**Insegnamento MOD. B - Quantitative Methods in Social Research**

GenCod A004321

**BREVE DESCRIZIONE DEL CORSO**

Quantitative applied and theoretical interpretation of sociological phenomena based on quantitative data. Moreover the student will learn the open source statistical software R to conduct in autonomy the quantitative analyses.

**PREREQUISITI**

Basic knowledge of statistics and computer science.

**OBIETTIVI FORMATIVI**

Aim of the course is to introduce the students into quantitative methods to analyze social data by using the open source software R.

**METODI DIDATTICI**

Theoretical lessons will be combined with the use of the statistical software R in way to learn how to implement a quantitative analysis.

**MODALITA' D'ESAME**

The evaluation will be written with a multiple choice test. The prerequisite will be the development of a small report (max 10 pages) using the main arguments of the course. The student have to apply the quantitative analyses (monovariate, bivariate, PCA) to a dataset that can download from the link available at: formazioneonline.unisalento.it

The report have to be send to the instructor 5 days before the exam.

The test will be composed of 10 questions: 1 open question about the results obtained in the

**PROGRAMMA ESTESO**

1) Teaching objectives

Aim of the course is to introduce the students into quantitative methods to analyze social data. In details the student will learn the following arguments:

- Monovariate Analysis
- Bivariate Analysis
- Statistical Tests
- Principal Component Analysis

All the argument will be treated from theoretical/interpretation point of view. Moreover all the

**TESTI DI RIFERIMENTO**

All the material is available at: formazioneonline.unisalento.it