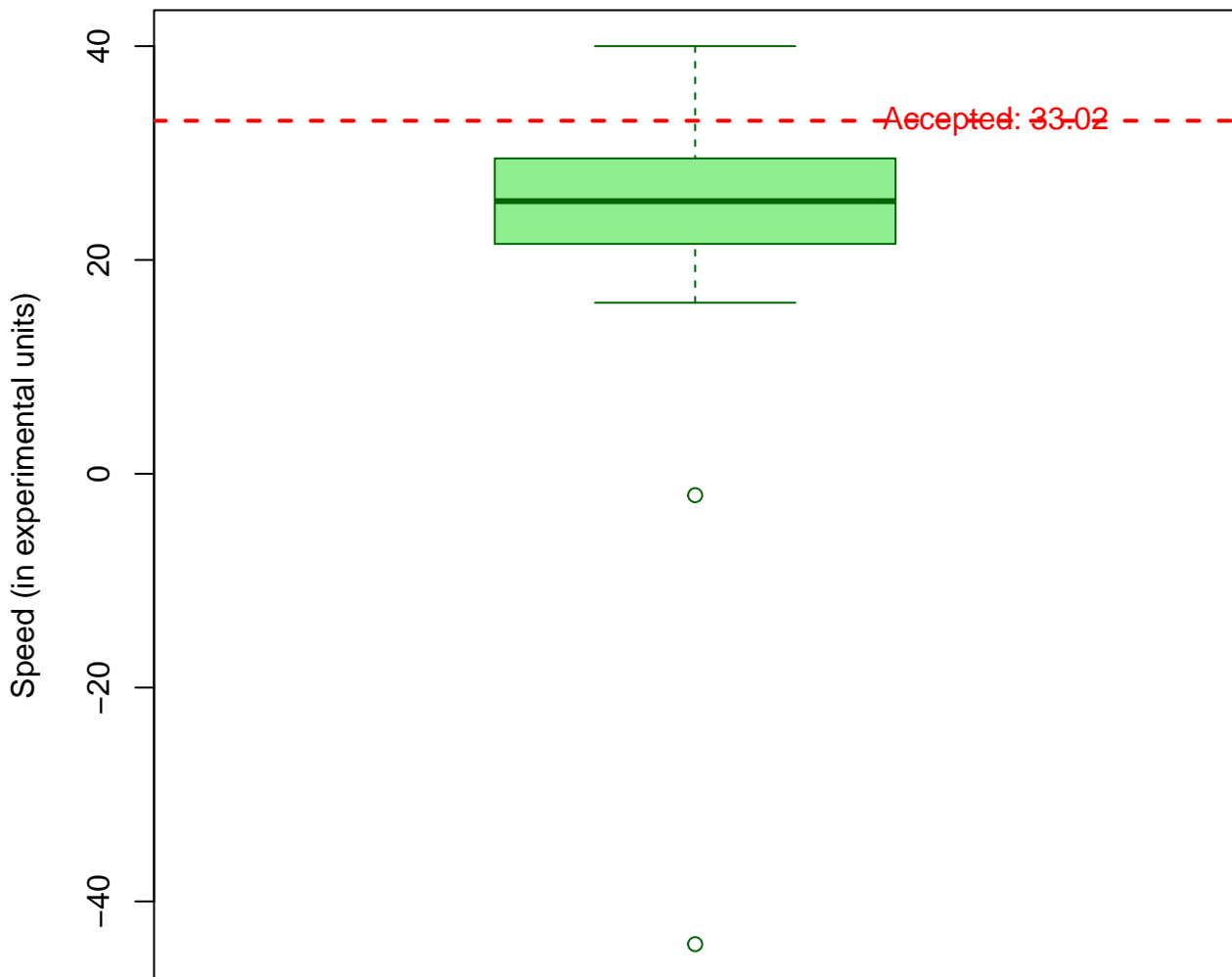
## Comparison: Equal vs Unequal Probabilities



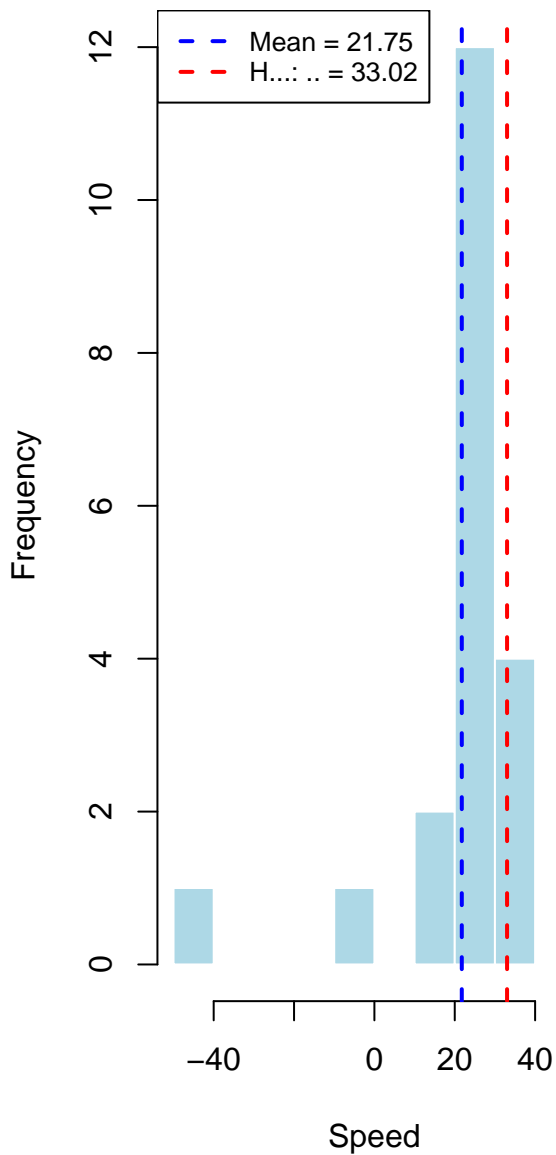
## Newcomb's Speed of Light Measurements (1882)



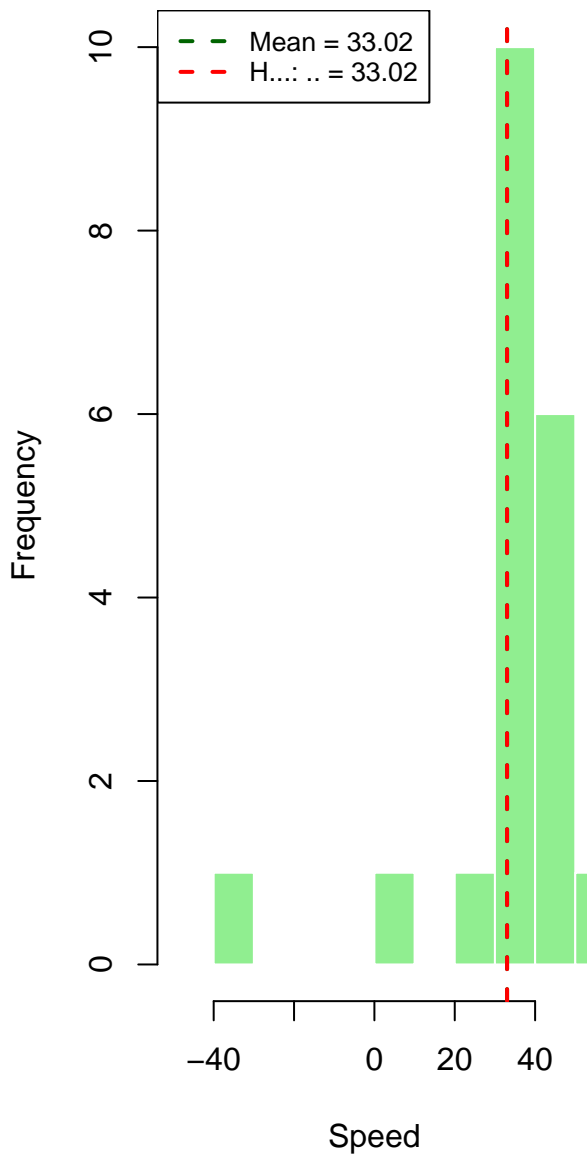
# Speed of Light Measurements



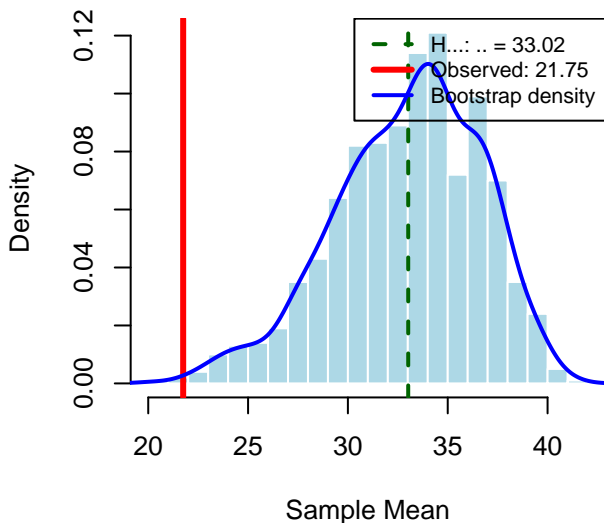
### Original Data



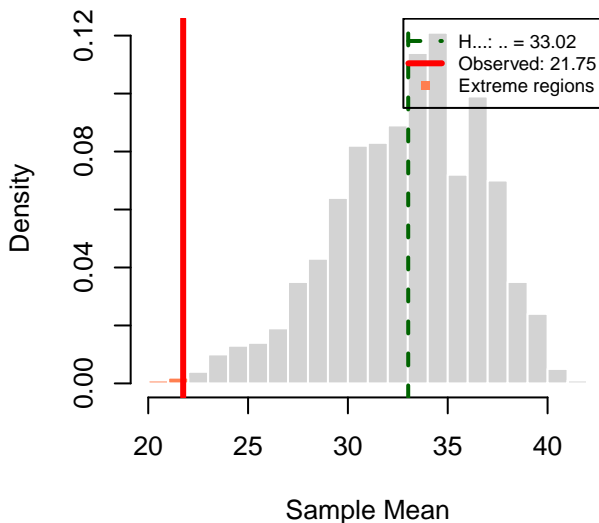
### Shifted Data (H... is True)



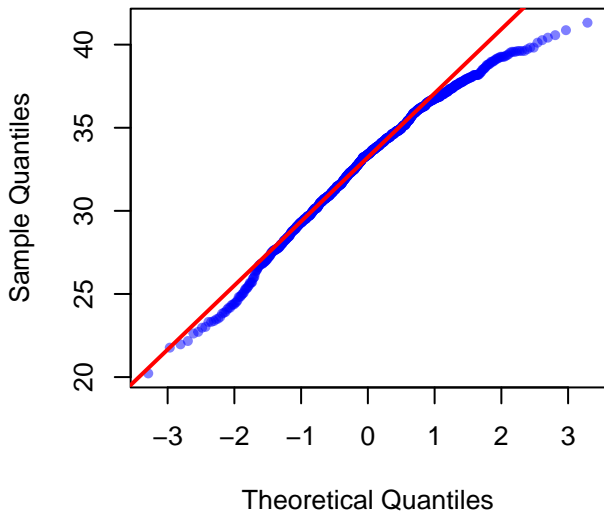
**Bootstrap Sampling Distribution of  $\bar{X}_{..}$  Under**



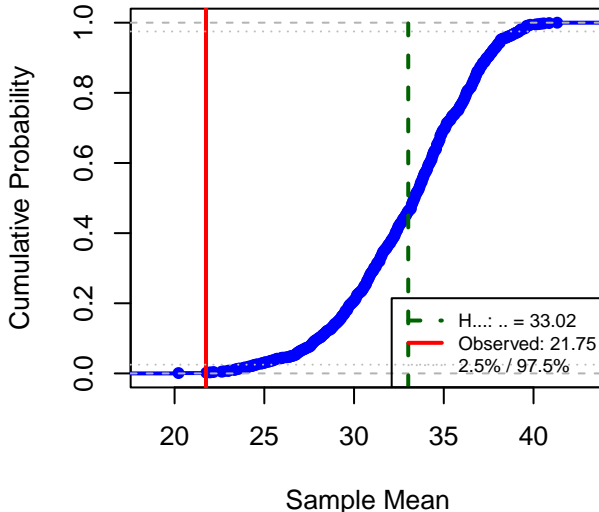
**P-value Region (Two-Sided Test)**



**Q-Q Plot: Bootstrap Distribution**

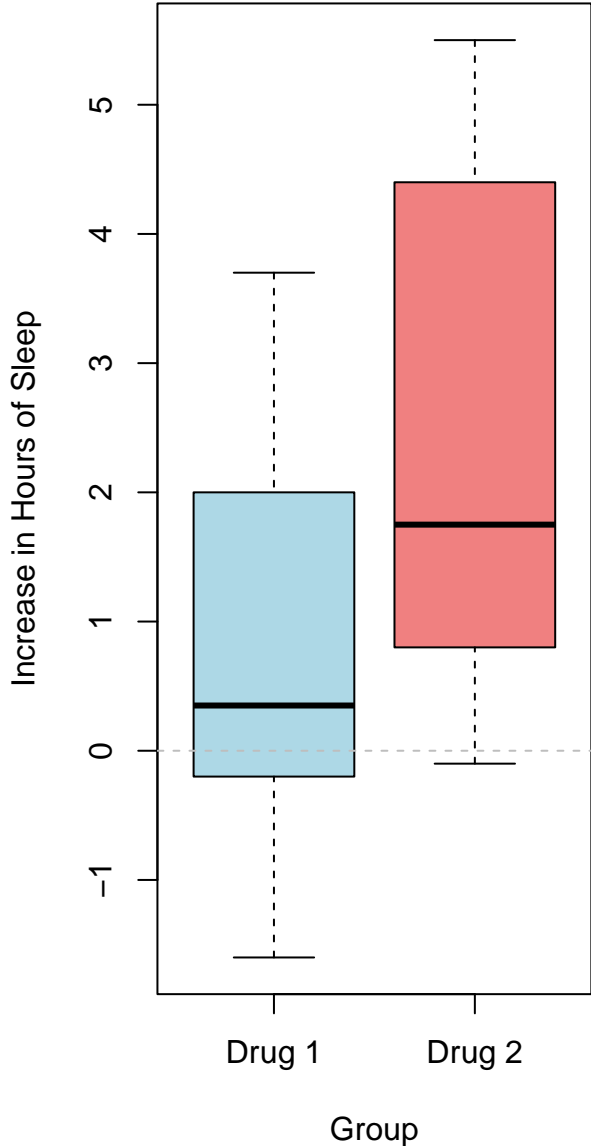


**Empirical CDF of Bootstrap Means**

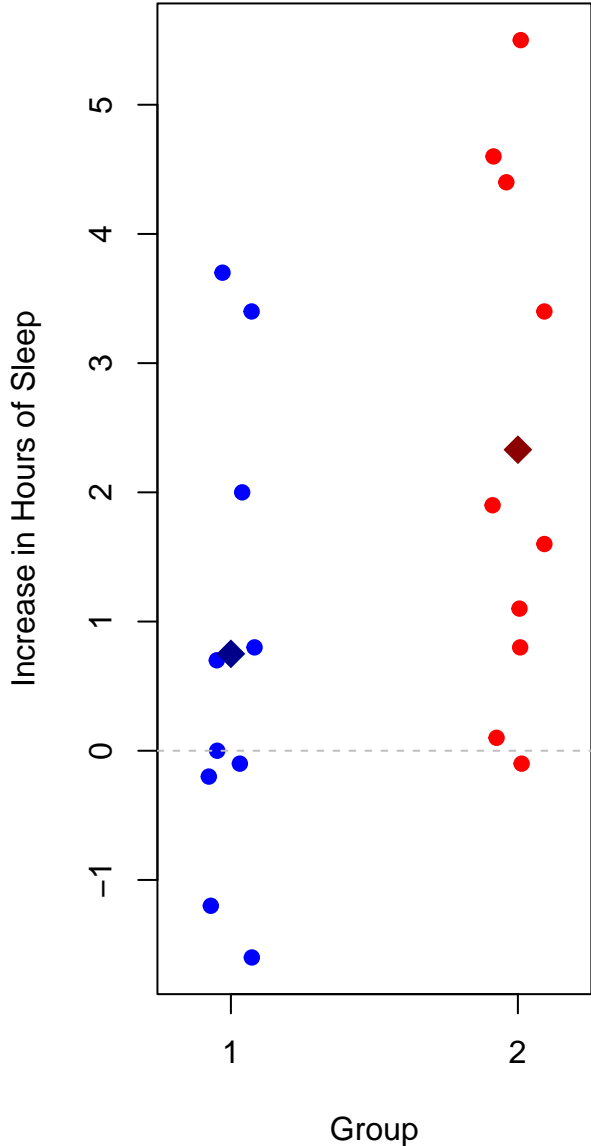




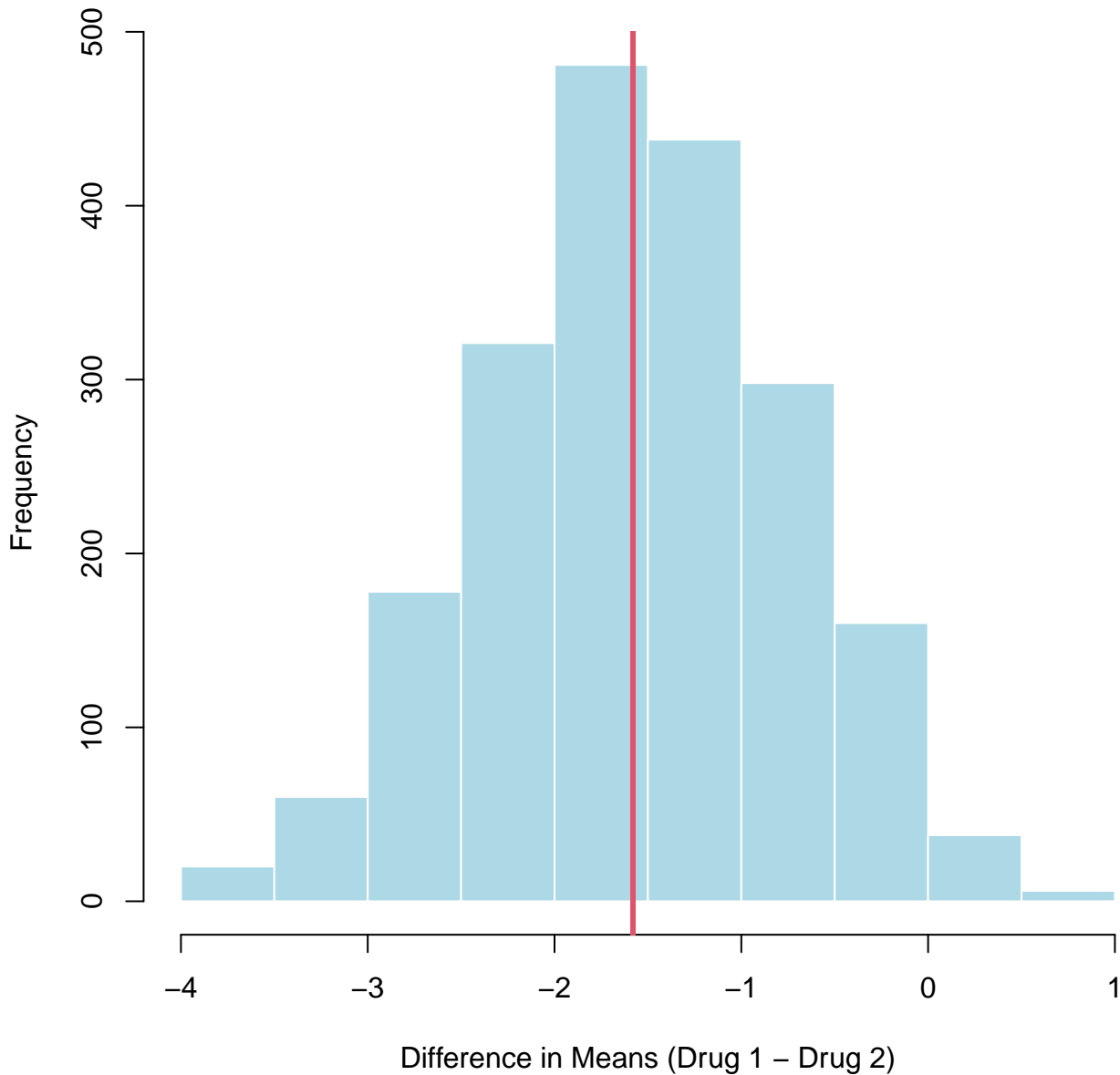
**Sleep Increase by Drug**



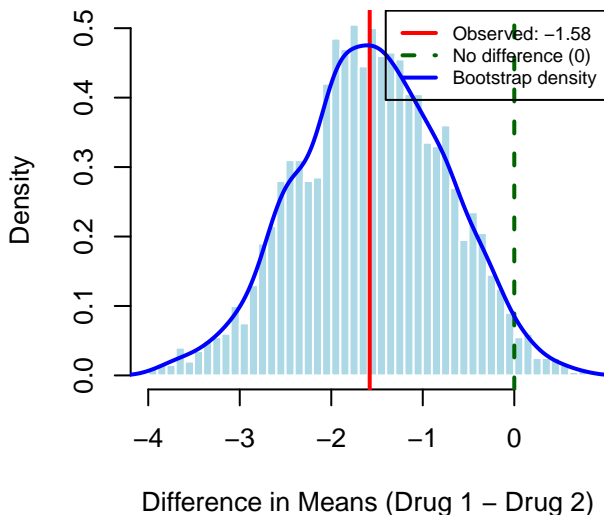
**Individual Sleep Increases**



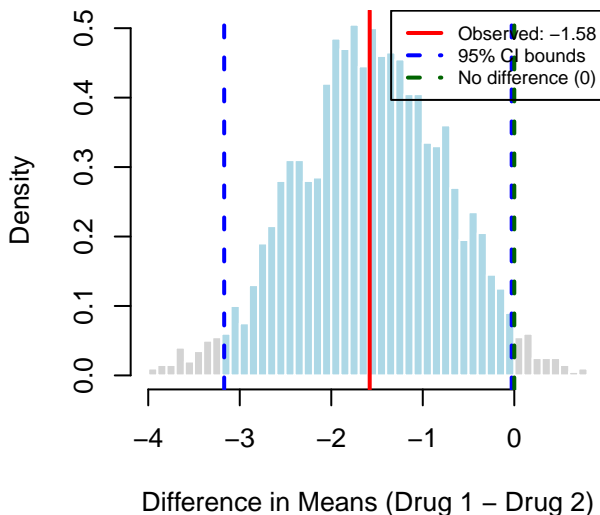
# Bootstrap Sampling Distribution



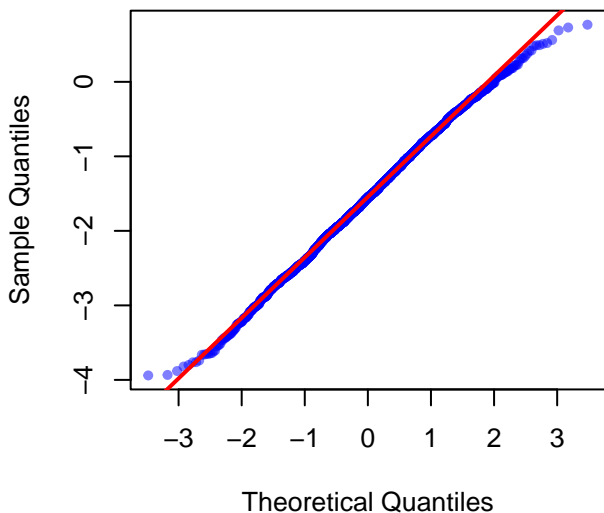
**Bootstrap Distribution of  
Difference in Means**



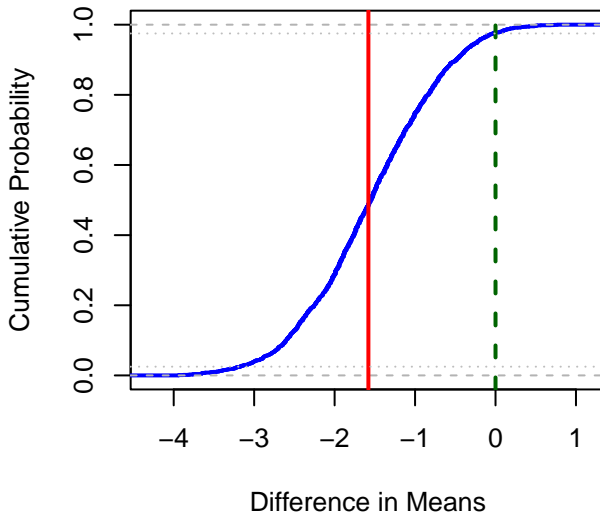
**95% Bootstrap Confidence Interval**



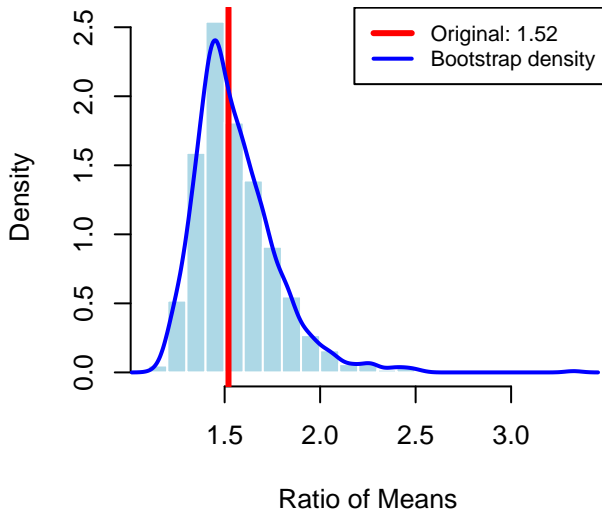
**Q–Q Plot: Bootstrap Differences**



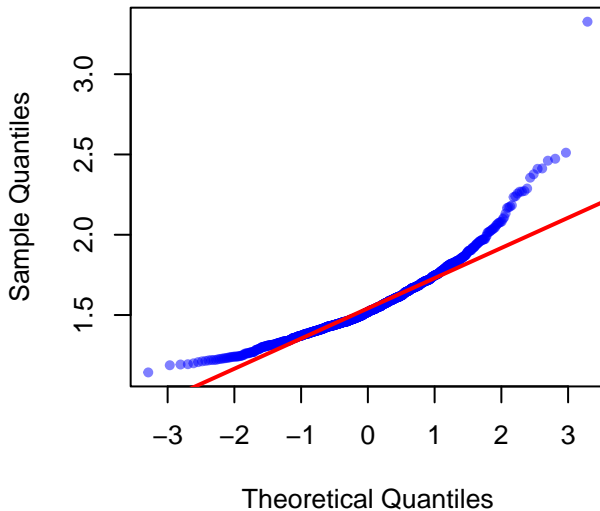
**Empirical CDF**



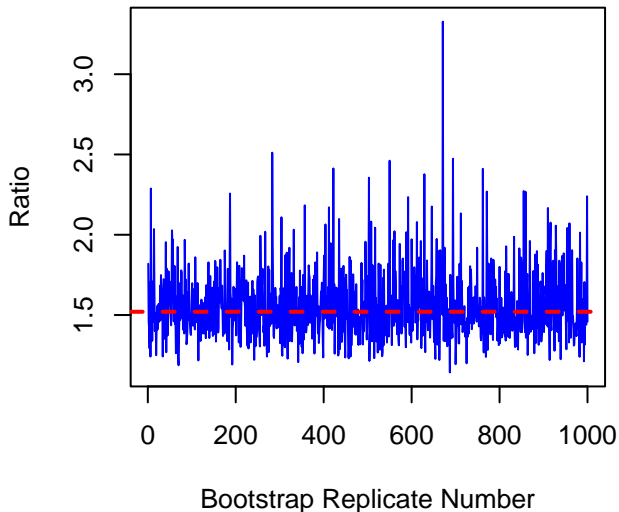
### Bootstrap Distribution of Ratio



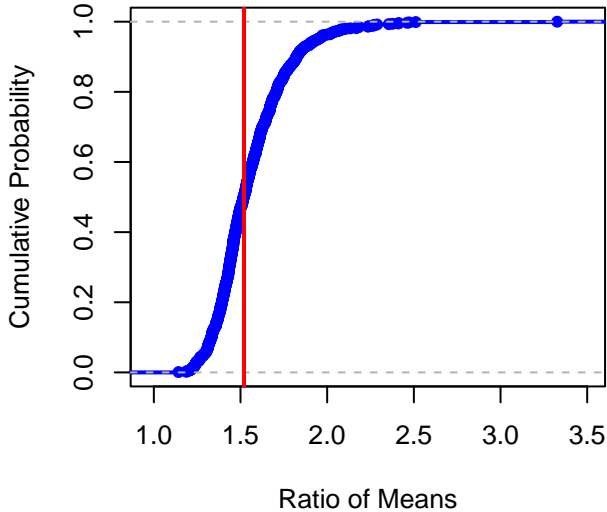
### Q-Q Plot: Bootstrap Ratios



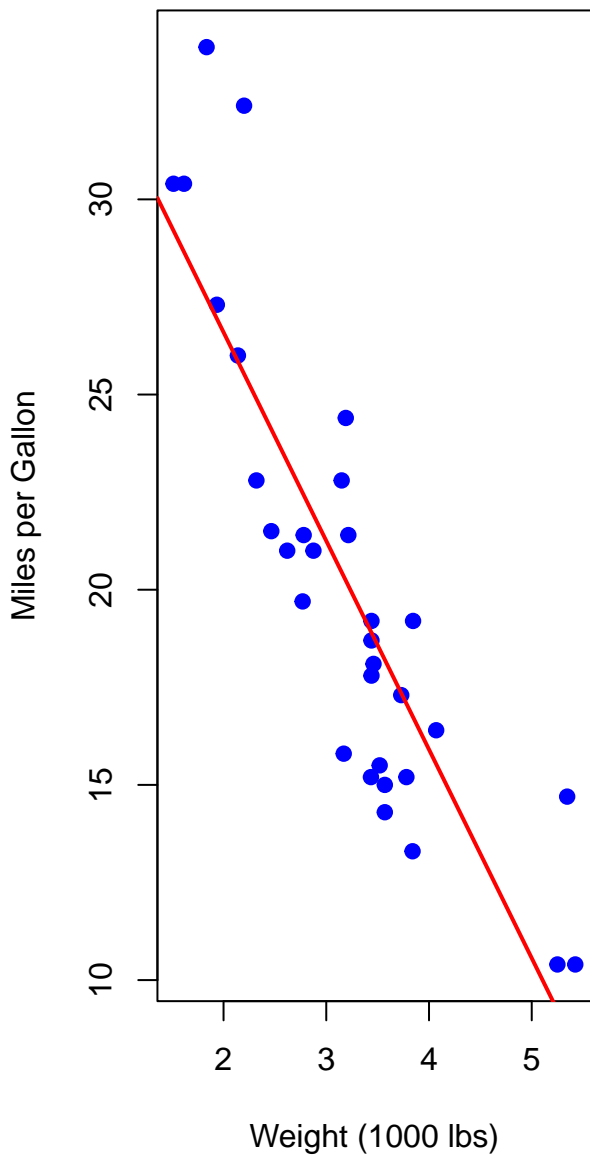
### Bootstrap Replicates Sequence



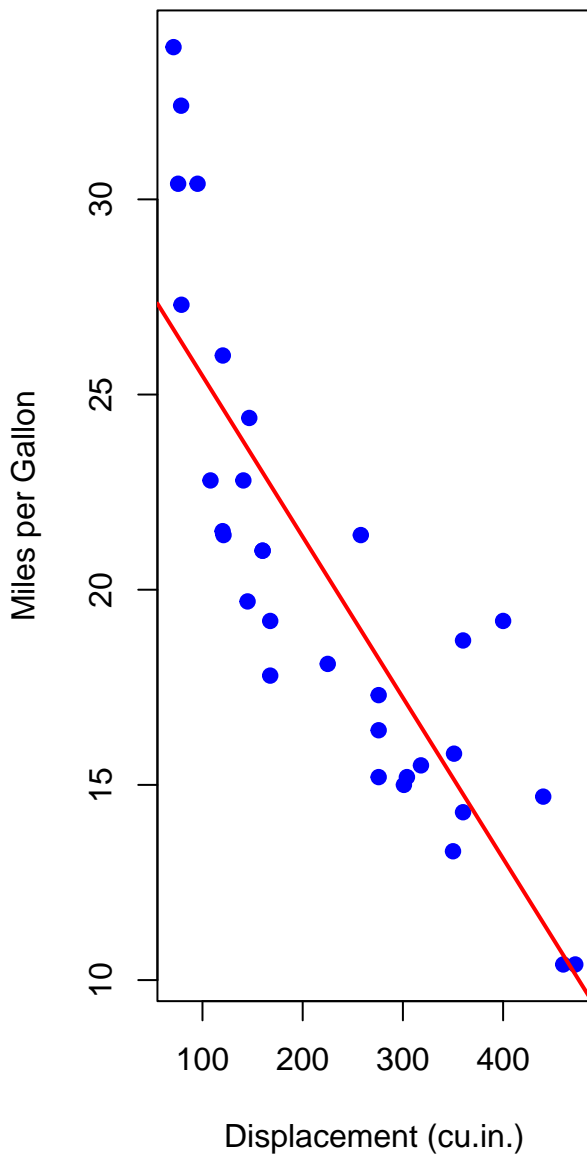
### Empirical CDF



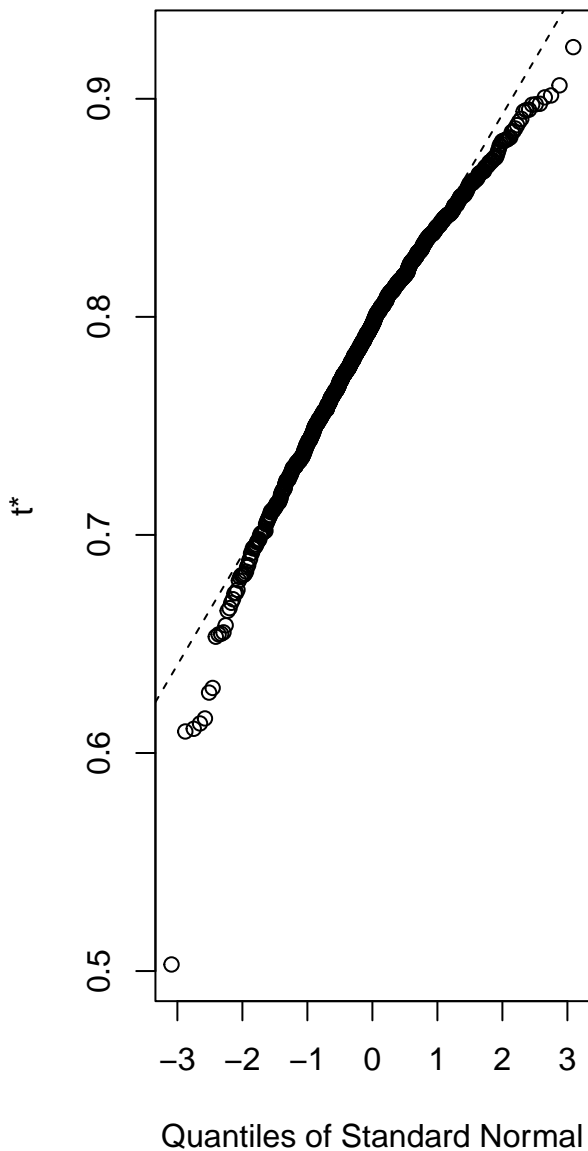
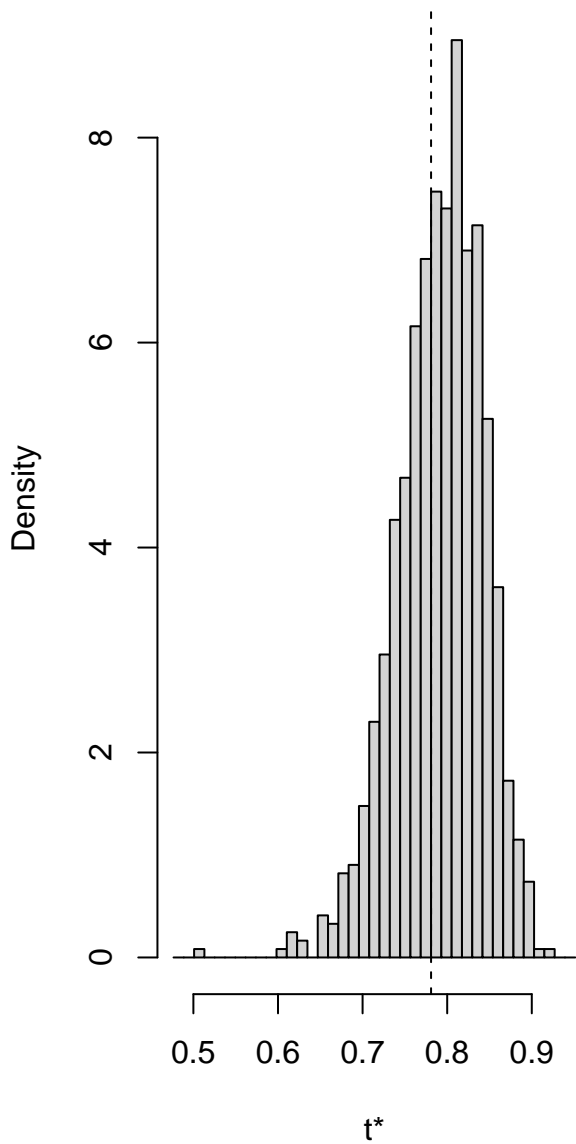
### MPG vs Weight



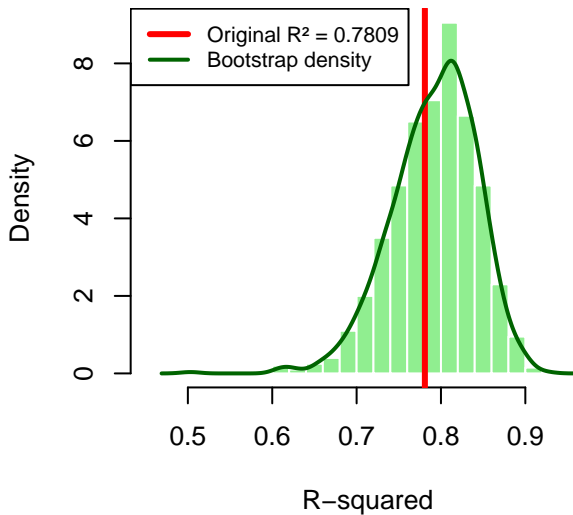
### MPG vs Displacement



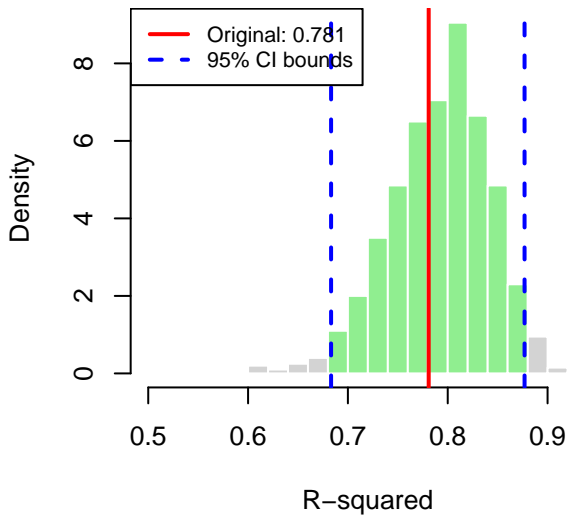
Histogram of  $t$



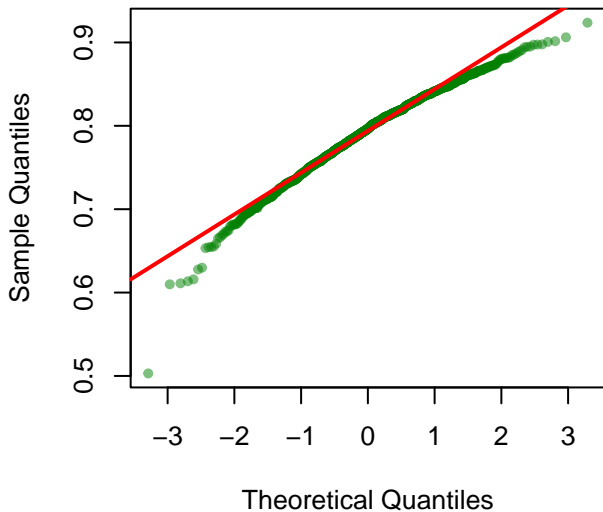
### Bootstrap Distribution of $R^2$



### 95% Percentile CI for $R^2$



### Q-Q Plot: Bootstrap $R^2$



### Bootstrap $R^2$ Sequence

