

Introduction to Stata

Week 1 (Introductory course)

Duration: 8 hours

Format: In person and online

Instructor: Enrique Hernández

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 import 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. Basic operators. Describing datasets and variables. Renaming. Defining missing values.
-------	--------------	--

	11:00-11:20	Break
	11:20-13:00	Creating new variables. Recoding. Deleting variables. Labeling (variables and values). Adding cases and variables to a dataset.
Day 2	9:00-11:00	Exploring data. Descriptive statistics. A brief introduction to Stata graph. Basic loops.
	11:00-11:20	Break
	11:20-13:00	Bivariate analysis. Multivariate analysis. Plotting results.

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:



Enrique Hernández is an Associate Professor and ICREA Acadèmia fellow at the Department of Political Science of the Autonomous University of Barcelona. Enrique's main research interests are in political attitudes, public opinion, and electoral behavior. Enrique leads the DEMOTRADEOFF project, which examines the trade-offs of democracy and how these may fuel political discontent using quantitative methods.