

Quantitative Methods II - Statistics

Assignment - INSTRUCTIONS

Introduction

The ninth round of the European Social Survey, held in 2018, foresees a rotating module about political procedural justice, fairness of income, fairness of educational and job opportunities, fairness of the distribution of resources, attitudes toward normative principles, social closure, belief in a just world.

Data about Europeans people's attitudes towards the national political system and the opportunities offered by the own country are collected by means of a specific questionnaire. The complete questionnaire and the general dataset are available on the ESS web site (<http://www.europeansocialsurvey.org>).

In the attached file (**ESS9_questionnaire_extract.pdf**) you can find an extract from the main questionnaire of the ninth wave of the European Social Survey, reporting two specific sections:

- questions G1, G2 and G3, that can be used to obtain an additive index as a measure of respondent's perceived level of functioning of the national political system;
- questions from G4 to G7, that can be used to obtain an additive index as a measure of the respondent's perceived level of opportunities offered by the own country.

Assignment

You are asked to focus on attitudes of people about the previous issues and to develop an analysis. The aim is to explore whether and how the individual's perceived level of opportunities depends on the individual's perceived level of functioning of the political system, controlling for main variables such as gender, age, education and the fact that the person come from a **specific country (that must be choose according to the table in the following paragraph "Operative instructions")** or the rest of Europe.

Write a brief report presenting the main results of your analysis.

Suggestions

Feel free to organize your work as you prefer; anyway, considering past experience, we suggest you to plan your work in two working phases, as follow:

- in the first phase, manage data (remember in particular to create the dummy variable for your specific country of interest, by referring to the table in the following paragraph "Operative instructions") and create the two additive indexes mentioned above, run the main descriptive statistics and inference on the association (refer to Part 1, Part 2, Part 3 of the course) .
- in the second phase, choose and run an appropriate multiple linear regression model, regressing the perceived level of opportunities on the perceived level of functioning of the political system, controlling for main variables such as gender, age, education, country (the fact that the person come from a specific country rather than the rest of Europe) and eventually others that you consider as relevant (refer to Part 4 of the course).

Pay attention to set the length of the report coherently with the available time.

Eventually and optionally, remember that you can express the additive indexes on a scale from 0 to 10 or from 0 to 100 with a proper transformation, otherwise pay attention to the scale of your indexes when interpreting the results.

Operative instructions

1. Download and use the Stata dataset that you find in the folder “**Datasets**” posted on blackboard,
2. Consider the country you have to focus on (to obtain the variable about the fact that the persons come from a specific country, and comparing the attitudes of these persons with those of the rest of the European people):

<i>Group number</i>		<i>Specific country (Code and Name)</i>
1	16	AT - Austria
2	17	BE - Belgium
3	18	BG – Bulgaria
4	19	CH – Switzerland
5	20	DE – Germany
6	21	EE – Estonia
7	22	FI – Finland
8	23	FR – France
9	24	GB – Great Britain
10	25	HU – Hungary
11	26	IE – Ireland
12	27	IT – Italy
13	28	NL – Holland
14	29	PL – Poland
15	30	RS - Serbia

3. Run the analysis and draft the report.
4. Create a PDF version of your report.
5. Upload the file of your report on blackboard.
6. Submit the assignment by the due date.