Basics in Stata

Tutorial for Undergraduate Students

Summer Term 2016

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Exercise II

In folder "exercise_2" you find two raw datasets from experiments, data from a questionnaire and the exercise sheet. Your task is to create a Do-file that extracts the data for **part 2** of the experiment from the raw dataset, merge it with the questionnaire data and to bring it into a format that we can use for regression analysis in *Exercise 3*. You can follow the steps outlined below.

Step-by-Step

1. Create a folder to store your initial data. (Remember: **Don't touch the raw data.**)
2. Create a folder to store your temporary files. (You will create several intermediary files before you produce the final file.)
3. Create a folder to store your finished dataset.
4. Import one of the datasets. (Do NOT import the column names.)
5. Familiarize yourself with the structure of the data file.
6. Remove everything that is NOT in part 2. (Second variable contains the part number.)
7. Remove everything that is NOT game data (Important data is only stored in 'subjects'.)

   You are now left with the data and the titles for each period.
8. Remove the period headers for all but the first period. (*Hint:* Row numbers in the data matrix can be addressed using `underscore n`.)
9. Replace [in the period header by an underscore and remove]. (Stata dislikes brackets in titles.)
10. Save the dataset to your temporary files directory as a CSV **WITHOUT** storing the variable names.
11. Load the dataset from your temporary files folder **WITH** the variable names.
12. Rename variable `v2` to `part`.
13. Create a variable `session` that contains the value **1** or **2** depending on the dataset you started with.
14. Create a variable `sid` (subject id) that uniquely identifies the subject in all the data. (*Hint:* `session` $\times$ 100 + `subject`.)
15. Store the dataset to your temporary files in a stata binary dataset (*.dta).
16. Repeat everything for the second dataset.
17. Join dataset 1 and 2 vertically.

18. Join the questionnaire data horizontally.

19. Rename the variable `input` to `contribution`.

20. Store to dataset to your folder for finished datasets.