



## VIII Giornata del Dottorato della Scuola di Scienze Statistiche

Dipartimento di Scienze Statistiche - Università di Roma La Sapienza

Aula 13 Edificio Tumminelli - Link Zoom: [cliccare qui](#).

*\*Per visualizzare gli abstracts dei partecipanti cliccare sul titolo del contributo\**

**Giovedì 15 luglio 2021 ore 8.30 - 13.50**

**8.30-8.45: Coffee Meeting**

**Apertura dei lavori**

- **8.45-8.55: Saluto di apertura** (prof. Maurizio Vichi)
- **8.55-9.00: Introduzione alla giornata** (prof.ssa Giovanna Jona Lasinio)

**9.00-10.15: Statistical Analysis for Clinical Data.**

**Chair:** prof. Marco Alfò. **Discussant:** dott.ssa Alessandra Spagnoli.

- 9.00-9.15: **Enrico Ciminello** :: *A Bayesian imputation model to perform survival analysis for joint prosthesis when the operated side is not available.*
- 9.15-9.30: **Davide Passaro** :: *Preliminary results in prediction of acute kidney injury following pediatric cardiac intensive care unit admission.*
- 9.30-9.45: **Vittoria La Serra** :: *Exploring methods for the assessment of temporal trends in mortality and hospitalization in Italian industrially contaminated sites.*
- 9.45-10.15: **Discussion.**

**10.15-10.30: Pausa caffè**

**10.30-11.45: Clustering and Dimensionality Reduction.**

**Chair:** prof. Roberto Rocci. **Discussant:** dott.ssa Monia Ranalli.

- 10.30-10.45: **Ilaria Bombelli** :: *Fuzzy clustering of networks.*
- 10.45-11.00: **Emiliano Seri** :: *Evaluating robustness in synthetic indicators' construction: new methodological tools.*
- 11.00-11.15: **Giorgia Zaccaria** :: *Gaussian mixture model with a new parsimonious parameterization of the covariance matrix.*
- 11.15-11.45: **Discussion.**

**11.45-12.00: Pausa caffè**

**12.00-13.15: Monitoring Social Differences.**

**Chair:** prof.ssa Elisabetta Barbi. **Discussant:** dott.ssa Margaret Antonicelli.

- 12.00-12.15: **Luca dei Bardi** :: *Posizione socioeconomica, numero di esenzioni per patologia e mortalità nello Studio Longitudinale Romano.*
- 12.15-12.30: **Margherita Moretti** :: *Gender and educational inequalities in disability-free life expectancy of older adults in Italian regions.*
- 12.30-12.45: **Alessandro Feraldi** :: *Functional data analysis approach in population studies: an application to the gender gap in life expectancy.*
- 12.45-13.15: **Discussion.**



13.20-13.50: Sessione poster (aule 12 e 13 Edificio Tumminelli - Zoom: breakout-rooms dal link principale)

- Aula 12 - Maria Antonietta Reatini :: *Spatio-temporal modeling of small scale ultrafine particles variability. A comparison of Generalized Additive Models and Random Forest approaches.*
- Aula 13 - Cecilia Fortunato :: *Return migration: exploring theoretical paradigms, analysing intentions and realizations of return.*

## Venerdì 16 luglio 2021 ore 8.45 - 14.00

8.45-9.00: Coffee Meeting

9.00-10.15: Stochastic Processes and Applications.

**Chair:** prof.ssa Luisa Beghin. **Discussant:** dott. Costantino Ricciuti.

- 9.00-9.15: Pierfrancesco Alaimo di Loro :: *A semi-parametric spatio-temporal Hawkes process model for road accidents.*
- 9.15-9.30: Lorenzo Cristofaro :: *Long range dependence in earthquake time series.*
- 9.30-9.45: Fabrizio Cinque :: *Sum of independent generalized Mittag-Leffler random variables and related fractional processes.*
- 9.45-10.15: Discussion.

10.15-10.30: Pausa caffè

10.30-11.45: Statistical Methodologies for Economics and Science.

**Chair:** prof. Luca Tardella. **Discussant:** dott.ssa Cristina Mollica.

- 10.30-10.45: Gianmarco Caruso :: *Bayesian unsupervised classification and abundance estimation of open populations.*
- 10.45-11.00: Luca Merlo :: *Multivariate unconditional generalized quantile regression.*
- 11.00-11.15: Marco Mingione :: *Spatial modelling of COVID-19 incident cases using Richards' curve: an application to the Italian regions.*
- 11.15-11.45: Discussion.

11.45-12.00: Pausa caffè

12.00-13.15: Data Analysis for Insurance.

**Chair:** prof.ssa Susanna Levantesi. **Discussant:** dott. Fabio Baione.

- 12.00-12.15: Matteo Crisafulli :: *Back-testing the Bayesian Bornhuetter-Ferguson method against traditional approach in claims reserving.*
- 12.15-12.30: Daniele Rosindo Cubellotti :: *L'ottimizzazione del premio di rinnovo nel contesto assicurativo RCA (Responsabilità Civile Autoveicoli).*
- 12.30-12.45: Jacopo Giacomelli :: *Parametric estimation of latent default frequency in credit insurance.*
- 12.45-13.15: Discussion.



13.20-14: Sessione poster (aule 11, 12 e 13 Edificio Tumminelli - Zoom: breakout-rooms dal link principale)

- Aula 11 - Federica Spoto :: *Spherical autoregressive change-point detection with applications.*
- Aula 12 - Pierpaolo Angelini :: *Disaggregate and aggregate measures in choice problems.*
- Aula 13 - Riccardo Giubilei :: *A density-peak approach to clustering graph-structured data.*