Chapter 21 – Exercise 1
Recode the ratings of the colleges and the interviews (HWJ.sav-COLLEGE and INTVW) such that 1—3 are 1, 4—7 are 2, and 8—10 are 3. Then use chi-square to test whether the two ratings are independent.

Step 1. Start
a. Open SPSS. Open hwj.sav, and recode college as “ncollege” and intvw as “nintvw”.

Step 2. Run Chi Square Test
a. From the SPSS menu bar, click on Analyze – Descriptive Statistics – Crosstabs. You will see the “Crosstabs” dialogue box as shown in Figure B12-a.

b. Move the variable ncollege to the “Row(s)” box, and the variable nintvw to the “Column(s)” box.

c. Click on the Cells button, in the “Crosstabs: Cell Display” dialogue (see Figure B 12-b), under “Counts”, check Observed, and Expected; under “Residuals”, check Unstandardized. Click on Continue button. Now you are back to the main Crosstabs dialogue.

d. Click on Statistics button, in the “Crosstabs: Statistics” dialogue (see figure B12-c), check Chi-square; and then check Phi and Cramer’s V. Click on Continue button.

e. Now you are back to the main Crosstabs dialogue. Click on OK. You will have the results of Chi-Square tests.

Figure B.12. SPSS Chi Squares
Use the same procedures for Exercise 2 and 3.