UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Psicometria con Laboratorio Software 2 - 1

1920-2-E2401P132-T1

Learning area

KNOWLEDGE ABOUT QUALITATIVE AND QUANTITATIVE RESEARCH METHODOLOGY

Learning objectives

Learning of statistical techniques for correlational and experimental data. Simple and complex relationships between quantitative and qualitative variables. Understanding of the characteristics of a psychological measure. Analyzing the types of research designs data • Understanding and evaluating the quality of statistical analyses in literature • Analyze and understand simple relationships with customers and between variables • Critically evaluate and use different types of psychological measures • Understanding and evaluating the structure of a one-dimensional test. Using the SPSS software.

Contents

An overview of several statistical techniques and methodological concepts is provided, giving the student the ability to collect and analyze data in a wide range of research situations. Univariate statistical techniques are presented, with emphasis on the interpretation of results. Fundamental concepts related with measurement in psychology are also discussed.

Detailed program

- · Statistical models and inferential statistics

- · Reliability analysis

- · Validity of measurements

- · Factor analysis

Practice Labs

Practice with SPSS statistical software and hands-on exercises with real data.

Prerequisites

Descriptives statistics (measures of central tendency and dispersion); Basics of inferential statistics;

Teaching methods

Theoretical and practical classes. Practice sections in the computer labs with analyses of real data and discussion.

Assessment methods

Textbooks and Reading Materials

Textbook: Gallucci, M. & Leone L , Berlingeri M. (2012). *Modelli statistiche per le scienze sociali.II Edizione* Milano: Pearson Education.

Additional learning materials is posted on the course page of the elearning platform