

# MIGRATING TO STATA PAINLESSLY!

## GENERAL DESCRIPTION

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“Migrating to Stata Painlessly!” 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. Despite this, participants are able to replicate in real time the commands being illustrated by the course leader using the data bases provided at the beginning of the course.

## TARGET AUDIENCE

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This course has been specifically designed for researchers wishing to migrate to Stata from other statistical packages or simply needing to refresh their existing Stata skills. Experience has shown us that individuals without any previous experience of other statistical software packages are likely to find the course somewhat too intensive and would benefit far more from attending our Up and Running in Stata, which offers an applied exercise component at the end of each session during which participants have the opportunity to implement the concepts/techniques discussed in the sessions under the watchful eye of the course tutor.

## COURSE REQUISITES

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Working knowledge of other statistical software packages such as R, SPSS or SAS, together with Familiarity with PCs and a working knowledge of English is also required.

## PROGRAM

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### 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 ongoing Public Health situation, the 2022 edition of this training course will be offered **ONLINE** on a part-time basis. The course program has therefore been restructured into two modules which will be offered on the 28th-29th of November from 10:00 am to 1:30 pm Central European Time (CET).

## REGISTRATION FEES

- Full-time Students\*: € 355.00
- Ph.D. Students: € 455.00
- Academic: € 505.00
- Commercial: € 590.00

\*To be eligible for student prices, participants must provide proof of their **full-time** student status for the current academic year. Our standard policy is to provide all **full-time students**, be they Undergraduates or Masters students, access to student participation rates. Part-time master and doctoral students who are also currently employed will however, be allocated academic status.

Fees are subject to VAT (applied at the current Italian rate of 22%). Under current EU fiscal regulations, VAT will not however be 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 **18th November 2022**.

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

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