



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Advanced Statistics M

2627-1-F8206B002

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#### Learning objectives

The course is aimed at introducing statistical advanced methods and techniques with both inferential and explorative objectives.

In particular, general concepts and methods pertaining to inferential statistics are presented, following a likelihood based approach. Furthermore multivariate methods of statistical analysis are introduced. These include both inferential aspects and explorative ones. The latter in particular concern reduction of dimensionality techniques and supervised methods.

The specific objectives of the course can be found in the syllabus of the two parts the course is composed of.

#### Contents

The contents of the two parts of the course can be found in the respective syllabus.

#### Detailed program

The detailed program of the two parts of the course can be found in the respective syllabus.

#### Prerequisites

The prerequisites of the two parts of the course can be found in the respective syllabus.

### **Teaching methods**

The teaching methods of the two parts of the course can be found in the respective syllabus.

### **Assessment methods**

To pass the exam the student must pass the assessments required by each part of the course, as specified in the respective syllabus.

The final marks are obtained as average of the marks obtained in each part assessment.

### **Textbooks and Reading Materials**

The textbooks and reading materials of the two parts of the course can be found in the respective syllabus.

### **Semester**

The semester of teaching of the two parts of the course can be found in the respective syllabus.

### **Teaching language**

Italian

### **Sustainable Development Goals**

QUALITY EDUCATION

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