

# 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-Attività-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 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](http://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.

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## FULL SYLLABUS

### 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 arguments will be treated also with the open source software R.

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## REFERENCE TEXT BOOKS

All the material is available at: [formazioneonline.unisalento.it](http://formazioneonline.unisalento.it)