

## **CHAPTER 12: Tests of Goodness of Fit and Independence**

### **Learning Objectives**

After studying this chapter and doing the exercises, you should be able to:

1. Construct and interpret the results of goodness-of-fit tests, using the chi-squared distribution, for several situations:
  - 1.1 A multinomial population with given probabilities
  - 1.2 A test of independence in a two-way contingency table
  - 1.3 A Poisson distribution
  - 1.4 A normal distribution