



BANCO DE PORTUGAL
EUROSISTEMA

ACADEMIA
BANCO DE PORTUGAL

Introduction to Stata

Lisbon, January 28-30, 2019 3 days Course

Day 1 | 28th January (Paulo Guimarães)

10h00 – 13h00

1. General overview of Stata:

Menus and Dialogs, Command and Review Window, Data Editor, Dofile Editor, Stata syntax, Help

2. Basic Data Manipulation:

Using and saving data, creating and manipulating variables, modifying data, labels, functions, sorting

13h00 – 14 h00 – Lunch

14 h00 – 17 h00

3. Advanced Data topics:

Indices, prefix commands, egen functions, working with strings and dates, categorical/factor variables, missing values

4. Importing and Exporting Data:

Reading and writing ascii, excel, odbc



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Day 2 | 29th January (Paulo Guimarães / Miguel Portela)

10h00 – 13h00

5. Advanced Manipulation of Datasets:

Merging, appending, reshaping, transposing

6. Basic Data Analysis:

Descriptive statistics, tables, histograms, linear regression

13h00 – 14h00 – *Lunch*

14h00 – 17h00

7. Creating graphics with Stata:

Simple graphics, formatting, schemes, exporting and editing

8. Basics of Programming:

Macros, looping, do and ado files, external files

Day 3 | 30th January (Miguel Portela)

10h00 – 13h00

9. Exporting Output Results (Tables and Graphs): Excel, Word, PDF, Latex

10. Creating and modifying files from within Stata: Excel, Word

13h00 – 14h00 – *Lunch*

14h00 – 17h00

11. Literate Programming with Stata:

Markdown/Pandoc

Markstat: Outputting to HTML/Word/PDF/Latex/Beamer

12. Automating the Production of Papers and Reports: Examples