

## CHAPTER OVERVIEW

### 7: Hypothesis Testing with One Sample

One job of a statistician is to make statistical inferences about populations based on samples taken from the population. Confidence intervals are one way to estimate a population parameter. Another way to make a statistical inference is to make a decision about a parameter. For instance, a car dealer advertises that its new small truck gets 35 miles per gallon, on average. A tutoring service claims that its method of tutoring helps 90% of its students get an A or a B. A company says that women managers in their company earn an average of \$60,000 per year.

[7.1: Prelude to Hypothesis Testing](#)

[7.2: Null and Alternative Hypotheses](#)

[7.2E: Null and Alternative Hypotheses \(Exercises\)](#)

[7.3: Outcomes and the Type I and Type II Errors](#)

[7.3E: Outcomes and the Type I and Type II Errors \(Exercises\)](#)

[7.4: Distribution Needed for Hypothesis Testing](#)

[7.4E: Distribution Needed for Hypothesis Testing \(Exercises\)](#)

[7.5: Rare Events, the Sample, Decision and Conclusion](#)

[7.5E: Rare Events, the Sample, Decision and Conclusion \(Exercises\)](#)

[7.6: Additional Information and Full Hypothesis Test Examples](#)

[7.7: Hypothesis Testing of a Single Mean and Single Proportion \(Worksheet\)](#)

[7.8: Test of a Single Variance](#)

[7.8.1: Facts About the Chi-Square Distribution](#)

[7.E: Hypothesis Testing with One Sample \(Exercises\)](#)

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