

# Statistical Inference: Exponential Distribution

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## **Overview:**

In a few (2-3) sentences explain what is going to be reported on.

## **Simulations:**

Include English explanations of the simulations you ran, with the accompanying R code. Your explanations should make clear what the R code accomplishes.

## **Sample Mean versus Theoretical Mean:**

Include figures with titles. In the figures, highlight the means you are comparing. Include text that explains the figures and what is shown on them, and provides appropriate numbers.

## **Sample Variance versus Theoretical Variance:**

Include figures (output from R) with titles. Highlight the variances you are comparing. Include text that explains your understanding of the differences of the variances.

## **Distribution:**

Via figures and text, explain how one can tell the distribution is approximately normal.

## **References:**