

Introduction to Stata

Week 1 (Introductory course)

Duration: 8 hours

Format: In person and online

Instructor: Josep Maria Comellas

Course description:

This course is a brief 8-hour introduction to Stata, a powerful statistical software that allows for quantitative analysis and is very popular among social scientists. The goal of the course is to provide participants with the necessary basic knowledge of Stata to be able to use it successfully in their analysis.

This course will mainly offer practical sessions. Participants will learn how to obtain data from external sources, handle data files, transform and visualize data, perform descriptive analyses, and ultimately carry out more advanced bivariate and multivariate analyses.

The course is highly recommended to those who plan to attend to subsequent RECSM Summer School courses which statistical program will be Stata and feel that they need to refresh their skills in this software.

Learning schedule:

Day 1	9:00 – 11:00	Introduction to the software. Getting external data with Stata. Describing datasets and variables. Renaming. Labeling (variables and values). Defining missing values.
	11:00-11:20	Break
	11:20-13:00	Creating new variables. Recoding. Deleting variables. Cases' selection. Adding cases and variables to a dataset.
Day 2	9:00-11:00	Exploring data. Descriptive statistics. Basic loops. A brief introduction to Stata graph.
	11:00-11:20	Break
	11:20-13:00	Bivariate analysis. Multivariate analysis.

Prerequisites:

No prerequisites

Software:

Stata

Readings:

Some basic general references and resources are as follows:

Acocks, A. C. (2023). *A Gentle Introduction to Stata*. Revised sixth edition, Stata Press.

Internet Guide to Stata. Wolfgang Ludwig-Mayerhofer, Universität Siegen, Germany. Available online at: <http://wlm.userweb.mwn.de/Stata/>.

Resources to help you learn and use Stata, UCLA Institute for Digital Research and Education (IDRE), USA. Available online at: <https://stats.oarc.ucla.edu/stata/>.

Stata base reference manual. Release 18, Stata Press. Available online at:
<https://www.stata.com/manuals/r.pdf>.



Instructor short bio:

Josep M. Comellas is a Margarita Salas postdoctoral fellow in the ‘Democracy, Elections and Citizenship’ (DEC) research group of the Universitat Autònoma de Barcelona (UAB). Josep has a PhD in Political and Social Sciences from the Universitat Pompeu Fabra (UPF). His main research interests lie in the study of the causes and consequences of affective and ideological polarization and, more recently, the link between emotions and political attitudes and behaviors. Josep works with a quantitative methodological approach.