

Stata crash and intermediate course

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Place: LIAM

Date: February 6, 8 and 10, 2023, from 10am-2pm

Hours: 12 hours

This course is conceived as an introduction to the statistical software STATA. The course assumes no previous knowledge on the programme or in other statistical packages. While it is not strictly necessary previous knowledge on statistics, the course will deal with statistical issues and therefore some understanding is appreciated (particularly for the penultimate class). In the course we will cover some basic statistical issues, but unfortunately we will not be able to deep on them.

This course will consist in three 4-hour sessions. During the first session we will cover introductory issues in statistical software, while in the second section we will deal with descriptive statistics. In the third session we will work with bivariate statistics and, if time allows it, multivariate models. While students with no knowledge at all on STATA are encouraged to attend the course from the very first day, those with some previous knowledge on the software may choose to come in subsequent days, depending on their learning preferences.

Schedule*

1st Session: Introduction (6 February)

1. The Stata interface
2. Document types (.dta, .do, .gph)
3. How to use the do-file
4. Types of variables
5. Import data (csv, excel, SPSS...)
6. Conversion of variables

2nd Session: Descriptive statistics (8 February)

1. Descriptives and frequencies
2. Install external packages
3. Variable recodification
4. Label variables and values
5. Histograms and graph edition

3rd Session: Bivariate statistics and multivariate models (10 February)

1. Contingency tables
2. Correlations
3. Scatterplots
4. T-Tests
5. Filters and sample splitting
6. OLS regression models
7. Output tables (estout)
8. Predicted values

*This schedule may change depending on the needs of the class. It is unlikely that in the last day we will be able to cover all the topics scheduled, but course materials will be provided by all these topics, irrespective of whether we can cover them or not.