

## 10.5: Confidence Intervals

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### Learning Objectives

- To learn how to compute confidence intervals for various parameters

The next few sections show how to compute confidence intervals for a variety of parameters listed below.

- Confidence Interval for the Mean
- t distribution
- Confidence Interval Simulation
- Confidence Interval for the Difference Between Means
- Confidence Interval for Pearson's Correlation
- Confidence Interval for a Proportion

The "Confidence Interval Simulation" allows you to explore various properties of confidence intervals.

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