

GENERAL DESCRIPTION

“Stata in just one day” is a reduced version of our “Up and Running in Stata” course. The course covers everything from the very basics, in order to get one up and running in Stata, through to an overview of the Stata commands available for preliminary data analysis, data management, importing and exporting data formats and the creation of graphs in Stata.

In contrast to our Up and Running in Stata course however, it does not include specific applied Lab based exercises at the end of each individual session.

TARGET AUDIENCE

This course is invaluable to both professionals and researchers (working for example, in Biostatistics, Economics, Epidemiology, Social and Political Sciences and Statistics), wishing to use Stata for applied statistical analysis, data management or data visualization.

COURSE REQUISITES

Familiarity with PCs and a working knowledge of English. Participants with previous experience of other statistical software will benefit enormously from this course.

PROGRAM

SESSION I: INTRODUCTION - GETTING STARTED

1. Stata's GUI
2. File types in Stata
3. Working interactively in Stata
4. Saving output: the log file
5. Interrupting Stata
6. Loading Stata databases
7. The Log Output File
8. Saving databases in Stata
9. Exiting the software

SESSION II: PRELIMINARY DATA ANALYSIS

1. A preliminary look at the data: *describe*, *summarize* commands
2. Abbreviations in Stata
3. Stata's syntax
4. Summary statistics
5. Statistical Tables: *table*, *tabstat* and *tabulate* commands

SESSION III: DATA MANAGEMENT

1. Renaming variables
2. Selecting or eliminating variables
3. The *count* command
4. *sort* command
5. Creating sub-groups: the prefix *by*
6. Creating new variables: *generate*
7. Operators in Stata
8. The command *assert*
9. Missing values in Stata
10. Modifying variables: *replace*, *recode*
11. Creating Labels: variable labels and value labels
12. Creating dummy variables

SESSION IV: IMPORTING DATA FROM SPREADSHEETS

1. *Import Excel* and *Export Excel* commands
2. The *insheet* and *outsheet* commands
3. Reading in Text Data Files
4. Issues to watch out for when importing data
 - Missing values
 - String variables
 - Date variables
5. Redefining missing values
6. *destring* command
7. *tostring* command
8. dealing with “messy” strings

SESSION V: GRAPHICS – A BRIEF INTRODUCTION

1. Stata's syntax for two way graphs
2. Saving and exporting graphs
3. Useful *graph* commands
4. Personalizing a graph
5. Stata's Graph Editor

APPENDIX A

1. Merging data bases
2. *do* files

APPENDIX B: MORE ADVANCED ISSUES (*time permitting*)

1. *do* files
2. Merging data bases
3. *e-class* and *r-class* variables
4. *collapse* command
5. *preserve* command
6. *restore* command

USEFUL TEXTS

- A Gentle Introduction to Stata, 6th Ed., Alan Acock (2018) Stata Press
- Data Analysis Using Stata, 3rd Ed., Ulrich Kohler, Frauke Kreuter (2012) Stata Press
- Data Management Using Stata: A Practical Handbook, 2nd Ed., Michael N. Mitchell, (2020) Stata Press
- The Workflow of Data Analysis Using Stata, J. Scott Long (2009) Stata Press

DATES AND LOCATION

Due to the current COVID-19 situation, the 2020 edition of this Training Course will now be offered **ONLINE**, on a part-

time basis on the 26th – 27th October 2020. To this end, this year's programme has been transformed into a series of modules based on 2 sessions from 10.00 am to 1.30 pm Central European Summer Time (CEST).

REGISTRATION FEES

- Full-time Students*: € 355.00
- Academic: € 504.00
- Commercial: € 590.00

*To be eligible for student prices, participants must provide proof of their **full-time** student status for the current academic year.

Fees are subject to VAT (applied at the current Italian rate of 22%). Under current EU fiscal regulations, VAT will not however applied to companies, Institutions or Universities providing a valid tax registration number.

The number of participants is limited to 8. Places, will be allocated on a first come, first serve basis. The course will be officially confirmed, when at least 5 individuals are enrolled.

Course fees cover: i) teaching materials (copies of lecture slides, databases and Stata routines used during the course; ii) a temporary licence of Stata valid for 30 days from the day before the beginning of the course.

Individuals interested in attending the training course, must return their completed registration forms to TStat by the **16th October 2020**.

Further details regarding our registration procedures, including our commercial terms and conditions, can be found at <https://www.tstattraining.eu/training/stata-just-one-day-ol/>.

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