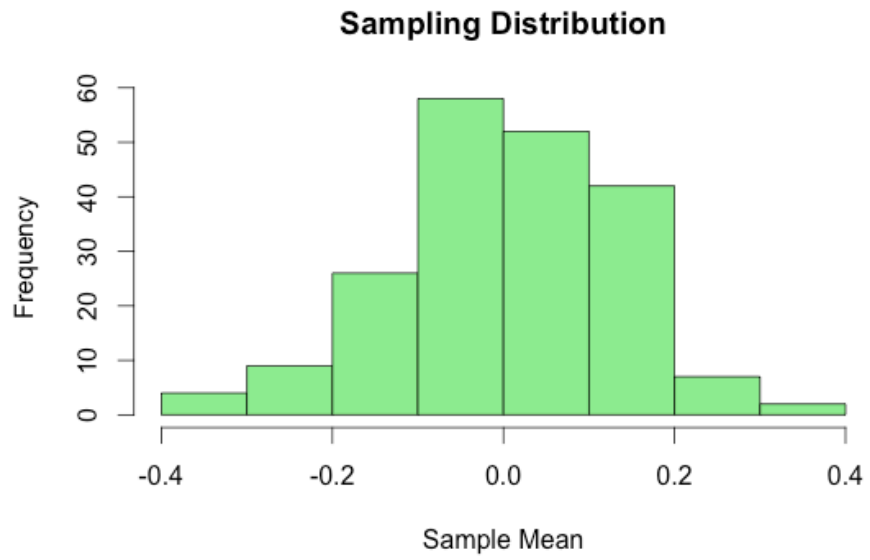
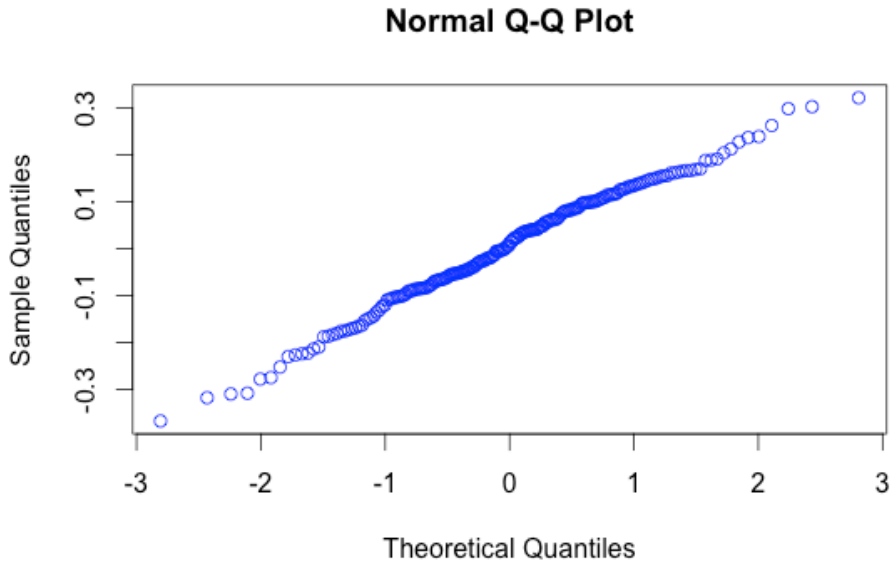
Output for Central Limit Theorem

Following are the outputs from the R code for proving CLT for different standard distributions with number of samples = 200 and sample size = 60.

1) Population with Normal Distribution with mu = 0, sd = 1

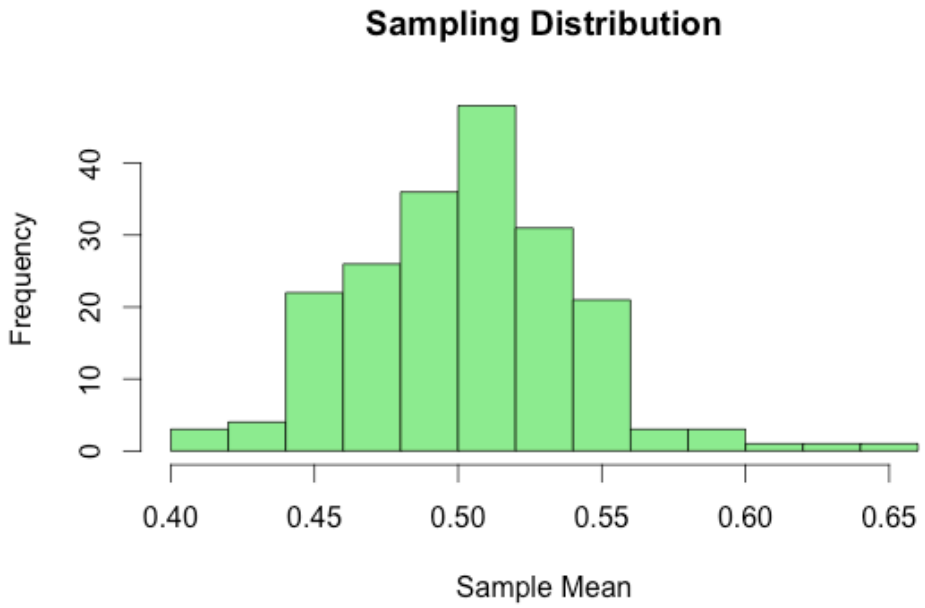
Output
Mean = 0.004687627
SD = 0.1295891

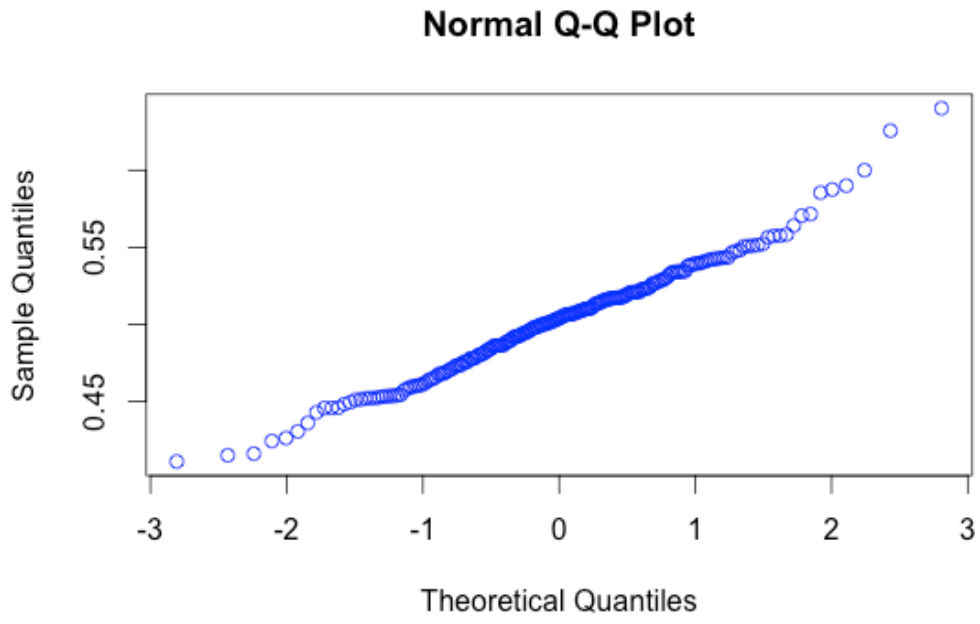




2) Population with Uniform Distribution with min = 0, max = 1

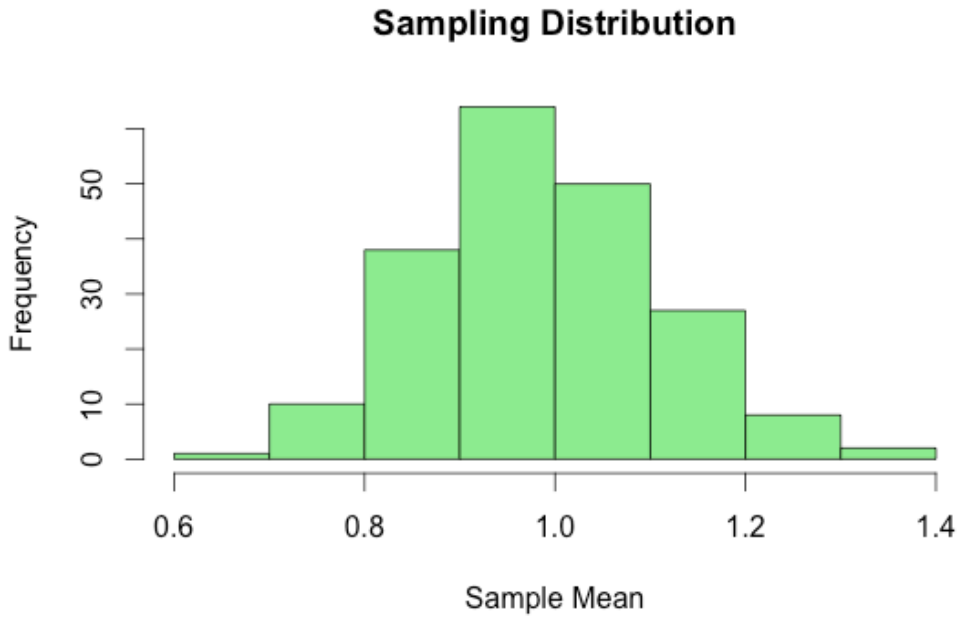
Output
Mean = 0.5024882
SD = 0.03796853

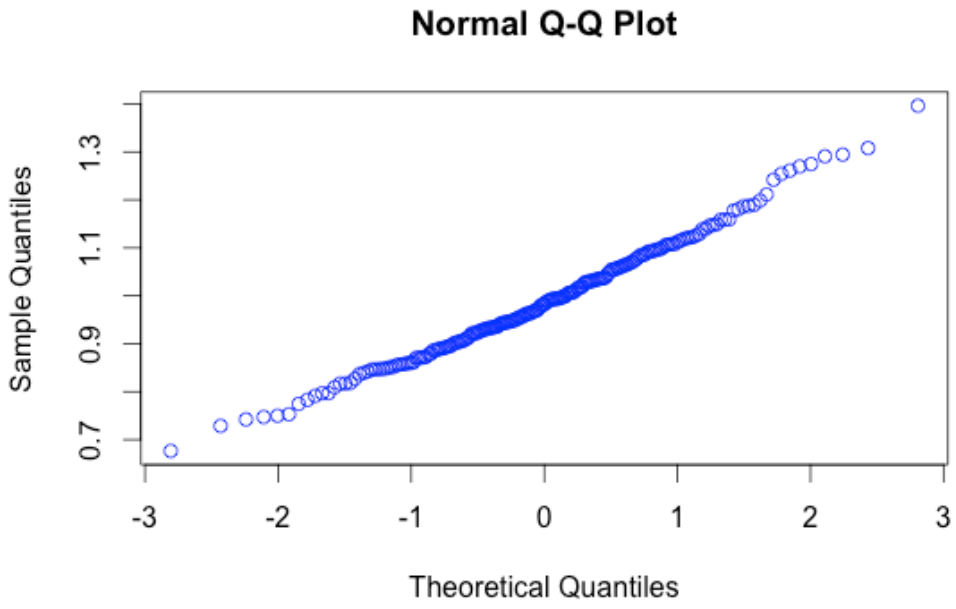




3) Population with Exponential Distribution with lambda = 1

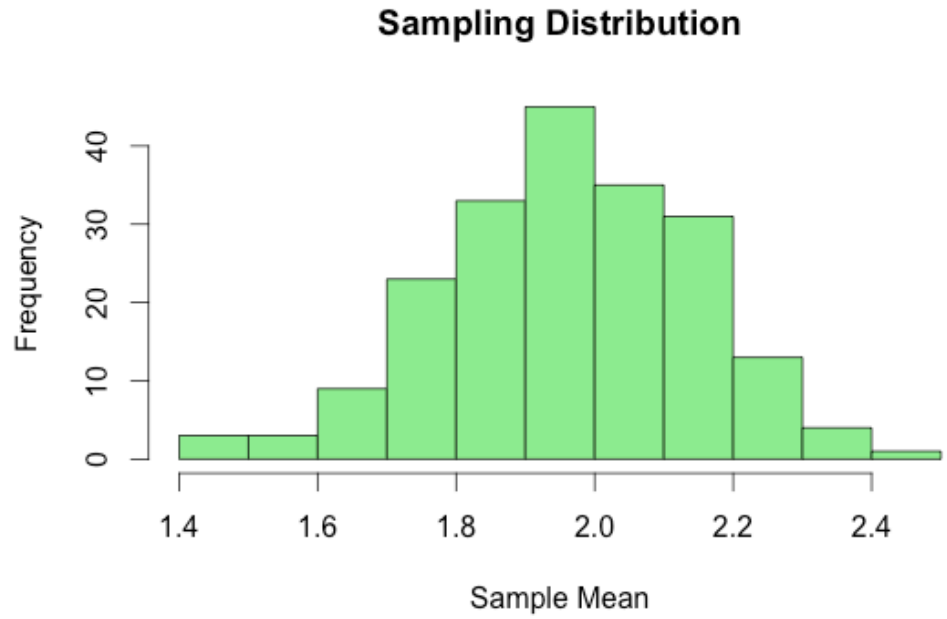
Output
Mean = 0.9902294
SD = 0.1258124

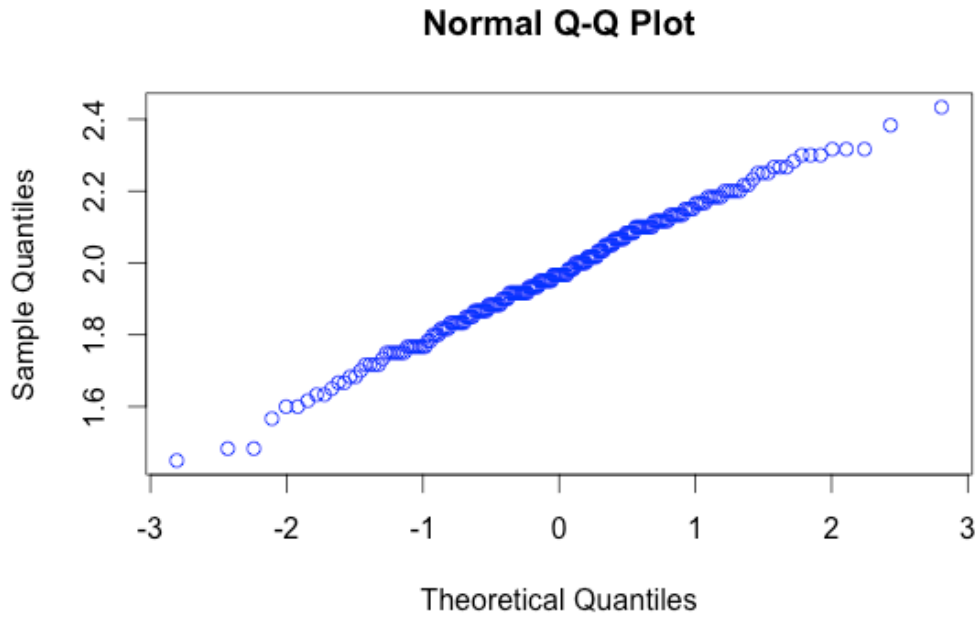




4) Population with Poisson Distribution with lambda = 2

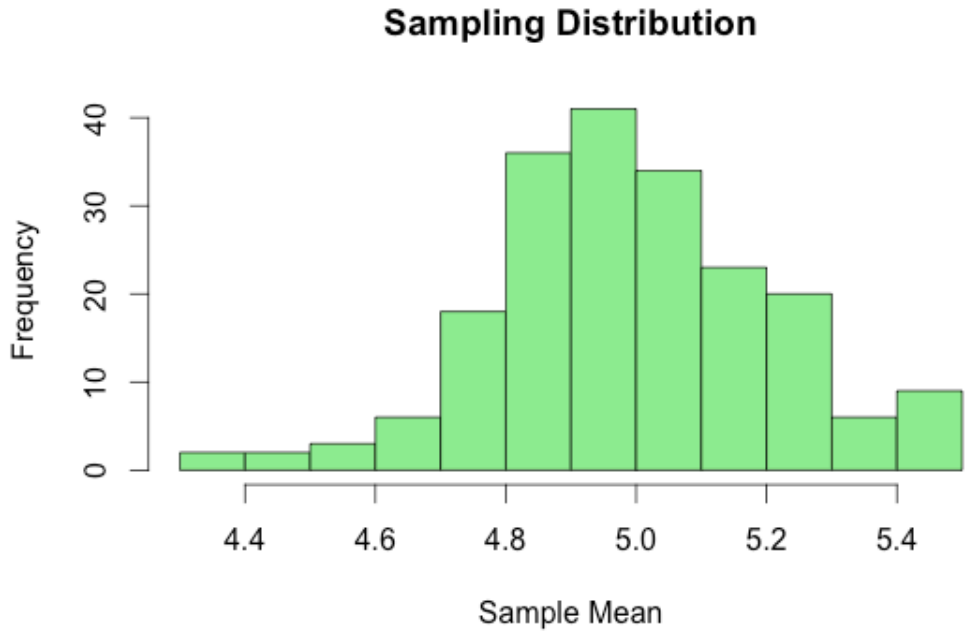
Output
Mean = 1.969917
SD = 0.1857402

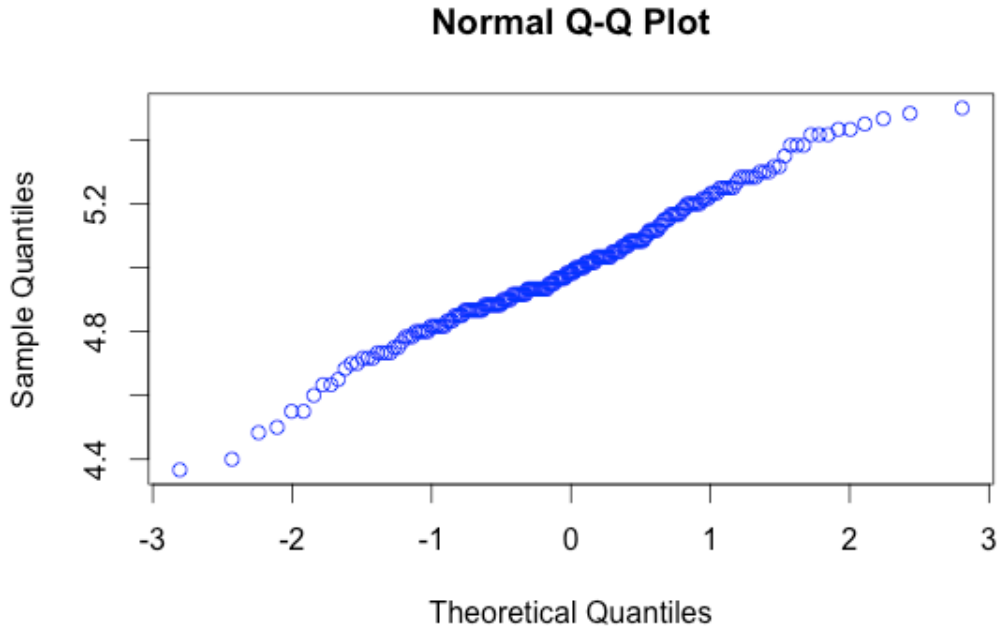




5) Population with Binomial Distribution with trials = 10, probability/trial = 0.5

Output
Mean = 5.000333
SD = 0.2132867





6) Population with Chi-Square Distribution with degrees of freedom = 59

Output
Mean = 58.93663
SD = 1.491939