UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Quantitative Approach to Biomedical Research

2526-1002-01

Titolo

Quantitative Approach to Biomedical Research

Docente(i)

Welcome and introduction – 2h Maria Grazia Valsecchi
Taxonomy of the studies – 2h Maria Grazia Valsecchi
Descriptive statistics – 6h Marika Vezzoli
Introduction to R – 4h Davide Bernasconi
Probability, sensitivity, specificity and ROC curve – 4h Laura Antolini
Statistical Distribution Functions – 4h Alessandra Carobbio
Inference: confidence interval – 2h Marika Vezzoli
Inference: hypothesis testing – 4h Maria Grazia Valsecchi
Variable transformation – 2h Stefania Galimberti
Analysis of Variance (ANOVA) – 2h Laura Antolini

Lingua

English

Breve descrizione

To introduce the fundamental principles and approaches of statistics in biomedical research.

CFU / Ore

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Periodo di erogazione

March 31st 17.00-19.00 Maria Grazia Valsecchi - STREAMING
April 2nd 17.00-19.00 Maria Grazia Valsecchi - PRE-RECORDED VIDEO
April 4th 17.00-19.00 Marika Vezzoli - PRE-RECORDED VIDEO
April 5th 9.00-13.00 Marika Vezzoli - PRE-RECORDED VIDEO
April 7th 17.00-19.00 Davide Bernasconi - PRE-RECORDED VIDEO
April 9th 17.00-19.00 Davide Bernasconi - STREAMING
April 11th 17.00-19.00 Laura Antolini - PRE-RECORDED VIDEO
April 12th 9.00-11.00 Laura Antolini - PRE-RECORDED VIDEO
April 12th 11.00-13.00 Alessandra Carobbio - PRE-RECORDED VIDEO
April 14th 17.00-19.00 Alessandra Carobbio - PRE-RECORDED VIDEO (17.00-18.30) + STREAMING (18.30-19.00)
April 16th 17.00-19.00 Marika Vezzoli - PRE-RECORDED VIDEO
April 17th 17.00-19.00 Maria Grazia Valsecchi - STREAMING
April 23rd 17.00-19.00 Maria Grazia Valsecchi - PRE-RECORDED VIDEO
April 28th 17.00-19.00 Stefania Galimberti - PRE-RECORDED VIDEO
April 30th 17.00-19.00 Laura Antolini - PRE-RECORDED VIDEO

INDIVIDUAL COURSE EVALUATION: June 4th 17.00-19.00

Sustainable Development Goals