UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Medical Statistics

2324-1-I0202D005-I0202D015M

Aims

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

The student will be able to: understand the main concepts of study design, implement descriptive statistical analyses, undestand descriptive statistical analyses.

Contents

Basic tools of descriptive statistics and inferential

Detailed program

Basic definition of probability calculus: random experiment, sample space, simple events, compound events
Probability with classical approach, Probability with Frequentist approach
Incompatible events
Two or more events (simple and/or compound) are incompatible if it is not possible to observe them simultaneously.
Independent, dependent, compatible, incompatible events
Probability of union and intersection
Conditional probability
Estimation of probability from censorship data (outline of Italian school open data)
Confidence interval: genesis, calculation, interpretation, simulation

Prerequisites

Listed in the syllabus of the whole course.

Teaching form

Listed in the syllabus of the whole course.

Textbook and teaching resource

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