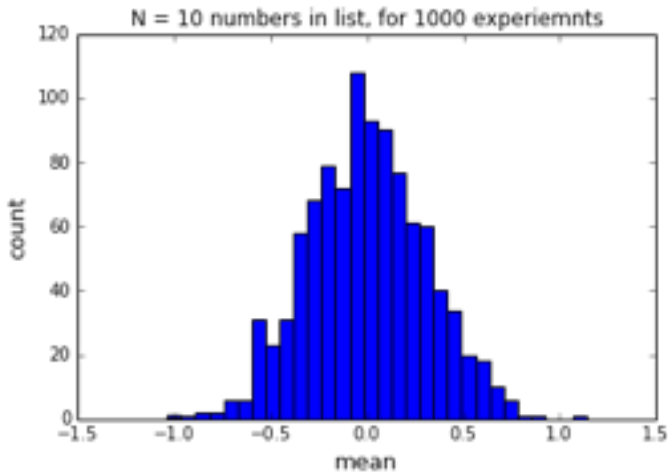
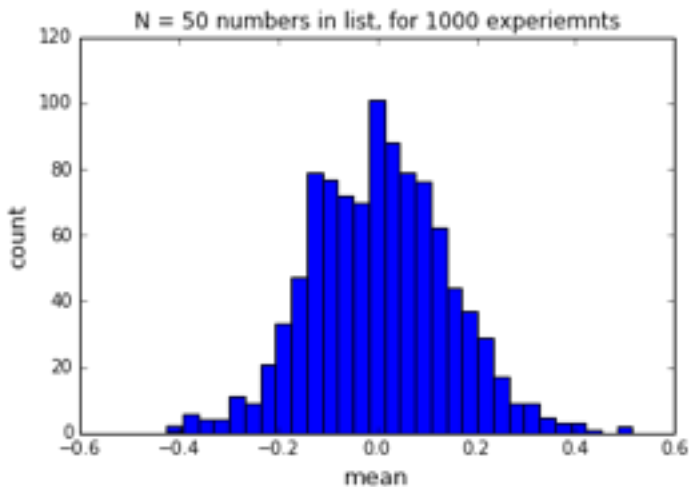


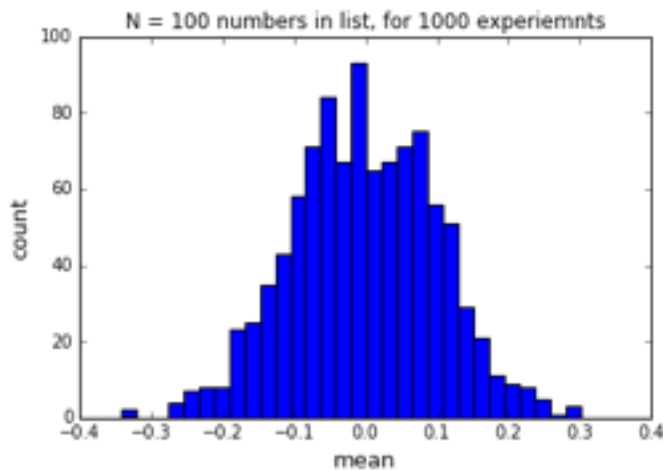
Question 3 :



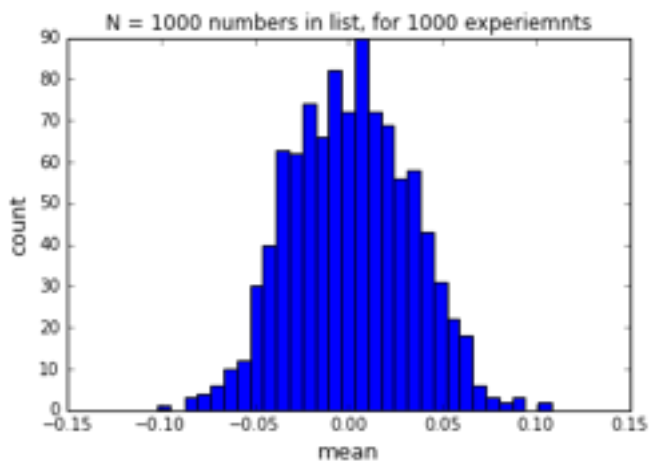
N=10
mean :-0.00948400059966
standard deviation: 0.323160945998
Number of experiments within 1 sigma: 685
Number of experiments within 2 sigma: 954
Number of experiments within 3 sigma: 998



N=50
mean :0.00157182550714
standard deviation: 0.141286741226
Number of experiments within 1 sigma: 671
Number of experiments within 2 sigma: 959
Number of experiments within 3 sigma: 997



N=100
mean :-0.0022772056286
standard deviation: 0.100830644397
Number of experiments within 1 sigma: 693
Number of experiments within 2 sigma: 958
Number of experiments within 3 sigma: 997



N=1000
mean :-0.0016694934232
standard deviation: 0.0323115057255
Number of experiments within 1 sigma: 693
Number of experiments within 2 sigma: 948
Number of experiments within 3 sigma: 1000