

Descriptive Statistics

homework 2

Due 8 March 2013

You will submit two files: one PDF file including all plots and interpretations and one SPSS Syntax file (.sps) with all SPSS commands. This homework will be based on the data set from Homework 1. A properly defined data file will be made available after the Homework 1 has been fully submitted by all students.

1. (5%) Produce a cross-table of turnout by gender. Make sure that the percentages are calculated in the appropriate direction. (5%) What do you conclude about the relation between gender and turnout?
2. (8%) Produce two boxplots next to each other to compare the distribution on Question 7 (on liking the Green Party) between men and women. (8%) What do you conclude?
3. Let us further investigate the relation between attitudes towards the environment and support (liking) for the Green Party.
 - (a) (5%) Compute the variances and standard deviations of these two variables.
 - (b) (10%) Compute the covariances and correlation coefficients of these two variables.
 - (c) (10%) What do you conclude about the relationship between those two variables?
4. We will now look at the relationship between attitudes towards the environment and age.
 - (a) (10%) Produce a scatter plot of attitude towards the environment by age.
 - (b) (10%) Regress attitude towards the environment on age. What do you conclude?
 - (c) (9%) Draw the regression line from the previous question by hand. *If you cannot include this in the electronic document, submit a paper copy for just this plot. Make sure it includes your name!*
5. Finally, we will now look at the relationship between attitudes and party support.
 - (a) (10%) Regress liking the Green Party on attitude towards the environment. What do you conclude?
 - (b) (10%) Regress liking the Green Party on attitude towards immigration. What do you conclude?