UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Medical Statistics

2425-1-I0202D005-I0202D015M

Aims

Basic knowledge of the most important statistical-methodological tools of basic study design and descriptive statistics through practical implementation.

Contents

Basics of probability calculation
Probability estimation with a Frequentist approach

Detailed program

UNIT A : Calculation of probabilities
Definition of Experiment
Sample space, simple and compound events
Probability with classical approach
Probability with a Frequentist approach
Incompatible, dependent and independent events
Probability of union and intersection
Conditional probability
Contingency tables

UNIT B: Probability estimation with a Frequentist approach
Calculation of the point and interval estimate of a probablity

UNIT C : Frequency tables and graphs

Prerequisites

Listed in the syllabus of the whole course.

Teaching form

Teaching with frontal hours carried out in presence mode

Textbook and teaching resource

- Book: Fondamenti di statistica Micheal Sullivan III, traduzione a cura di Emma Zavarrone, Pearson 2020, diponibile anche come e-book https://www.pearson.it/opera/pearson/0-7264-fondamenti_di_statistica
- Slides

Semester

Listed in the syllabus of the whole course.

Assessment method

Listed in the syllabus of the whole course.

Office hours

Listed in the syllabus of the whole course.

Sustainable Development Goals

QUALITY EDUCATION | GENDER EQUALITY