

# Testing for Differences

### *Chapter Checklist*

*After reading this chapter, you should be able to:*

1. Explain the difference between descriptive and inferential statistics.
  2. Use the four analytical steps to design and evaluate research designs and statistical findings.
  3. Develop a hypothesis or research question and select the appropriate statistical test of difference (chi-square, *t*-test, ANOVA).
  4. Differentiate among the assumptions and functions of chi-squares, *t*-tests, and ANOVAs.
  5. Interpret research findings developed from results of chi-squares, *t*-tests, and ANOVAs.
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