

## CHAPTER OVERVIEW

### 7: One-Sample Inference

Now that you have all this information about descriptive statistics and probabilities, it is time to start inferential statistics. There are two branches of inferential statistics: hypothesis testing and confidence intervals.

#### Definition 7.1

**Hypothesis Testing:** making a decision about a parameter(s) based on a statistic(s).

#### Definition 7.2

**Confidence Interval:** estimating a parameter(s) based on a statistic(s).

[7.1: Basics of Hypothesis Testing](#)

[7.2: One-Sample Proportion Test](#)

[7.3: One-Sample Test for the Mean](#)

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