



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Clinical Data Science: Advanced Statistics I

2324-1002-02

Title

Clinical Data Science: Advanced Statistics I

Teacher(s)

- Laura Antolini
- Paola Rancoita
- Stefania Galimberti
- Chiara Brombin
- Federico Ambrogi
- Bernardo Nipoti
- Stefano Vezzoli

Language

English

Short description

COURSE OBJECTIVES

To develop statistical skills and knowledge for the analysis and interpretation of studies through advanced

statistical methods used in clinical trials and observational studies.

TOPICS

Analysis of Variance (ANOVA) – 2h Laura Antolini

Principles of regression and models for continuous data – 6h Paola Rancoita

Effect measures with binary endpoints – 2h Stefania Galimberti

Regression models for binary response – 6h Chiara Brombin

Variable selection – 2h Federico Ambrogi

Prediction models – 2h Federico Ambrogi

Bayesian Analysis – 8h Bernardo Nipoti

Missing data – 4h Stefano Vezzoli

CFU / Hours

4 / 32

Teaching period

May 13th 9.00-11.00 Laura Antolini - PRE-RECORDED VIDEO

May 13th 11.00-13.00 Paola Rancoita - STREAMING

May 15th 17.00-19.00 Paola Rancoita - STREAMING

May 19th 17.00-19.00 Paola Rancoita - STREAMING

May 20th 9.00-11.00 Stefania Galimberti - STREAMING

May 23rd 17.00-19.00 Chiara Brombin - STREAMING

May 24th 17.00-19.00 Chiara Brombin - STREAMING

May 26th 17.00-19.00 Chiara Brombin - STREAMING

May 27th 9.00-11.00 Federico Ambrogi - PRE-RECORDED VIDEO

May 27th 11.00-13.00 Federico Ambrogi - PRE-RECORDED VIDEO (11.00-12.00) + STREAMING (12.00-13.00)

June 7th 17.00-19.00 Bernardo Nipoti - STREAMING

June 9th 17.00-19.00 Bernardo Nipoti - STREAMING

June 10th 9.00-13.00 Bernardo Nipoti - STREAMING

June 16th 17.00-19.00 Stefano Vezzoli - STREAMING

June 19th 17.00-19.00 Stefano Vezzoli - STREAMING

COURSE EVALUATION: June 23rd 18.00-19.00

Sustainable Development Goals
