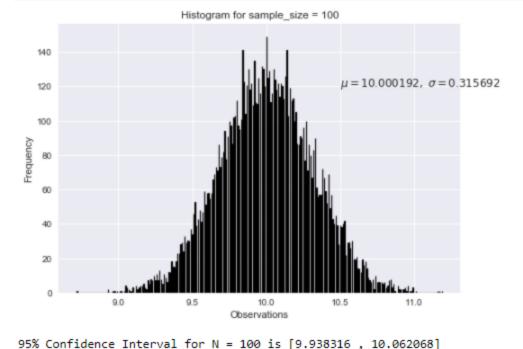
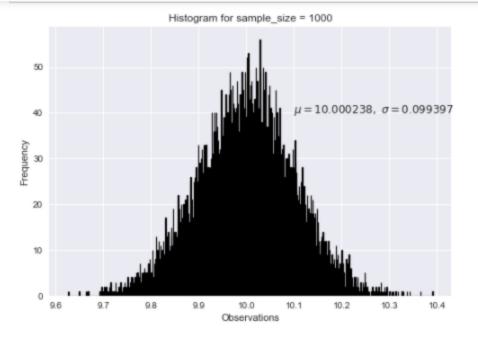


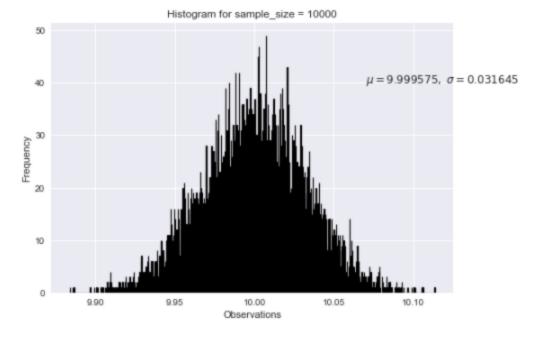
95% Confidence Interval for N = 10 is [9.388478 , 10.599082] 477 times True mean lies out of the 95% Confidence interval Sample Mean lies in the interval [9.99, 10.01] 383 times for sample_size, N = 10 Sample Mean lies in the interval [9.9, 10.1] 1178 times for sample_size, N = 10



471 times True mean lies out of the 95% Confidence interval
Sample Mean lies in the interval [9.99, 10.01] 394 times for sample_size, N = 100
Sample Mean lies in the interval [9.9, 10.1] 2570 times for sample_size, N = 100



95% Confidence Interval for N = 1000 is [9.994077 , 10.006398]
498 times True mean lies out of the 95% Confidence interval
Sample Mean lies in the interval [9.99, 10.01] 881 times for sample_size, N = 1000
Sample Mean lies in the interval [9.9, 10.1] 6893 times for sample_size, N = 1000



95% Confidence Interval for N = 10000 is [9.998954 , 10.000195]
473 times True mean lies out of the 95% Confidence interval
Sample Mean lies in the interval [9.99, 10.01] 2432 times for sample_size, N = 10000
Sample Mean lies in the interval [9.9, 10.1] 9989 times for sample_size, N = 10000