LUMSA UNIVERSITÀ

DIPARTIMENTO DI GIURISPRUDENZA, ECONOMIA, POLITICA E LINGUE MODERNE

12-13 settembre 2024

Aula 4 – Via Pompeo Magno 28, Roma

Data Science in the 21st century: methodological innovations, empirical challenges and potential future directions

12 SETTEMBRE – DALLE ORE 14.00

Pierfrancesco Alaimo di Loro
Università LUMSA
A Bayesian Spatio-Temporal Extension to Poisson Auto-Regression: Modeling the Disease Infection Rate of COVID-19 in England

Antonio Punzo
Flexible modelling of tail behavior using dimension-wise scaled normal mixtures

Beatrice Foroni
Università di Pisa
Hidden Markov quantile graphical models: an application to PM2.5 concentration in Northern Italy

Sabrina Giordano
Università della Calabria
Advanced ordinal data modelling: integrating respondent behavior in longitudinal and cross-sectional analysis

Marilena Barbieri
Università di Roma Tre
Forecasting cylindrical time series with applications to wind direction and speed

Emiliano Ceccarelli
Sapienza Università di Roma – ISS
Understanding Excess Mortality in 2022: The Dual Impact of COVID-19 and Heatwaves on the Italian Elderly Population

13 SETTEMBRE – DALLE ORE 9.00

Antonello Maruotti
Università LUMSA
A zero-inflated hidden semi-Markov model with covariate-dependent sojourn parameters for analyzing marine data in the Venice lagoon

Alfonso Russo
Università di Roma "Tor Vergata"
Bayesian multivariate semi-Markov-Switching mixed data sampling (MIDAS) regression with unknown configuration of hidden regimes

Pier Francesco Perri
Università della Calabria
Indirect questioning techniques for surveying sensitive topics: methods and applications

Cristina Tortora
San José State University
Mixed-type variables, complex cluster shapes, and local dependencies in model-based clustering: an application to sleep data

Alessio Farcomeni
Università di Roma "Tor Vergata"
Time-interaction point processes with heterogeneity

Roberto Di Mari
Università di Catania
endogeNOVA: a latent variable approach to assess endogenous bank performance from the ECB supervisory data

Marco Mingione
Università di Roma Tre
Does wind sculpt vegetation stripes? A copula-based mixture model for axial and circular data

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