Basics in Stata

Tutorial for Undergraduate Students

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Exercise I

In folder "exercise_1" you find the dataset *stata-tut.dta* and the Stata script file *stata-tut.do*. Complete the *Do-file* and perform the following tasks. The stata-tut.do file contains hints and starting points. You can use any means of research to complete the task. The list below gives you an outline of what you have to do.

Step-by-Step

1. Adapt the header of the Sata script file to clarify 'the author', 'when it was made' and 'what it is for'.
2. Load the dataset into Stata.
3. Make yourself familiar with the dataset. Document what you find.
4. Turn the variable exp into a factor variable with `0` representing `never` and ascending to the most frequent, represented by `4`.
5. Label the variable `exp`.
6. Label the values of the factor variable `exp` according to the previous strings.
7. Remove unused variables that contain only strings.
8. Make appropriate graphs to show distributions for the unconditional contributions in the C-game (treatment 51) and the P-game (treatment 31). (*Hint:* `hist`)
9. Plot the conditional contributions in relation to the mean contribution of others conditional on the player's contribution type.
10. Perform the appropriate (non-)parametric test to investigate whether the unconditional contribution in the C- and the P-game are significantly different from each other. Explain your choice for the test.
11. Variables `t_cell51` and `t_con1_inv31` contain type classifications. Are these two categories related?
12. Estimate the impact of `gender`, `age`, `impulsive`, `justice` on *unconditional contribution* in the C-game.