

Descriptive Statistics homework 2

Due 1 March 2012

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. (10%) Produce a cross-table of turnout by gender. Make sure that the percentages are calculated in the appropriate direction. (10%) What do you conclude about the relation between gender and turnout?
2. (10%) Produce two boxplots next to each other to compare the distribution on Question 5 (on Irish neutrality) between men and women. (10%) What do you conclude?
3. Let us further investigate the relation between attitudes towards immigration and attitudes towards Irish neutrality.
 - (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 Irish neutrality and subjective knowledge of the EU.
 - (a) (10%) Produce a scatter plot of attitude towards Irish neutrality by subjective knowledge of the EU.
 - (b) (15%) Regress attitude towards Irish neutrality on subjective knowledge of the EU. What do you conclude?
 - (c) (10%) Draw the regression line from the previous question by hand. (Electronic copy not necessary.)