

**Assignment 2, due September 27 at 3PM**

Using the General Social Survey 2012 data (gss2012.dta, available from the course website: <http://sarkisian.net/socy2200/datasets.html>), conduct the following analyses and answer the questions below.

Make sure to open a log file before starting (use .log extension). Upon finishing, open your Stata log file in Word, insert graphs into that same file (make sure to export the graphs as .wmf or .png right after generating them), and print the file and submit the printout with this assignment sheet. Please do not submit screenshots or copy/paste from the screen, and please staple all the pages together.

1. Construct a frequency distribution and a bar chart for the variable *satfin*. Fill the blanks based on these data.
  - a. The level of measurement for this variable is \_\_\_\_\_ .
  - b. About \_\_\_\_\_% of people are not at all satisfied with their financial situation.
  - c. The largest percentage of people report that they are \_\_\_\_\_ satisfied with their financial situation.
2. Construct pie charts for the variables *fefam* and *fechld*; include percentage labels. Answer the following questions.
  - a. In these two survey questions, are people more likely to agree that men should work and women should tend home, or that mother working doesn't hurt children?
  - b. Based on these two questions, how would you summarize what people think about women's place in the family and in the job market?

3. Construct a frequency distribution and obtain measures of central tendency (mean, median, mode), variability (range, interquartile range, standard deviation, variance), and skewness and kurtosis to describe the variable *educ*. Also construct a histogram and a boxplot for this variable. Fill the blanks and answer the questions below based on these data.

a. On average, the mean number of years of education people have is \_\_\_\_\_.

The median number of years is \_\_\_\_\_.

The mode for the number of years of education is \_\_\_\_\_.

b. Which measure of central tendency do you think best describes this distribution, and why?

c. The standard deviation for the number of years of education is \_\_\_\_\_. What does this number tell us (in words)?

d. The least common number of years of education in this sample is \_\_\_\_\_.

e. Based on measure of skewness, is this distribution skewed, and if so, is it a positive or negative skew?

f. Based on the kurtosis statistic, is this distribution leptokurtic, platykurtic, or normal?

g. Are there outliers in this variable's distribution, and if so, which observations are those? Which graph best helps us determine that?