

Political Science 5, Boduszynski
Homework Assignment #4
Due on Tuesday, April 13, 2004 in class

Note: You will not be able to complete this homework assignment without first having carefully read Chapters 10, 11, and 12 in the text and attended all lectures.

Part I

Complete, tear out, and turn in all worksheets for Chapters 10, 11, and 12 in your textbook.

Part II

A survey organization recently conducted a random sample of 1000 individuals from the population of American adults. The survey assessed the relationship between religiosity and partisanship. It asked the individuals whether religion is an important part of your life," and asked them if they think of themselves as Democrats, Republicans, or Independents. The results were as follows:

Partisanship	Religion Not Important	Religion Important	<i>Total</i>
Democrat	90	260	350
Independent	85	255	340
Republican	75	235	310
Total	250	750	1000

- a. Perform a chi-square test to assess whether the relationship between religiosity and partisanship is statistically significant. Show your work. Specify what the null hypothesis is, what the chi-square statistic is, and whether or not you can reject the null hypothesis with 95% confidence.
- b. Use the P-R-E procedure described in your text to calculate lambda, and interpret the results.

Part III

Suppose the significance level is .02 for the relationship between political party preference and region. What does this mean?

Part IV

How do you examine the relationship between a nominal variable like race and the amount of money spent on a campaign by a member of the House of Representatives?

Part V

In a few sentences, propose a research project that uses the qualitative comparative case study design.

