



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Statistics in Medical Research - 5

2324-2-I0102D012-I0102D039M-T5

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#### Aims

By the end of the course, the student will know how to collect, to order and to analyze data from professional context.

#### Contents

The course provides basic knowledges about health data collection and analysis.

#### Detailed program

- Collecting, measuring and analyzing data.
- Hints of probability assessment.
- The Gaussian distribution.
- Sampling and statistical inference.
- Introduction to evaluation and hypothesis testing.
- The sensitivity and specificity of a screening test.
- Presenting results of a research study.

#### Prerequisites

None

## **Teaching form**

Lectures, practice exercises.

## **Textbook and teaching resource**

Slides shown during lectures.

Textbook (not mandatory): Fowler J, Jarvis P, Chevannes, Statistica per le professioni sanitarie , Edises 2006.

## **Semester**

II semester

## **Assessment method**

Written exam with exercises and multiple choice questions.

There are no examinations in progress.

## **Office hours**

On appointment upon e-mail request.

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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