



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Laboratorio 6 - Analizzare i fenomeni sociali attraverso i dati

2627-3-E4001N106

Learning objectives

The course provides students with the fundamental skills required to conduct quantitative analyses of social phenomena using statistical software.

Contents

The lab focuses on the processes of collecting, analyzing, and visualizing data related to social phenomena. It also introduces students to the core functionalities of the statistical analysis software STATA.

Detailed program

- The process of data construction: translating real-world phenomena into the rows and columns of a data matrix;
- Introduction to STATA: interface overview, core functionalities, use of do-files, and basic syntax;
- Data transformation procedures: recoding variables, creating new variables, and constructing scales and typologies;
- Univariate analysis: frequency distributions, measures of central tendency and dispersion, and graphical representations;
- Bivariate analysis: contingency tables, comparison of means, and linear regression.

Prerequisites

Basic knowledge of statistics and data analysis for the social sciences.

Teaching methods

The lab combines lectures introducing the main statistical analysis tools with hands-on practical sessions designed to support the application of the concepts covered and the development of independent data analysis skills, including those required for the final project.

Assessment methods

Assessment is based on the submission of short assignments designed to apply the methods and techniques covered in class.

Textbooks and Reading Materials

- Corbetta, P., Gasperoni, G., & Pisati, M. (2001). *Statistica per la ricerca sociale*. Bologna: il Mulino.
- Bittman, F. (2019). *Stata: A Really Short Introduction*. Berlin, Boston: De Gruyter Oldenbourg.
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Sustainable Development Goals

QUALITY EDUCATION
