

## SYLLABUS DEL CORSO

### Statistica Economica

2425-2-E1401A014

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#### Learning objectives

The course is an introduction to statistics, aiming at building the theoretical competences needed in reading a descriptive analysis and the practical competences needed in performing one.

#### Contents

1. Descriptive statistics
2. GNU-R computational environment
3. Linear regression

#### Detailed program

1. data
  - collection
  - variables
  - ratios
  - distributions
  - indexes
2. descriptions
  - centrality
  - variability
  - independence
  - correlation

- concentration
- eterogeneity
- asymmetry
- 3. models
  - linear regression
- 4. tools
  - GNU R

## **Prerequisites**

Basic mathematics.

## **Teaching methods**

- 20 two hours classes, frontal and held in presence
- 2 two hours laboratories, interactive and held remotely

## **Assessment methods**

- a written test, consisting in multiple choice questions, problems, and exercises

## **Textbooks and Reading Materials**

Piccolo D., Statistica per le decisioni, terza edizione, Il Mulino, 2020, ISBN 978-88-15-27220-1

## **Sustainable Development Goals**

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