



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

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

2122-DOTT-MOD12

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: Doctoral students of any discipline who are interested in the practical application of basic statistical modeling for data analysis in scientific research

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)
