



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Computational Statistics

1920-3-E4101B041

Learning objectives

The aim of the course is to illustrate the main computational statistical tools which are fundamental for modeling and data analyzing data.

Contents

Resampling methods and advanced models.

Detailed program

Resampling methods, Bootstrap, Jackknife. Data visualization techniques. Advanced models.

Prerequisites

Knowledge of the notions given in the course "Statistics III" is recommended.

Teaching methods

Class lectures and lab sessions.

Assessment methods

Students are supposed to pass a written exam. The oral exam is optional; if it is requested (by the student or by the teacher), the final mark is obtained by averaging written and oral marks.

Textbooks and Reading Materials

- James G., Witten D., Hastie T., Tibshirani R., An introduction to statistical learning, Springer.

Further material will be circulated via the e-learning page of the course.

Semester

The course is scheduled in the first part (six weeks) of the second semester.

Teaching language

Italian
