Summer School in
Social Statistics II Edition
October 3-5, 2022 - Anacapri (Capri Island)

PROGRAM

Monday October 03, 2022

Statistical analyses for health-related data (SHD)

9:00 - 9:45
Introduction to health surveillance systems, noncommunicable diseases and behavioral risk factors
Stefano CAMPOSTRINI - University of Venezia Ca' Foscari

9:45 - 11:00
Statistical modeling. Essentials of linear and logistic regression, interaction effects and penalized methods
Emanuele ALIVERTI - University of Venezia Ca' Foscari

Coffee break

11:30 - 13:00
Project works: warm up
Team SHD: *Emanuele ALIVERTI, Angela ANDREELLA, Stefano CAMPOSTRINI, Andrea PASTORE*

Lunch break

14:30 - 16:00
Issues in advanced models for health data: non-linearity, temporal dimension, spatial dimension.
Non-parametric models (regression splines) and introduction to additive models (GAM) starting from real examples.

Coffee break

16:30 - 18:30
Project works

Tuesday October 04, 2022

Statistical analyses for health-related data (SHD)

9:00 - 11:00
Project works

Coffee break

11:30 - 13:00
Presentation of project works

Lunch break

Social Media Analytics and Network Analysis tools (SMA)

14:30 – 15:15
An Introduction to Social Media Analytics
Giancarlo RAGOZINI - University of Napoli Federico II
Maria Prosperina VITALE - University of Salerno

15:15-16:00
Type of social media data and statistical tools: an overview
Giuseppe GIORDANO - University of Salerno

Coffee break

16:30-18:30
Network Analysis tools
Susanna ZACCARIN - University of Trieste
Maria Prosperina VITALE - University of Salerno

Project works: warm up
Team SMA: *Lucio PALAZZO, Ilaria PRIMERANO, Roberto RONDINELLI, Francesco SANTELLI*

Wednesday October 05, 2022

Social Media Analytics and Network Analysis tools (SMA)

9:00 - 11:00
Introduction to text mining - Correspondence analysis for lexical table and variations.
Community Detection in Social Media
Domenico DE STEFANO - University of Trieste
Giuseppe GIORDANO - University of Salerno
Giancarlo RAGOZINI - University of Napoli Federico II

Coffee break

11:30 - 13:30
Project works
Extraction of complex data from social media
Definition of Network and Textual data structures and statistical analysis

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Lunch break

14:30 - 16:30
Project works

Coffee break

17:00 - 18:30
Presentation of project works