



BANCO DE PORTUGAL  
EUROSISTEMA

# Introduction to Stata

**Lisbon, February 04-06, 2019**

**3 days Course**

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## Day 1

**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 – 14h00 – 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

## Day 2

**10h00 – 13h00**

### **5. Advanced Manipulation of Datasets:**

Merging, appending, reshaping, transposing

### **6. Basic Data Analysis:**

Descriptive statistics, tables, histograms, linear regression

**13h00 – 14h00 – Lunch**



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**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**

**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**