

	Room Leogrande	Room A	Room De Trizio	Room B	Room C	
19	08:45 09:30	CONT21	CONT22	CONT23	CONT24	CONT25
	09:30 10:30	SOLI21	SOLI22	SPEC10	SPEC11	SPEC12
	10:30 11:00	COFFEE BREAK				
	11:00 11:45	PLEN2				
	11:45 12:45	SPEC13	SPEC14	SPEC15	SPEC16	SPEC17
	12:45 13:30	CONT26	CONT27	CONT28	CONT29	CONT30
	13:30 14:30	LUNCH	SMA board meeting			
	14:30 15:15	P-PLEN3	P-PLEN4			
	15:15 16:15	SOLI23	SOLI24	SOLI25	SOLI26	SOLI27
	16:15 16:45	COFFEE BREAK				
	16:45 17:45	SIS PRES PLEN				
	17:45 18:30	SIS GENERAL MEETING				

Wednesday, June 19

08:45 - 09:30

Room Leogrande - CONT21

School, educational achievements and aspirations

Alessio Buonomo, Stefania Capecchi, Francesca Di Iorio, Patrizia Giannantoni, Assessing literacy proficiency of students with a migratory background: the case of Lombardia region

Leonardo Cefalo, Virgilio Gómez - Rubio, Multilevel bivariate areal modelling for school data: an application with R-INLA

Eleonora Miaci, Giulia Berta, Martina Sciarabba, Nazareno Panichella, Teachers' evaluations and ethnic penalty on academic achievement in Italy

Flaminia Musella, Brunella Botte, Giada Marinensi, A tool for identifying drivers impacting students' career aspirations

Alessandra Ragni, Chiara Masci, Anna Maria Paganoni, Analysis of higher education dropouts dynamics through functional decomposition of recurrent events on time-to-event processes

Discussant: Elisa Barbiano di Belgiojoso, Bicocca University of Milano

Room A - CONT22

Advances in regression methods and applications

Riccardo Borgoni, Francesco Schirripa Spagnolo, Nicola Salvati, Diego Zappa, Enrico Fabrizi, Partial M-quantile regression for predictive maintenance

Giuseppe Demuru, Monica Musio, Philip Dawid, Individual causation with additional information

Chiara Di Maria, Longitudinal mediation analysis through mixed-effect models: a causal interpretation based on separable effects

Anna Gottard, Agnese Panzera, Inverse Stereographic Gaussian DAG models

Lorenzo Tedesco, Presmoothing methodology for instrumental variable estimation of the proportional odds model under random right censoring.

Discussant: Rosaria Lombardo, University of Campania

Room De Trizio - CONT23

Advances in statistical modeling

Michela Battauz, Paolo Vidoni, Likelihood-based boosting for variance components selection in linear mixed models

Lara Cavinato, Lorenzo Ferrara, Matteo Pegoraro, Paola Anna Erba, Francesca Ieva, Topological data analysis applied to radiomics (topiomics) data in recurrent prostate cancer

Marco Forti, Maria Brigida Ferraro, Paolo Giordani, L0-penalized membership in sparse fuzzy clustering

Luca Merlo, Nicola Salvati, Enrico Fabrizi, Paolo Frumento, Lea Petrella, Random effects in unconditional quantile regressions

Martina Narcisi, Gilbert W. Fellingham, Garritt Page, Evaluating Volleyball Setters using Product Partition Models

Discussant: Salvatore D. Tomarchio, University of Catania

Room B - CONT24

Health, morbidity and mortality

Agostino Cristofalo, Silvia Cascini, Giulia Cesaroni, Eleonora Trappolini, Nera Agabiti, Anna Maria Bargagli, Educational disparities in the risk of dementia and subsequent risk of hospitalization in Lazio region

Alessandro Feraldi, Marilena Pappagallo, Cristina Giudici, Luisa Frova, Monitoring all-cause and cause-specific mortality inequalities in Italian regions

Gloria Santoro, Elena Locatelli, Flavio Tirelli, Anna Maria Agnes, Domenico D'Ugo, Roberto Persiani, Alberto Biondi, Laura Lorenzon, Meta-analytic metagenomic analysis of the microbiome in gastric cancer

Eleonora Trappolini, Giuseppina Guagnano, Maria Felice Arezzo, Addressing misclassification in the assessment of self-rated health: insights from the elderly population Italy

Anna Vesely, Giulia Roli, Michele Scagliarini, Rossella Miglio, An ensemble method for disease surveillance

Discussant: Cinzia Castagnaro, Italian National Statistical Institute

Room C - CONT25

Statistical theory and methods

Stefano Antonio Gattone, Roberto Rocci, Simultaneous clustering and dimension reduction of functional data

Elena Ballante, Silvia Figini, Antonietta Mira, Non-parametric similarity measure based on information imbalance

Michele Cavazzutti, Federico Ferraccioli, Laura Sangalli, livio finos, Eleonora Arnone, Eleonora Arnone, Efficient parametric tests in semiparametric regression with differential regularization

Catia Luisa Scricciolo, Minimax rates for Wasserstein deconvolution of regular distributions with known ordinary smooth errors

Marco Tarantino, Nicoletta D'Angelo, giada adelfio, Modelling three-dimensional point patterns

Discussant: Silvia Salini, University of Milano

09:30 - 10:30

Room Leogrande - SOLI21

Well-being, inequality and poverty

Ilaria Benedetti, Federico Crescenzi, Tiziana Laureti, Luca Secondi, Integrating fuzzy approach to measuring food poverty at sub-national level in Italy: an analysis using the household budget survey

Andrea Brandolini, Rolf Aaberge, Iryna Kyzyma, Threshold sensitivity of income poverty measures for EU social targets

Pier Luigi Conti, Maria Grazia Pittau, Roberto Zelli, The three I's of deprivation (TID) curves: estimation, inference, and stochastic dominance

Francesca Mariani, Mariateresa Ciommi, Maria Cristina Recchioni, Chiara Gigliarano, A new point of view in the construction of composite indicators: a simulation illustration

Organizer: Francesco Chelli, University of Marche, Chiara Gigliarano, LIUC - Cattaneo University

Chair: Francesco Chelli, University of Marche

Room A – SOLI22

Inference on complex financial, neuronal and causal data

Matteo Bonvini, Edward H. Kennedy, Oliver Dukes, Sivaraman Balakrishnan, On the possibility of doubly-robust root-n inference

Per Mykland, A general theory for estimators based on pre-averaging in high frequency data

Yubai Yuan, Babak Shahbaba, Norbert Fortin, Keiland Cooper, Qing Nie, Annie Qu, Optimal transport for latent integration with an application to heterogeneous neuronal activity data

Lan Zhang, The volatility of drift

Organizer: Regina Liu, Rutgers University

Chair: Regina Liu, Rutgers University

Room De Trizio - SPEC10

Data eco-systems and the value of information

Gianna Greca, Alessandro Zeli, The design of an energy data eco-system. An analysis of user-specific information needs and data integration processes

Francesco Pugliese, Angela Pappagallo, Massimo De Cubellis, Generation of synthetic data from Mobile Network Operators (MNO) data through generative adversarial networks (GANs)

Paolo Righi, Data ecosystems and the measurement of added value from data integration: a methodological framework

Organizer: Stefano Menghinello, Italian National Statistical Institute

Discussants: Alessandro Rinaldi, Istituto Tagliacarne, Alessio Meloni, Gartner, Fabian Mazza, Moodys

Room B - SPEC11

Nonparametric causal inference

Falco J. Bargagli-Stoffi, Dafne Zorzetto, Uncovering environmental disparities in Texas: A data-driven subgroup discovery approach

Fiammetta Menchetti, Augusto Cerqua, Marco Letta, The machine learning control method for counterfactual forecasting

Dafne Zorzetto, Causal STAR BART for discrete outcome

Organizer: Veronica Ballerini, University of Firenze

Discussant: Alessandra Mattei, University of Firenze

Room C - SPEC12

Latest trends in clustering and classifications of complex data

Alessandro Casa, Thomas Brendan Murphy, Michael Fop, Sparse partial membership models with applications in food science

Volodymyr Melnykov, Shuchismita Sarkar, Modeling heterogeneity in dynamic weighted multilayer networks

Valentina Veronesi, Marianthi Markatou, Study of clustering algorithms for mixed-type data in presence of errors and correlation

Organizer: Marta Nai Ruscone, University of Genova

Discussant: Marta Nai Ruscone, University of Genova

10:30 - 11:00

Coffee Break

11:00 - 11:45

Room Leogrande - PLEN2

Conjugacy and approximation properties of skew-symmetric distributions in statistical inference

Daniele Durante, Bocconi University of Milano

Organizer: Giorgia Zaccaria, Bicocca University of Milano

Chair: Brunero Liseo, Sapienza University of Roma

11:45 - 12:45

Room Leogrande - SPEC13

Residential patterns of foreign migrants in urban contexts

Francesca Bitonti, Daniela Ghio, Angelo Mazza, Massimo Mucciardi, An Information Theory approach to assess residential segregation: the case of Messina (Italy)

Alessio Buonomo, Federico Benassi, Rosaria Simone, Salvatore Strozza, Multiscale dimensions of residential segregation in Naples. A preliminary investigation

Maria Miriam Carella, Thais Garcia Pereiro, Anna Paterno, Socioeconomic distress and foreign presence in a Southern urban context. The case of Bari

Organizer: Federico Benassi, Federico II University of Napoli

Discussant: Annalisa Busetta, University of Palermo

Room A - SPEC14

Bayesian statistics for real-world application: challenges and solution

Aldo Gardini, Silvia De Nicolò, Enrico Fabrizi, Mapping well-being through a Mixture-of-Experts Fay-Herriot model

Sara Martino, Analysing time trends for cognitive impairment across the U.S.A states

Donatello Telesca, John Shamshoian, Michele Guindani, Damla Senturk, Shafali Jeste,
Separability assumptions and the Bayesian analysis of region-referenced functional data

Organizer: Brunero Liseo, Sapienza University of Roma

Discussant: Federico Pavone, Paris Dauphine University

Room De Trizio - SPEC15

Statistics for Gender-based discrimination and stereotypes

Maria Giuseppina Muratore, Claudia Villante, Lucilla Scarnicchia, The narrative of gender and the profound impact of language weight

Andrea Priulla, Massimo Attanasio, Gender disparities in the transition to Master's level in Italian universities

Daniele Vignoli, Giammarco Alderotti, Cecilia Tomassini, The gendered effect of partners' health on silver splits in europe

Organizer: Paola Vicard, Roma Tre University

Discussant: Paola Vicard, Roma Tre University

Room B - SPEC16

Advanced statistical methods for environmental sustainability

Alfred Kume, Clustering based on Hungarian algorithm for manifold data

Donato Riccio, Fabrizio Maturo, Elvira Romano, Supervised classification of functional data via ensembles of different functional representations

Elvira Romano, Andrea Diana, Anna De Magistris, Conformal based uncertainty bands for predictions in functional ordinary kriging

Organizers: Francesca Fortuna, Roma Tre University, Tonio Di Battista, University of Chieti-Pescara

Discussant: Alessia Naccarato, Roma Tre University

Room C - SPEC17

New methods for university assessment in teaching and research

Ida Camminatiello, Mario Pezzillo Iacono, Rosaria Lombardo, A model for the evaluation of the Italian university system

Wolfgang Glanzel, Juan Gorraiz, Cinzia Daraio, A new framework for the proper use of bibliometric indicators in research evaluation – An evidence-based opinion paper

Angela Maria D'Uggento, Nunziata Ribecco, Vito Ricci, Ernesto Toma, Evaluation of the quality of university research from a regional perspective using a synthetic indicator

Organizer: Filomena Maggino, Sapienza University of Roma

Discussant: Leonardo Salvatore Alaimo, Sapienza University of Roma

12:45 - 13:30

Room Leogrande - CONT26

Data Science models and applications

Salvatore Battaglia, Marta Fiocco, Hein Putter, Extending the vertical model: an alternative approach to competing risks with clustered data

Luisa Bisaglia, Parvaneh Rafieisangari, Advances in intermittent demand forecasting

Riccardo Ceccaroni, Pierpaolo Brutti, PixHomology: a new algorithm for computing persistent homology for pixel data

Fedele Greco, Lucia Guastadisegni, Carlo Trivisano, An R-Shiny App for statistical matching

Roberto Leombruni, Consuelo Nava, Marina Zanatta, The challenge of microdata dissemination. A methodology for a Public Use File version of the WHIP database

Discussant: Rosanna Verde, University of Campania

Room A - CONT27

Bayesian approaches for complex data: from spectrometric data to biomedical and network analysis

Rossella Carone, Simone Ciardulli, Nicola Francescon, Matteo Freddi, Elisa Garlanda, Alessandro Casa, Alessia Pini, Jacopo Gardella, Bayesian models for registration of functional data

Alessandro Colombi, Alessia Pini, Lucia Paci, Learning block structures in Gaussian graphical models for spectrometric data analysis

Noemi Corsini, Michael Fop, A Bayesian overlapping stochastic block model for clustering biographical networks

Silvia Montagna, Amir Khorrami Chokami, Surya T. Tokdar, Detecting circadian gene expressions via Bayesian analysis: an application to the Arabidopsis Thaliana dataset

Cecilia Viscardi, Alessio Lachi, Michela Baccini, Bayesian inference for compartmental models with intractable likelihood function

Discussant: Alberto Cassese, University of Firenze

Room De Trizio - CONT28

Advanced methods for time series analysis and regression modelling

Mirko Armillotta, Paolo Gorgi, On the estimation of INAR models with Pseudo-Variance Quasi-Maximum Likelihood

Pietro Donelli, Harold A. Hernández-Roig, M. Carmen Aguilera-Morillo, Eleonora Arnone, Letizia Clementi, Rosa E. Lillo, Alessandro Palummo, Laura Sangalli, Regularized functional partial least squares regression of neuroimaging data

Dario Frisardi, Adaptive Elastic-net estimation for ergodic diffusion processes

Aldo Gardini, Fedele Greco, Carlo Trivisano, Investigating auxiliary mixture sampling for Poisson regression models

Matteo Gianella, Alessandra Guglielmi, Model-based clustering of spatial time series through the BayesMix library

Discussant: Carlo Cavicchia, Sapienza University of Roma

Room B - CONT29

New Ideas in spatial statistics

Luca Aiello, Sirio Legramanti, Lucia Paci, A spatial product partition model for PM10 data

Eleonora Arnone, Matteo Tomasetto, Laura Sangalli, Estimating spatial anisotropy in semiparametric regression with differential regularization

Francesco Finazzi, Luca Aiello, Lucia Paci, A Bayesian cure model for earthquake parameter estimation using crowdsourced smartphone data

Michela Frigeri, Leonardo Marchesin, Matteo Coppellotti,, Alessandra Guglielmi, Bayesian binomial regression model for ozone levels in northern Italy

Luca Presicce, Sudipto Banerjee, Bayesian meta-learning approach for feasible large spatial analysis

Discussant: Michela Cameletti, University of Bergamo

Room C - CONT30

Finance

Leonardo Becarelli, Luca Trapin, Financial institution confidence index with Natural Language Processing

Alessandro Bitetto, Paola Cerchiello, How sustainability affects trading for Initial Coin Offering

Francesca Condino, A direct estimate of Lorenz curve and inequality measures in European countries

Beatrice Foroni, Lea Petrella, Luca Merlo, Hidden Markov graphical models with generalized hyperbolic distributions: a financial analysis on commodities and green energy indexes

Demetrio Lacava, Paolo Santucci de Magistris, Forecasting illiquidity tail risk and its economic determinants

Discussant: Maria Iannario, Federico II, University of Napoli

13:30 - 14:30

Lunch

Room Leogrande - SMA board meeting

14:30 - 15:15

Room Leogrande - P-PLEN3

Realistically complex spatio-temporal modelling - responsibilities, challenges and fallacies

Janine Illian, University of Glasgow

Organizer: Mariangela Sciandra, University of Palermo

Chair: Francesco Lagona, Roma Tre University

Room A - P-PLEN4

Statistical learning in healthcare: towards a new paradigm of research

Francesca Ieva, Polytechnic of Milano

Organizer: Giorgia Zaccaria, Bicocca University of Milano

Chair: Cinzia Viroli, University of Bologna

15:15 - 16:15

Room Leogrande - SOLI23

The diverse dimensions of population ageing

Marco Cozzani, Maria Elisabetta Coccia, Emilia Giusti, Sara Landini, Valentina Tocchioni, Daniele Vignoli, No socio-economic differences in MAR treatment success: evidence from Careggi hospital, Italy

Rocco Mazza, Thais Garcia Pereiro, Anna Paterno, Ageing and migration in Italy: a Partial Least Squares path model analysis of demographic behaviours

Corrado Polli, Valentina Ferri, Rita Porcelli, Skill obsolescence and lifelong learning in the ageing workforce: the effect on job satisfaction

Lucia Zanotto, Roberto Impicciatore, Life trajectories after 50 years of age. A sequence analysis approach

Organizer: Eleonora Trappolini, Sapienza University of Roma

Chair: Eleonora Trappolini, Sapienza University of Roma

Room A - SOLI24

Advances in Bayesian computations

Martina Amongero, Pierpaolo De Blasi, A Gibbs sampler for community detection in assortative Stochastic Block Model

Nicolas Bianco, Mauro Bernardi, Daniele Bianchi, Approximate Bayesian inference for dynamic variable selection

Valentina Ghidini, Hierarchical Dirichlet-multinomial model for clustering in multiplex networks

Francesco Pozza, An application of skew-symmetric approximations of posterior distributions to logistic regression

Organizer: Filippo Ascolani, Duke University

Chair: Filippo Ascolani, Duke University

Room De Trizio - SOLI25

Advances in clustering for complex data

Andrea Cappozzo, Learning from multiple annotators: an ensemble model based classification approach

Carlo Cavicchia, Thomas Brink, Mixed data convex clustering

Salvatore D. Tomarchio, Antonio Punzo, Johannes T. Ferreira, Andriette Bekker, Revisiting the Dirichlet distribution for model-based clustering

Edoardo Redivo, Cinzia Viroli, Maurizio Brizzi, Clustering complex data via mixtures of quantile-based factor analyzers

Organizer: Ilaria Bombelli, Sapienza University of Roma

Chair: Ilaria Bombelli, Sapienza University of Roma

Room B - SOLI26

Advances in compositional data analysis and visualization

Gianna Monti, Matteo Pelagatti, Detecting association in microbiome compositional data: a novel approach

Francesco Porro, Fabio Rapallo, Sara Sommariva, Dimensionality reduction of compositional data with structural zeros: a case study

Jordi Saperas Riera, Glòria Mateu Figueras, Josep Antoni Martín Fernández, Balance selection for low dimension: the time-use case

Violetta Simonacci, Nickolay Trendafilov, Valentin Todorov, Sparse RRR model for compositional data

Organizers: Caterina Gozzi, University of Firenze, Violetta Simonacci, Federico II University of Napoli

Chair: Caterina Gozzi, University of Firenze

Room C - SOLI27

Experimental approaches in Social Sciences

Giovanni Busetta, Fabio Fiorillo, Labor market discrimination and economic outcomes in European regions: an in-depth exploration

Giovanni Busetta, Irma Baraku, Discrimination in the labor market: An analysis of European countries to determine effective policy measures

Raffaele Guetto, Giammarco Alderotti, Daniele Vignoli, Can policy reforms enhance fertility? An ex-ante evaluation through factorial survey experiments

Louis Lippens, Humans vs GPTs: evaluating bias and validity in hiring decisions

Organizer: Antonino Di Pino Incognito, University of Messina

Chair: Giancarlo Ragozini, Federico II University of Napoli

16:15 - 16:45

Coffee break

16:45 - 17:45

Room Leogrande - SIS Presidential Plenary Session

17:45 - 18:30

Room Leogrande - SIS General Meeting