**Class Activities**

Chapter Eleven: The Chi-Square Test and Measures of Association

Activity #1 (Group or individual)

Bivariate tables are commonly found in the popular media. Ask students to select a newspaper or magazine and find three articles where a bivariate table is provided. Examine how the author(s) explain the figures in these tables. Have students conduct a chi-square test to determine whether or not there is statistical evidence for the author(s)’ conclusions.

Activity #2 (Group)

Have each small group use the steps provided in Chapter Eleven to present a chi-square test to the class. Ask students to locate data from the General Social Survey and prepare an example that will illustrate the steps involved in a chi-square test. Ask students to begin by constructing and examining the descriptive features of a bivariate table and then have them make assumptions to conduct a chi-square test. Have students end with a comprehensive interpretation of the results, including limitations.

Activity #3 (Group or individual)

Provide students with a list of chi-square and degrees of freedom values. Have students determine whether or not the values are statistically significant. This exercise is intended to help students use and master the chi-square appendix in the back of the book.

Activity #4 (Group or individual)

Distribute output tables from SPSS that contain bivariate tables and chi-square values. Have students work in small groups to practice interpreting data and discussing findings.

Activity #5 (Group or individual)

Have students create three kinds of bivariate tables in SPSS: 1) a 2x2 nominal table, 2) a 2x3, 3x3, or 2x4 nominal table, and 3) a 2x3 or 2x4+ ordinal table. Ask students to interpret chi-square, discuss relationships that do or do not exist in the bivariate table, and interpret the various measures of association.