

# Introduction to STATA

Jordi Gumà<sup>1</sup> and Diederik Boertien<sup>2</sup>

<sup>1</sup>Research and Expertise Centre for Survey Methodology

<sup>2</sup>Centre d'Estudis Demogràfics

## Course description

This course is a very first introduction to Stata, one of the most powerful statistical software that allows conducting quantitative analyses and that is very popular among social scientists. This course is completely applied and students will use the software from the very beginning. They will learn how to carry out the three necessary basic steps of data management (getting data from external sources, preparing this for analysis, and getting first exploratory results) previous to subsequent advanced analysis.

## Software

STATA

## Prerequisites

This course is a very first introduction to the software Stata and thus no previous knowledge of Stata is required. Attendance is recommended to those who plan to attend to subsequent courses which statistical program will be STATA within the frame of the RECSM Summer School.

## Schedule

27<sup>th</sup> of June / 4<sup>th</sup> of July

Time	Topic
9:00-10:50	Introduction to STATA. Getting external data with STATA and labeling (variables and values). Describing datasets
10:50-11:10	Break
11:10-13:00	Describing variables. Defining missing values and creating new variables with STATA (1)
13:00-14:00	Lunch time
14:00-15:50	Creating new variables with STATA (2). Case's selection. Adding cases and variables to a dataset
15:50-16:10	Break
16:10-18:00	Reshaping datasets. Exploring relationships between variables. Brief introduction to STATA graphs

## References

Course largely based on:

- Acocks (2014). A Gentle Introduction to Stata. Stata Press.
- Kohler and Kreuter (2005). Data Analysis using Stata. Stata Press.
- Long (2008). The Workflow of Data Analysis using STATA. Stata Press.
- Mitchell (2010). Data Management Using Stata: A Practical Handbook. Stata Press.

## Short bio

### Jordi Gumà

Jordi Gumà is PhD in Demography from the Universitat Autònoma de Barcelona (UAB) since 2014. Jordi carried out his entire pre-doctoral trajectory as a member of the staff of the Centre d'Estudis Demogràfics (CED), attending to the European Doctoral School of Demography (EDSD) in the academic year 2010-11 which was held between the Max Planck Institute for Demographic Research (MPIDR) (Germany) and the University of Lund. His main research interests lie on the study of family as a social determinant of health at different levels.

### Diederik Boertien



Diederik Boertien is a sociologist currently working at the Centre d'Estudis Demogràfics in Barcelona. He obtained his PhD in 2013 at Universitat Pompeu Fabra, and has been a Max Weber and Research Fellow at the European University Institute in Florence (2013-2016). His main research interests lie on the intersection of family demography and the study of social stratification.