**Lab Assignment #2: Cross-tabs tables & chi-square; Due September 19th**

Please use these questions to complete the lab assignments. You may copy and paste each assignment and complete the questions with your answers.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Points: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Choose one dependent variable and one independent variable from one of the databases (GSS, MTF, HINTS or PEW). Please choose independent and dependent variables that have no more than 4 possible values (or answers or attributes). Use the codebooks to copy the independent and dependent variable questions asked of respondents and the values.

2. Create a bivariate table and place it on the Microsoft word document. Remember to click on Statistics, Chi-square and Cells, Percentage on the column. NOTE: Each of the cells in your bivariate table should have only one percentage.

3. Write two sentences explaining if you believe there is a relationship between the two variables, using the percentages found in the cells across the independent variable.

4. Create a chi-square table and place it on the Microsoft word document.

5. Next explain how the information in the chi-square table helps you decide whether there is a relationship between the two variables you chose.

6. Repeat questions 1 through 5 above as questions 6 through 10, using variables from one of the other databases from the one you chose for questions 1 through 5.

Language to use when discussing chi-square:

The test of chi-square indicates there is probably (or probably not) a significant relationship because the chi-square value of – is quite large (or small). In addition, the probability of – is less than .05 (or more than .05) which means there is less than 5 chances in 100 (or more than 5 chances in 100) that the percentages found in the bivariate table cells are strictly the result of chance.