



III EDIZIONE

# WORKSHOP DEL DIPARTIMENTO DI SCIENZE STATISTICHE

## *Methods for human health and life sciences*

13 febbraio 2025

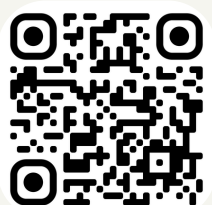
09:30 - 17:00

Aula Gini - Piano terra CU002

14 febbraio 2025

09:30 - 16:00

Aula Gini - Piano terra CU002



Iscriviti al workshop  
<https://shorturl.at/BvXSj>



DIPARTIMENTO  
DI SCIENZE STATISTICHE



SAPIENZA  
UNIVERSITÀ DI ROMA

Con il patrocinio di:

METRON



# WORKSHOP DEL DIPARTIMENTO DI SCIENZE STATISTICHE

13 febbraio 2025

09:30 **Saluti Istituzionali**

## Sessione I Chair - Giovanna Jona Lasinio

10:00 Artificial intelligence, synthetic data and other challenges for the biostatistician in the ethics committee

*Annarita Vestri*

10:20 Green revenues and social responsible investments new evidences

*Rita Laura D'Ecclesia*

10:40 Ultrametric Factor Analysis for modelling hierarchical latent concepts

*Maurizio Vichi*

**11:00 Coffee break**

## Sessione II Chair - Stefania Gubbiotti

11:30 The Reproducibility Dilemma in Biomedical Research: Measures, Models, and Technology within a Statistical Perspective

*Clelia Di Serio*

11:50 A copula-based Bayesian framework for doping detection

*Brunero Liseo (with Nina Deliu)*

12:10 Modelling Human Senescence

*Elisabetta Barbi*

12:30 Hybrid frequentist-Bayesian approaches to clinical trials design

*Fulvio De Santis*

**13:00 Lunch**

## Sessione III Chair - Maurizio Vichi

14:30 Compositional data analysis in epidemiology: modelling Physical Activity objectively measured by accelerometer

*Gianfranco Lovison*

14:50 Solvable non-Markovian dynamic network

*Enrico Scalas*

15:10 Homophily/heterophily evaluation in general networks

*Paolo G. Franciosa*

**15:30 Coffee break**

## Sessione IV Chair - Enrico Scalas

15:50 Valutare le disuguaglianze di salute in comunità interessate da criticità ambientali

*Filomena Maggino - Roberto Pasetto*

16:10 Modelling medical costs of oncological patients from a public health perspective

*Cristina Mollica - Silvia Francisci*

16:30 Composite Likelihood Inference for Simultaneous Clustering and Dimensionality Reduction in the Chinese Longitudinal Healthy Longevity Survey

*Monia Ranalli*

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## Sessione V Chair Fiorenza Deriu

09:40 Quantile Share Ratio Regression

*Alessio Farcomeni*

10:00 Assessing the Effect of Uncertainty in Policy Decisions on the Sustainability of the Stability and Growth Pact: a Functional Analysis Approach

*Bernardo Maggi*

10:20 Performance Profiles of Profit Sharing Insurance Contracts with Corridor - Based Financial Strategy under IFRS 17

*Barbara Rogo*

10:40 *The Costs of Layoffs: Insights on Mobility and Recovery Patterns*

*Viviana Celli*

**11:00 Coffee break**

## Sessione VI Chair Luca Tardella

11:20 Epidemie e global health

*Massimo Ciccozzi*

11:40 A Bayesian model to assess spillover effects of unconventional monetary policies

*Andrea Mercatanti*

12:00 Prevenzione e contrasto della povertà estrema: un'analisi della rete degli attori territoriali a Roma

*Raffaella Gallo - Fiorenza Deriu*

12:20 A time space network model for a truck and drones delivery system

*Paolo Dell'Olmo*

**13:00 Lunch**

## Sessione VII - Chair Umberto Ferraro Petrillo

14:30 Prevalence of severe psychiatric disorders among underages in Italy using capture-recapture methods

*Luca Tardella*

14:50 Network Profiling in Precision Medicine: Enhancing Cancer Patient Stratification

*Lorenzo Di Rocco*

**15:20 Coffee break**

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