

Lab 12

Stat 426

Spring 2021

Instructions

Complete all questions. To prepare for the randomly collected lab, follow the instructions on the class website to prepare the work for submission. These submission rules will apply to all labs throughout the semester.

Probability and simulation

Redo the CLT simulation with the geometric distribution ($p = 0.8$), and again with the exponential distribution ($\sigma = 1$). Each distribution should use samples of size 30 and you should do at least 500 iterations (500 samples each of size 30).

`RAND('GEOMETRIC', p)`

p: probability of success

`RAND('EXPONENTIAL', <sigma>)`

sigma(σ): rate, default $\sigma = 1$