

Mean for estimated  $p$  for sample size of 200 is 0.30131370721179934  
Standard deviation for estimated  $p$  for sample size of 200 is 0.06555653130355844  
Mean for estimated  $n$  for sample size of 200 is 42.15201292546126  
Standard deviation for estimated  $n$  for sample size of 200 is 11.781120741262642  
Mean for estimated  $p$  for sample size of 800 is 0.3007056519074637  
Standard deviation for estimated  $p$  for sample size of 800 is 0.034665221663608886  
Mean for estimated  $n$  for sample size of 800 is 40.47104920214793  
Standard deviation for estimated  $n$  for sample size of 800 is 4.95224328387648  
Mean for estimated  $p$  for sample size of 3200 is 0.30041729894807284  
Standard deviation for estimated  $p$  for sample size of 3200 is 0.017215539215913664  
Mean for estimated  $n$  for sample size of 3200 is 40.07832872596172  
Standard deviation for estimated  $n$  for sample size of 3200 is 2.307576367880979

