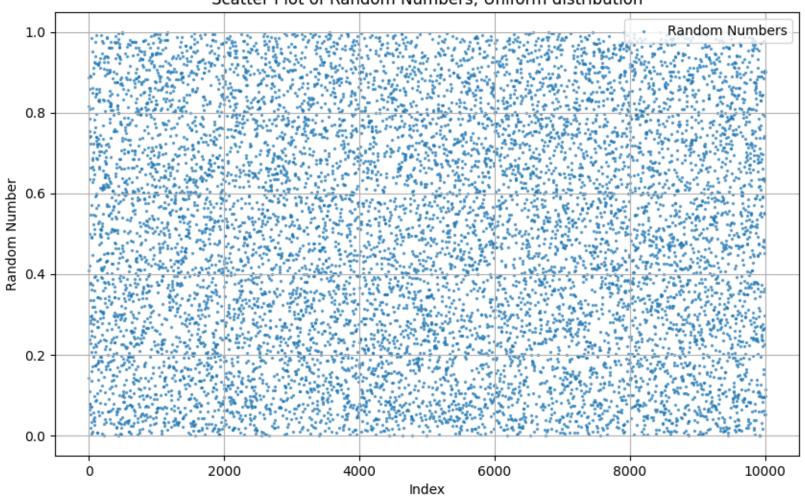
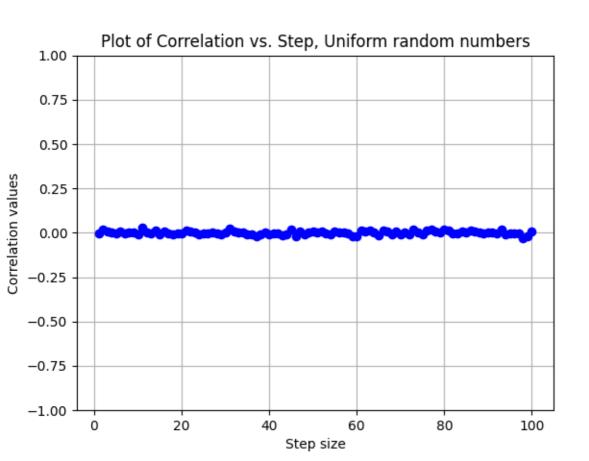
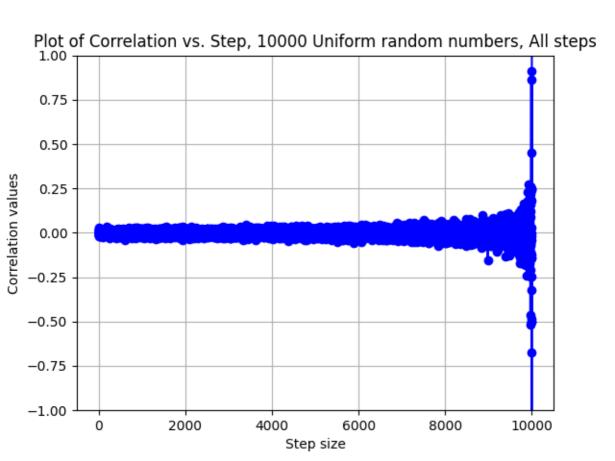
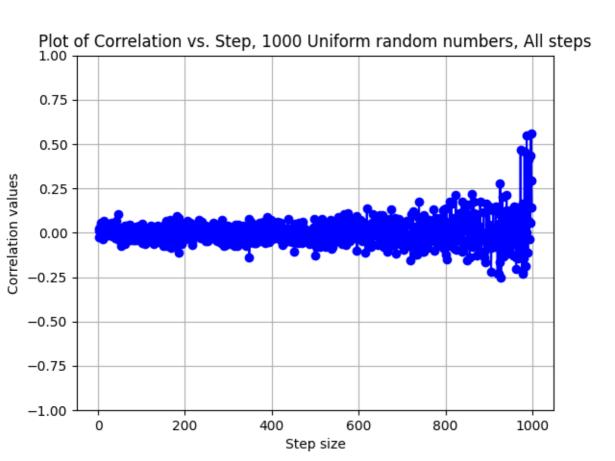


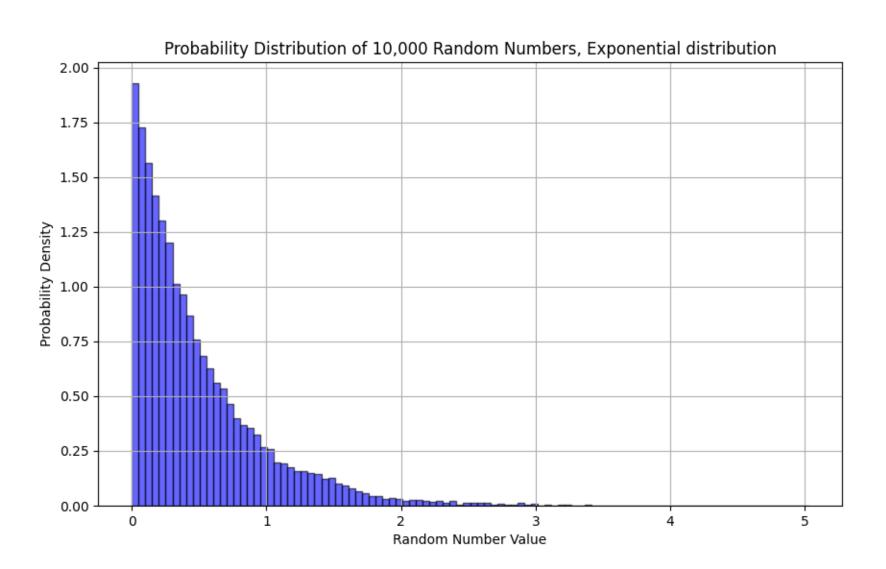
## Scatter Plot of Random Numbers, Uniform distribution



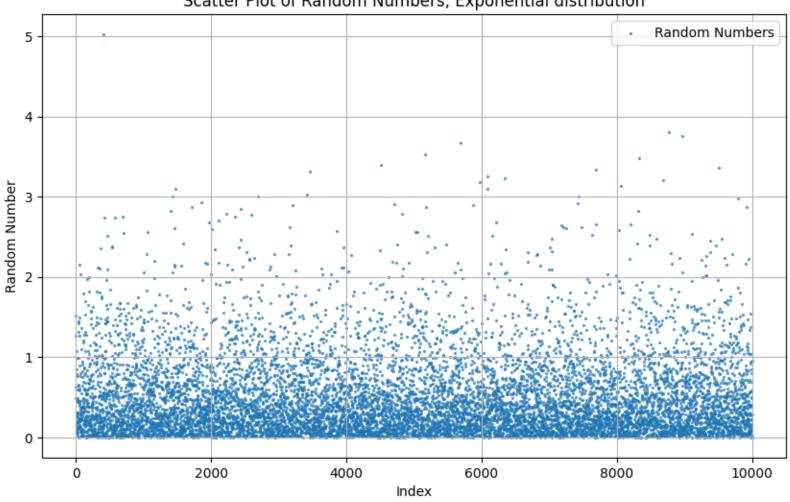


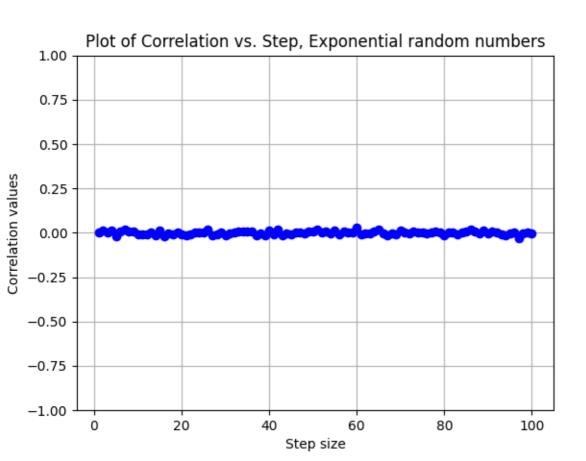




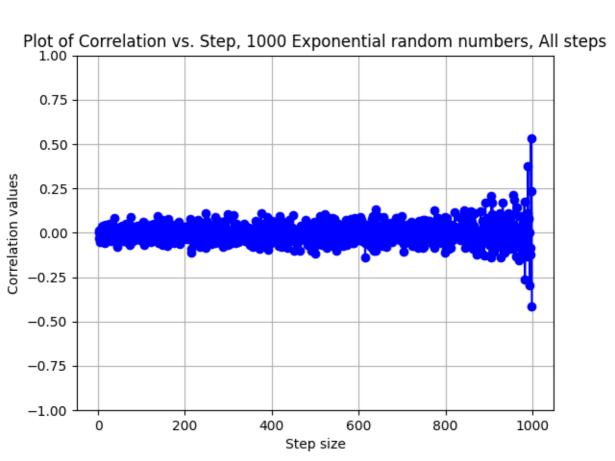


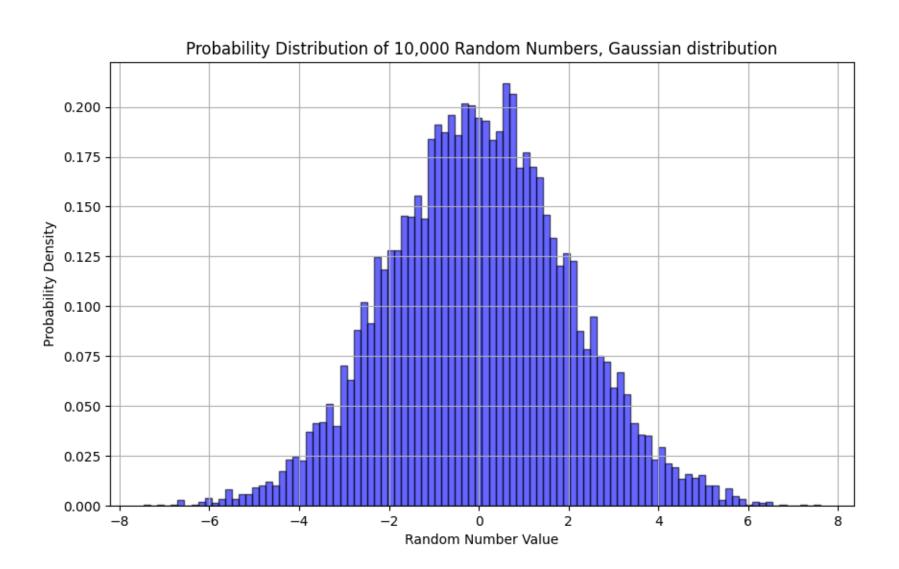
## Scatter Plot of Random Numbers, Exponential distribution



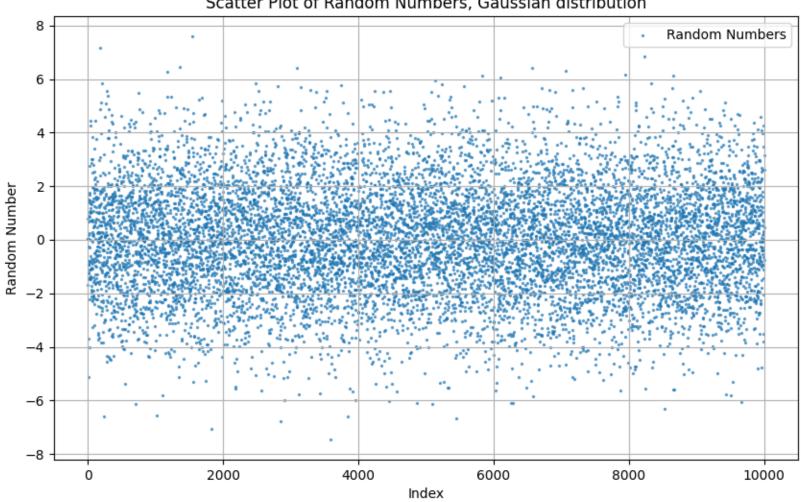


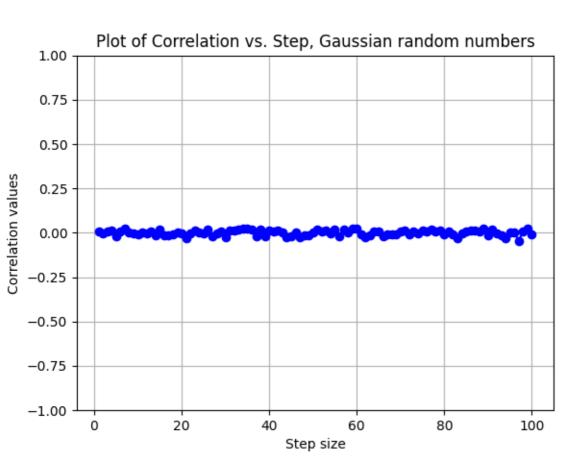
Plot of Correlation vs. Step, 10000 Exponential random numbers, All steps 1.00 0.75 0.50 Correlation values 0.25 0.00 -0.25-0.50-0.75-1.002000 4000 6000 8000 10000 Step size

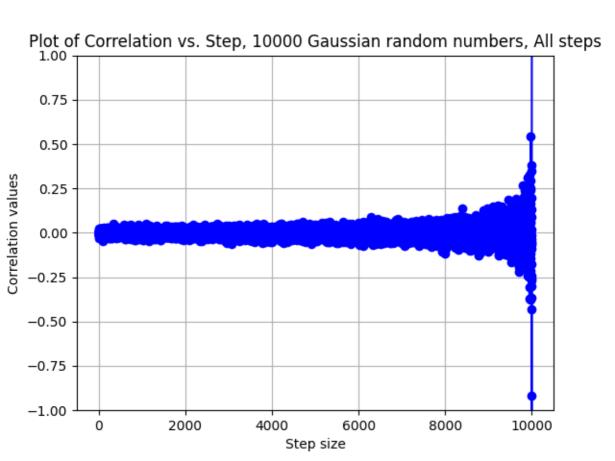


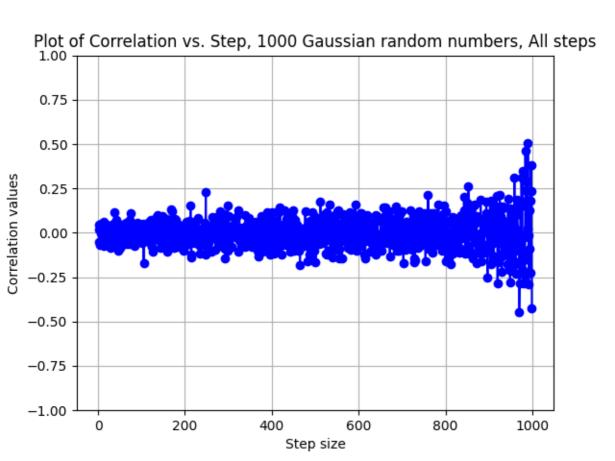


## Scatter Plot of Random Numbers, Gaussian distribution

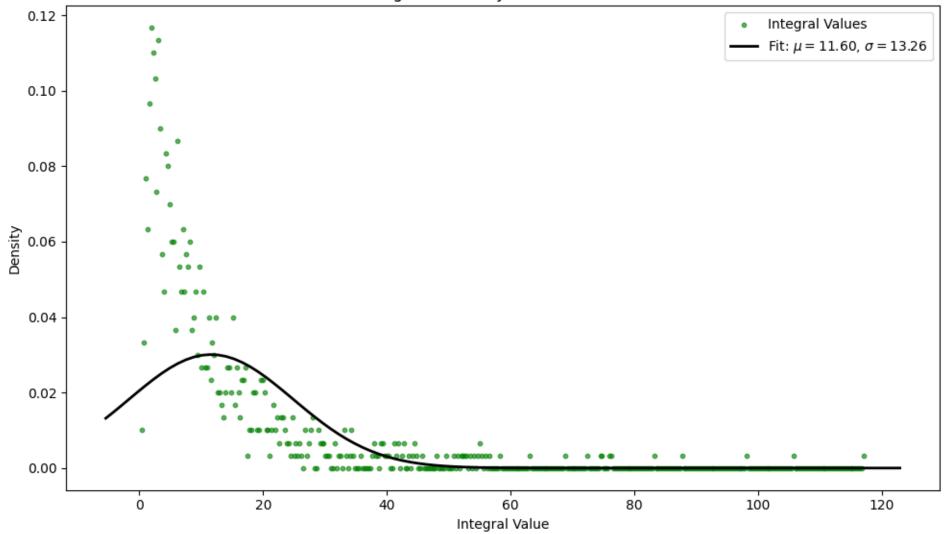






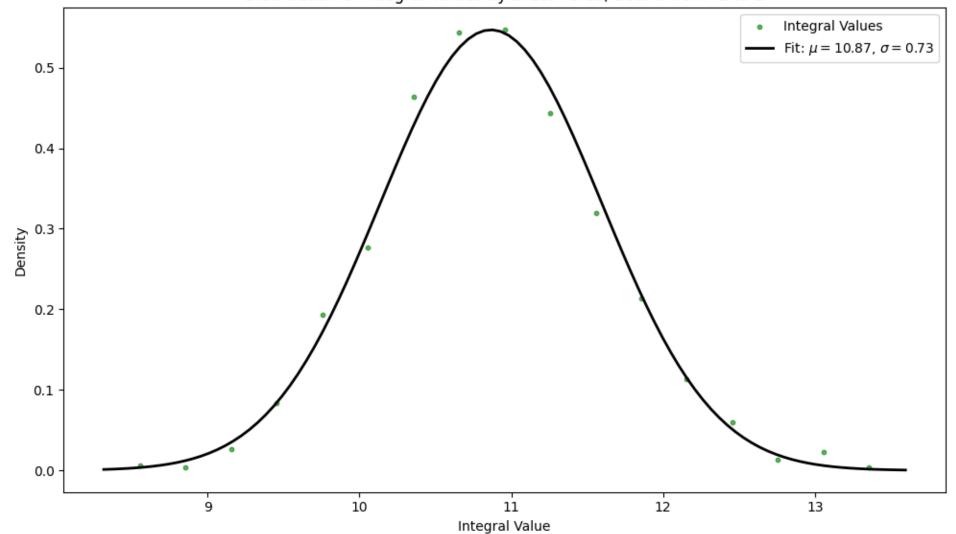


Distribution of Integral Values by Brute Force, Bound from -5 to  $5\,$ 



Distribution of Integral Values by Brute Force, Bound from -8 to 8 1.6 -Integral Values Fit:  $\mu$  = 12.03,  $\sigma$  = 53.14 1.4 1.2 -1.0 Density 80 0.6 -0.4 -0.2 -0.0 14 10 6 12 2 8 Integral Value

Distribution of Integral Values by Brute Force, Bound from -2 to 2



Distribution of Integral Values by Importance Sampling

