



# **Summer School in Social Statistics II Edition**

October 3-5, 2022 - Anacapri (Capri Island)

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## **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](#)

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Coffee break

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### 11:30 - 13:00

Project works: warm up

[Team SHD: Emanuele ALIVERTI, Angela ANDREELLA, Stefano CAMPOSTRINI, Andrea PASTORE](#)

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Lunch break

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### 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.

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Coffee break

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### 16:30 - 18:30

Project works

# Tuesday October 04, 2022

## Statistical analyses for health-related data (SHD)

**9:00 - 11:00**

Project works

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Coffee break

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**11:30 - 13:00**

Presentation of project works

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Lunch break

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## 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 Napoli Federico II](#)

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Coffee break

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**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

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Coffee break

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### **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

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### **14:30 - 16:30**

Project works

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Coffee break

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### **17:00 - 18:30**

Presentation of project works