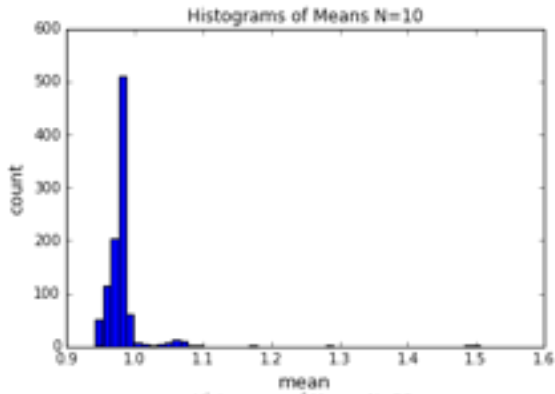


Question 4:



N=10

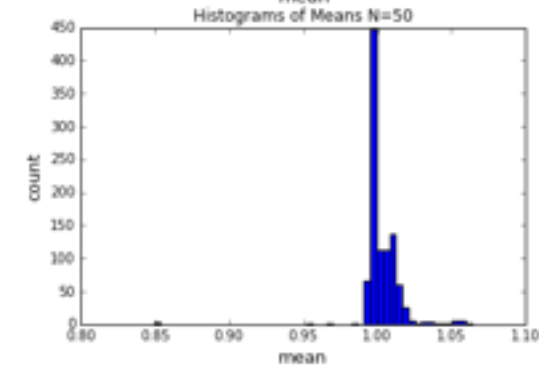
mean :0.980666752016

standard deviation: 0.0326604314666

Number of experiments within 1 sigma: 931

Number of experiments within 2 sigma: 964

Number of experiments within 3 sigma: 993



N=50

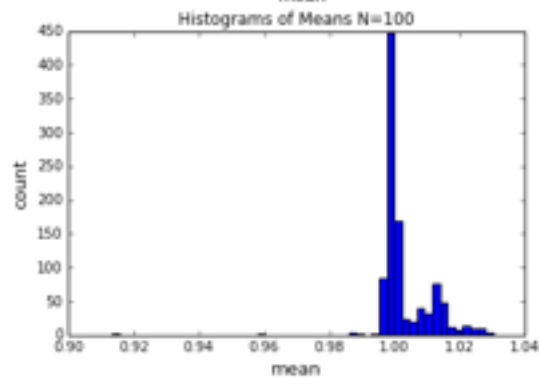
mean :1.00322330781

standard deviation: 0.0120208329751

Number of experiments within 1 sigma: 928

Number of experiments within 2 sigma: 970

Number of experiments within 3 sigma: 980



N=100

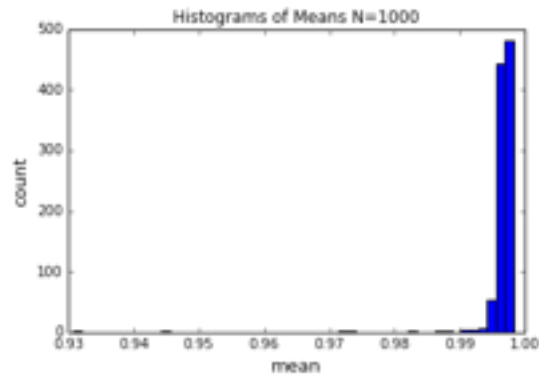
mean :1.00284570038

standard deviation: 0.00779803403721

Number of experiments within 1 sigma: 799

Number of experiments within 2 sigma: 955

Number of experiments within 3 sigma: 988



N=1000

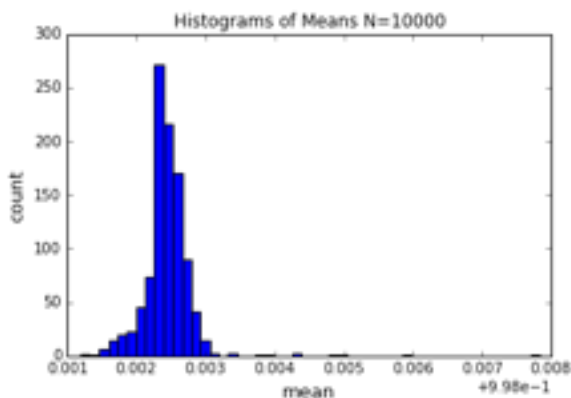
mean :0.996700301988

standard deviation: 0.0031155053156

Number of experiments within 1 sigma: 983

Number of experiments within 2 sigma: 990

Number of experiments within 3 sigma: 994



N=10000

mean :1.00043030173

standard deviation: 0.000366673046101

Number of experiments within 1 sigma: 847

Number of experiments within 2 sigma: 972

Number of experiments within 3 sigma: 991