UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Psychometrics With Software Lab 2

2627-2-E2403P010

Learning area

Methods, techniques and instruments for psychology
Statistics and quantitative methods

Learning objectives

Knowledge and understanding
• Statistics for correlation data
• Statistics for experimental data
• Simple and complex relationships among different types of variables
• Basics of measurement in psychology

Applying knowledge and understanding
• Ability to analyze data collected in different research designs
• Estimating and understanding simple and relationships among variables.
• Employing and evaluating different types of psychological measures
• Use of statistical software

Independent Judgment

- Understand and evaluate the quality of statistical analyses presented in the literature
- Critically assess and use different types of psychological measures

Communication Skills

- Write statistical results from empirical research in a clear and logical manner

- Understand and apply APA communication guidelines

Learning Skills

- Understand data-based conclusions encountered in other courses
- Understand the statistical analyses presented in the studies reviewed during thesis preparation

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

Prerequisites

Teaching methods

Assessment methods

Textbooks and Reading Materials

Sustainable Development Goals

QUALITY EDUCATION