Introduction to STATA

Week 1 (Introductory course)

Duration: 8 hours/2 days

Course Description

This course is the 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 the 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.

Class Schedule

Day 1

• Introduction to STATA. Getting external data with STATA and labeling (variables and values). Describing datasets

• Describing variables. Defining missing values and creating new variables with STATA (1)

Day 2

• Creating new variables with STATA (2). Case's selection. Adding cases and variables to a dataset

• Reshaping datasets. Exploring relationships between variables. A brief introduction to STATA graphs

• Initial bivariate and multivariate analysis

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 biography

Jordi Gumà is researcher at the Centre for Demographic Studies of Barcelona, Spain. He holds a Ph.D. in Demography from the Autonomous University of Barcelona (Spain) and was previously a researcher at the Umeå University (Sweden), and Pompeu Fabra University (Spain). His research is contextualized within the framework of the sociology of health. Jordi is a specialist in health inequalities from a gender perspective. His work has been published in journals such as Social Science&Medicine-Population Health, Social Indicators Research, BMC Public Health, and Aging&Mental Health, among others.