



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Medical Statistics

2223-1-I0101D003-I0101D010M

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#### Aims

The course aims to provide students with the main elements of descriptive statistics.

#### Contents

Methods for data description.

#### Detailed program

MEDICAL STATISTICS - Quantitative-qualitative variables. Series in statistics. Graphical representation of a distribution. Position index of a distribution. Index of dispersion of a distribution. Scatter diagrams. Index association between two quantitative values. Reliability of a measure, random and systematic errors. Index of precision and accuracy. Definition of Gaussian density. Approximation of a histogram using the Gaussian distribution. Definition of standardized Gaussian density and uses. Basic concepts of regression and correlation.

#### Prerequisites

#### Teaching form

Lectures and exercises.

### **Textbook and teaching resource**

Marc M. Triola, Mario F. Triola, Jason Roy. Fondamenti di statistica Per le discipline biomediche. Pearson, seconda edizione 2022

### **Semester**

first year- first semester

### **Assessment method**

Written examination: test with multiple choice and open ended questions.

### **Office hours**

on request by email

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY

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