# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

# Statistica Medica

**2223-1-I0101D003-I0101D010M**

### 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