COURSE SYLLABUS

Statistics in Medical Research

2223-2-I0102D012-I0102D039M

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 analisys.

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.

Oral exam with commentary to exercises and open questions.

Office hours

On appointment upon e-mail request.

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING