



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Medical Statistics

2021-1-I0202D005-I0202D015M

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#### Aims

Basic knowledge of the most important statistical-methodological tools of the descriptive statistics and basic study design. The student will be able to: understand the main concepts of study design and implement descriptive statistical analyses.

#### Contents

The goal of the course is to contribute to the education of the student in order to be able to:

- 1) understand the principles of the experimental design in medicine
- 2) understand the basic statistical techniques for descriptive data analysis
- 3) use a software for data analysis

#### Detailed program

The module is organized in two parts: part one is on descriptive statistics from the theoretical view point, part two is on practical implementation through the software STATA.

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- 2) are thought using motivating examples from the applied literature

3) involves the STATA package

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Part two– Basics on the use of the STATA software through dedicated functions and production/modification of code.

### **Prerequisites**

The student is expected to have a basic knowledge on the use of personal computer.

### **Teaching form**

Audio-Video clip, Webex meetings (little groups).

### **Textbook and teaching resource**

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2) Notes written by the teacher

### **Semester**

First semester.

### **Assessment method**

Written exam with multiple choice quiz.

### **Office hours**

To be defined with the student by email contact.

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