COURSE SYLLABUS

Elementi di Psicometria con Laboratorio di SPSS 1 - T1

1718-1-E2401P100-T1

Learning objectives

Knowledge and understanding

- Descriptive statistics
- Inferential statistics
- Univariate and bivariate statistical inference

Applying knowledge and understanding

- Using SPSS for data analysis
- Data analysis techniques
- How to report results of statistical analyses

Contents

This course aims at providing the basic knowledge on descriptive and inferential statistics. Furthermore, it addresses some techniques of statistical analysis and introduces the use of the SPSS statistical software

Detailed program

- Descriptive statistics,
- Linear correlation,
- Introduction to probability,
- Basic statistical inference methods,
- Test of hypotheses on the difference between two means (single sample, two independent samples, paired
samples tests),
- Chi square tests (independence of two categorical variables, equiprobability, model test).
- Introduction to the concepts of effect size and power analysis.
- Introduction to applying the SPSS package

Prerequisites

Basic knowledge of mathematics and basic use of personal computers.

Teaching methods

Lectures, class exercises, self-assessments, practical training

Assessment methods

Written test at the computer (using SPSS) and oral test.

Textbooks and Reading Materials


Choice of:
