**SOCIOLOGY AND SOCIAL RESEARCH (LM41)**  
(Università degli Studi)

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

GenCod A004321  
**Owner professor** Enrico CIAVOLINO

- **Teaching in italian** MOD. B - Quantitative Methods in Social Research  
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- **SSD code** SPS/07  
- **Reference course** SOCIOLOGY AND SOCIAL RESEARCH  
- **Course type** Laurea Magistrale  
- **Credits** 8.0  
- **Teaching hours** Ore-Attivita-frontale: 60.0  
- **For enrolled in** 2017/2018  
- **Taught in** 2017/2018  
- **Course year** 1  
- **Language** INGLESE  
- **Curriculum** PERCORSO COMUNE  
- **Location**  
- **Semester** Secondo-Semestre  
- **Exam type** Orale  
- **Assessment**  
- **Course timetable** https://easyroom.unisalento.it/Orario

**BRIEF COURSE DESCRIPTION**

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.

**REQUIREMENTS**

Basic knowledge of statistics and computer science.

**COURSE AIMS**

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

**TEACHING METHODOLOGY**

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

**ASSESSMENT TYPE**

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 report; 4 questions on R Software; 5 question on theoretical part.
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 arguments will be treated from theoretical/interpretation point of view. Moreover all the arguments will be treated also with the open source software R.

REFERENCE TEXT BOOKS
All the material is available at: formazioneonline.unisalento.it