



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Statistica per la Ricerca Sperimentale e Tecnologica

2425-1-K0101D002-K0101D004M

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#### Aims

The primary goal of the course is to provide the basic tools of statistics in experimental research.

#### Contents

The process of inference: point estimation and sampling distributions; interval estimation and confidence intervals; the test of hypothesis.

#### Detailed program

Hypothesis testing: the logic of hypothesis testing; type I and II errors, p-value; confidence intervals and hypothesis testing: statistical vs clinical significance; example of tests.

#### Prerequisites

Defined by the degree regulation.

#### Teaching form

4 lessons of two hours with lectures and exercises.

### **Textbook and teaching resource**

Bland M (2013) Statistica Medica, Apogeo  
Pagano M., Gauvreau M. (2003) Biostatistica, Idelson-Gnocchi;  
Bossi A., Cortinovis I. (1996) Statistica medica. Esercitazioni, Città Studi Edizione.

### **Semester**

First year, first semester

### **Assessment method**

Open Response Questions (with numerical exercises) and multiple choice test

### **Office hours**

Agreed with teacher by e-mail.

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | DECENT WORK AND ECONOMIC GROWTH

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