MATH 358/658 Assignment 7 Due March 26.

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- Open 'CI Script.R'. You will modify this R script to answer the following two questions.
 - 1. Simulate 1000 samples of size n=20 from a $N(\mu=10,\sigma=1)$ density, and for each compute the 95% confidence interval for μ . How many of your samples produce a confidence interval which contains the true μ ?
 - 2. Now make a one-sided 90% confidence interval for μ as $(-\infty, c)$ for 1000 simulated samples of size n=20 from a $N(\mu=10, \sigma=1)$ density. How many of these contain the true value $\mu=10$?

Obviously, you will need to modify the existing script to handle all changes related to n, σ , and the number of simulations. When your script functions correctly, save it and e-mail it to me (erhardrj@wfu.edu) so I can verify you've done the problem correctly. An excellent way to verify your script is correct is to save it, close R, re-open R, and simply highlight the entire script and press F5. It should run without error.