



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Statistica per la Ricerca - 5

2627-2-I0102D012-I0102D039M-T5

Aims

By the end of the course, students will have a basic understanding of probability theory, statistical inference, and the performance of diagnostic tests, with applications in obstetrics.

Contents

The course provides the fundamentals of probability theory, statistical inference, and diagnostic test performance, with applications in obstetrics.

Detailed program

- Hints of probability assessment.
- Sampling and statistical inference.
- Introduction to point and interval estimation.
- The sensitivity and specificity of a screening test.
- (if times allows), statistical hypothesis testing

Prerequisites

None

Teaching form

8 hours of Lectures and 4 hours of interactive lessons with exercises.

Textbook and teaching resource

Slides shown during lectures.

Textbook (not mandatory):

- (Italian) Mecatti, Fulvia. Statistica di base. Come, quando e perché. McGraw-Hill, 2022.
- (English) David S. Moore; William I. Notz; Michael Fligner The Basic Practice of Statistics Ninth Edition 2021
- (Italian) David S Moore, Statitica di Base, 2013

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
