UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Clinical Data Science: Advanced Statistics I

2526-1002-02

Title

Clinical Data Science: Advanced Statistics I

Teacher(s)

Principles of regression and models for continuous data – 6h Francesca Graziano
Effect measures with binary endpoints – 2h Stefania Galimberti
Regression models for binary response – 6h Matteo Petrosino
Variable selection – 2h Federico Ambrogi
Prediction models – 2h Federico Ambrogi
Bayesian Analysis – 8h Bernardo Nipoti
Missing data – 4h Stefano Vezzoli
Multiple testing – 2h Stefania Galimberti

Language

English

Short description

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

statistical methods used in clinical trials and observational studies.

CFU / Hours

4 / 32

Teaching period

May 7th 17.00-19.00 Francesca Graziano - PRE-RECORDED VIDEO
May 9th 17.00-19.00 Francesca Graziano - STREAMING
May 10th 9.00-11.00 Francesca Graziano - PRE-RECORDED VIDEO
May 10th 11.00-13.00 Stefania Galimberti - STREAMING
May 14th 17.00-19.00 Matteo Petrosino - STREAMING
May 16th 17.00-19.00 Matteo Petrosino - STREAMING
May 17th 9.00-11.00 Matteo Petrosino - STREAMING
May 17th 11.00-13.00 Federico Ambrogi - PRE-RECORDED VIDEO
May 19th 17.00-19.00 Federico Ambrogi - PRE-RECORDED VIDEO
May 21st 17.00-19.00 Bernardo Nipoti - STREAMING
May 23rd 17.00-19.00 Bernardo Nipoti - STREAMING
May 24th 9.00-13.00 Bernardo Nipoti - STREAMING
May 26th 17.00-19.00 Stefano Vezzoli - STREAMING
May 28th 17.00-19.00 Stefano Vezzoli - STREAMING
May 30th 17.00-19.00 Stefania Galimberti - PRE-RECORDED VIDEO

INDIVIDUAL COURSE EVALUATION: June 4th 17.00-19.00

Sustainable Development Goals