



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Introduction to statistics with R (part II): linear and logistic regression models

2122-DOTT-MOD12

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#### Titolo

Introduction to statistics with R (part II): linear and logistic regression models

#### Docente(i)

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#### Lingua

English

#### Breve descrizione

The course, through lectures and computer lab sessions, aims to illustrate the fundamentals of statistical modeling with multiple covariates focusing on the linear and logistic regression models.

At the end of the course the participants should be able to recognize when to perform a linear or logistic regression, check the validity of the assumptions required, fit the model to the data, correctly interpret the model coefficients and evaluate the goodness of fit.

## Course program

### Day 1:

- Correlation and simple linear model
- Multiple linear model
- Lab session

### Day 2:

- Introduction to generalized linear models
- Logistic regression model
- Lab session

**Target audience:** Doct.....

**Participants (min/max):** 20/40

## CFU / Ore

1 CFU

8 ore (4 in classe + 4 in computer lab)

## Periodo di erogazione

01/02/21 9 am - 1 pm LAB 908 (U9a)

03/02/21 9 am - 1 pm LAB 908 (U9a)

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