



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Laboratory 6

1920-3-E4001N106

Learning objectives

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

To provide skills concerning the quantitative analysis of social phenomena by using a statistical package.

1920-3-E4001N106 Turno B: *Ricerca applicata* (Tiziano Gerosa)

The workshop focuses on the entire process of social research, in order to provide participants with the necessary skills to independently carry out a research project in all its stages.

Contents

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

The course provide a basic expertise of IBM SPSS Statistics.

1920-3-E4001N106 Turno B: *Ricerca applicata* (Tiziano Gerosa)

participants are required to actively contribute to development and implementation of a research project. The focus is on the quantitative paradigm, on the experimental method and on the application of the concept of causality to the study of social issues.

Detailed program

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

- Introduction to SPSS: software features, data editor, output, syntax editor; dataset construction, variable names, variable labels, value labels, missing values.
- Univariate analysis: frequencies distribution tables, measures of central tendency and dispersion, graphical representations.
- Dataset transformations: variable recode, new variable compute, indexes, typologies.
- Bivariate analysis: cross tabulation tables, mean tables, linear regression.

1920-3-E4001N106 Turno B: *Ricerca applicata* (Tiziano Gerosa)

the workshop focuses on the following activities:

- bibliographic research in the field of social sciences;
- formulation of a research problem, question and hypothesis on consolidated theoretical and/or empirical bases;
- drafting of an experimental research design;
- implementation of the experiment and data collection through a CAWI (computer assisted web interviewing) approach;
- data analysis (with SPSS) and interpretation of the results;
- writing of a final research report.

Prerequisites

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

Basic notions of statistics and data analysis for social sciences. The laboratory is especially aimed to the students that attended the course of Techniques of Quantitative Data Analysis.

enrollment to Turno A is foreclosed to students who have already attended the SPSS lab as part of the II year course "techniques of quantitative data analysis" (Prof. Maurizio Pisati).

1920-3-E4001N106 Turno B: *Ricerca applicata* (Tiziano Gerosa)

Basic notions of statistics and data analysis for social sciences. Participation to the workshop is recommended for (but not limited to) students that attended the courses of Quantitative Research Methods and Techniques of Quantitative Data Analysis.

Teaching methods

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

Laboratory sessions.

1920-3-E4001N106 Turno B: *Ricerca applicata* (Tiziano Gerosa)

Workshop lessons and exercises.

Assessment methods

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

Written test including exercises of data analysis with SPSS.

1920-3-E4001N106 Turno B: *Ricerca applicata* (Tiziano Gerosa)

Drafting of a final report that will be evaluated at the end of the workshop.

Textbooks and Reading Materials

1920-3-E4001N106 Turno A: *L'analisi dei dati con SPSS* (Federico Denti)

Corbetta, P., Gasperoni, G. e Pisati M., *Statistica per la ricerca sociale*, il Mulino, Bologna, 2001 (capitoli 1-7), and integrative documentation indicated by the teacher at the beginning of the course.

1920-3-E4001N106 Turno B: Ricerca applicata (Tiziano Gerosa)

Lucchini, M. (2018). *Metodologia della ricerca sociale*, Milano, Pearson Italia. (chapters: 3. La logica del processo di ricerca; 4. Definizione operative e misurazione; 6. Causalità ed esperimento; 8. L'analisi multivariata).

Gerosa, T. (2019). Il disegno sperimentale e la valutazione dell'intervento, in M. Gui (eds.), *Benessere digitale a casa a scuola. Un percorso di educazione ai media nella connessione permanente*, Milano, Mondadori Education, pp. 99–134.

Di Franco, G.(2009). *L'analisi dei dati con SPSS*, Milano, Franco Angeli.
