



PROGRAMME

DSSR 2025

Data Science & Social Research

February 19-21, 2025
University "G. d'Annunzio", Chieti-Pescara, Italy



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PRIN 2022 PNRR

TOLERANT – Identification and Critical Analysis of Online Racism and
Xenophobia against (Im)migrants and Roma people.

P2022APKJL – CUP D53D23020400001

PRIN 2022 PNRR

SLIDE – Stochastic Modeling of Compound Events.

P2022KZJTZ – CUP D53D23018920001 (di Pescara)

PRIN 2022

CoEnv – Complex Environmental Data and Modeling.

2022E3RY23 – CUP D53D23011080006

PRIN 2022 PNRR

SUST.FU.ToUR – The future of sustainability

P2022B3NFH – CUP D53D23020110001 (di Pescara)

BAC Project "Growing Resilient, INclusive and Sustainable" (GRINS), SPOKE 0 &
2 – PE0000018.

HAIRQ-MAP – High-resolution data fusion for AIR Quality MAPping

CUP J33C22002910001



Venue and information

Pescara Campus

Viale Pindaro 42, 65127 Pescara, IT

[Google Maps](#)

Pescara is an Italian city on the Adriatic coast. It is known for its beaches and as the birthplace of the poet Gabriele D'Annunzio. On the other hand, Chieti is among the most ancient of Italian cities, according to a legend, the city was founded by Achille and was named Thetis in honor of his mother. The territory offers a mix of nature, suggestive landscapes and sport. The Adriatic coast is characterized by long and sandy beaches to the north and pebbly beaches to the south. Also, the small villages of the hinterland, as well as the monasteries and castles of the region, are very charming and a part of many touristic routes in this the "greenest region" in Italy.

How to reach us: [link](#)



19th of February, Wednesday

Time	Room 31	Room 33	Room 35	Room 27
11:00-11:30	Institutional Greetings			
11:30-12:30	CON-1: Advances in economics	CON-2: Tourism Preferences, Impact and Trends		
12:30-13:30	Lunch - Room 28			
13:30-14:30	INV-1: Methodological and Institutional design for the development of the Mid Adriatic Hipercity metropolitan area	INV-2: Social Data Science, Artificial Intelligence, and Social Change	INV-3: Identifying and Counteracting Online Misogyny in Cyberspace (ICOMIC Project)	
14:30-15:30	INV-4: Advanced Clustering and Multilevel Analysis Techniques for Complex Data,	INV-5: Scientific Knowledge Analysis in Health.	INV-6: Social Data Science, Artificial Intelligence, and Social Change.	INV-7: Data sciences for socio-territorial indicators
15:30-16.00	Coffee break - Room 28			
16:00-17.15	Round Table: AI and the Future of Social Research: Epistemological, Methodological, and Ethical Insights			
17:15-18.30	INV-8: Resilience as a mental view on future	INV-9: Data Integration in Social research: Leveraging New and Traditional Sources for a Complex Future	INV-10: Complex Environmental Processes and Modeling of Compound Events (PRIN PNRR 2022 SLIDE)	INV-11: Research on Information and Computational Economics (RICE).

20th of February, Thursday

Time	Room 31	Room 33	Room 35	Room 27
09:00-10:00	INV-12: Exploring Futures: Approaches, Methodologies, and Visualizations for Scenario Development	INV-13: Advanced models for financial data and risk assessment.	INV-14: Measuring and Modelling Violence Against Women: Innovative Strategies for Data Analysis	INV-15: Student mobility and inequalities in higher education
10:00-10:30	Coffee break - Room 28			
10:30-11.30	INV-16: Causal inference approaches to study health and wellbeing	INV-17: Methods and Models for Educational Data	INV-18: Data science and AI for healthcare services.	INV-19: Functional data analysis.
11:30-12:30	Plenary session 1: Federico A. LASCO. Preferenze virtuali, mobilità vincolate, esperienze reali: aspettative, rendite e catena del valore nel futuro del turismo. Le politiche fanno la differenza?			
12:30-13:30	Lunch - Room 28			
13:30-14:30	Plenary session 2: Stefano M. IACUS . Rethinking Scale: The Efficacy of Fine-Tuned Open-Source LLMs in Large-Scale Reproducible Social Science Research			
14:30-15:30	INV-20: Futures Research Methodology: Models and Applications for Sustainable Tourism (PRIN 2022 PNRR - SUST.FU.ToUR)	INV-21: Co-authorship networks: challenges in data collection and statistical modelling.	INV-22: Sustainable and circular management of Italian waste sector in the framework of the National Recovery and Resilience Plan (PRIN 2022 PNRR - C.E.Ma.Si.P. Project)	INV-23: Methodological Challenges and Insights in Researching People's Relationship with Artificial Intelligence
15:30-16:30	INV-24: Researching with/about AI.	INV-25: Environmental attitudes, behaviors, and awareness in Italy	CON-4: Advances and Applications of NLP Techniques	INV-26: Statistical methods for socio-economic applications.

20th of February, Thursday (Social events)

16:30	End of sessions and transfer to the Museum
17:00	Coffee break - "Genti d'Abruzzo" Museum
17:20	Guided tour of the "Genti d'Abruzzo" Museum, Via delle Caserme, 24 - Pescara
18:30	Concert by the choir UdAlnCanto of the G. d'Annunzio University
19:30	Bus departure for the social dinner
20:00	Social Dinner at CASTELLO DI SEPTE

21st of February, Friday

Time	Room 31	Room 33	Room 35	Room 27
10:00-11:00	INV-27: Identification of Online Racism and Xenophobia (PRIN PNRR 2022 TOLERANT) (1)	INV-28: New approaches and measures to address changing society.	INV-29: Environmental Modelling and Complex Data Integration (PRIN 2022 CoEnv and BAC-GRINS HAIRQ-MAP)	INV-30: Data-Driven Approaches to Financial Integrity and Local Governance: Case Studies and Insights.
11:00-11:30	Coffee break - Room 28			
11:30-13:00	Round Table: AI@work.			
13:00-14:00	Lunch - Room 28			
14:00-15:00	INV-31: Identification of Online Racism and Xenophobia (PRIN PNRR 2022 TOLERANT) (2).	INV-32: Methods and Applications for Complex Data	INV-33: Advanced Data Analytics in Socio-Economic Indicators	INV-34: Socio-economic perspectives for a sustainable future
15:00-16:00	CON-5: Health Models, Literacy, and Food Deprivation	CON-6: Smart Living and Social Surveys	CON-7: Social Media Analytics	
16:00-16:30	Greetings			
16:30	Networking Aperitif			

Detailed program (19/02)

11:00-11.30

Institutional Greetings (Room 31)

11:30-12:30

CON-1: Advances in economics (Room 31)

Chair: *Adelia Evangelista*

- 1) The Sustainability Challenge: Theoretical Implications for Contemporary Production and Consumption Dynamics (**Edoardo Di Giovanni, Edgardo Bucciarelli**).
- 2) Studying Public Policy and Italian 2023 Pre-defined Tax Scheme: Quantum Methodological Insights. (**Salvatore Villani, Edgardo Bucciarelli, Casimiro M. Insardi**).
- 3) Modelling Strategic Interactions in Economic Games: The Emerging Role of Heuristics, Inequality, and Uncertainty (**Edgardo Bucciarelli, Pierluigi Sacco, Aurora Ascatigno, Alessia Regnicoli**).

CON-2: Tourism Preferences, Impact and Trends (Room 33)

Chair: *Alfredo Cartone*

- 1) Vacation preferences and travel experiences of Italian senior tourists (**Claudia Marin, Angela Maria D'Uggento, Ernesto Toma, Ilaria Pepe**).
- 2) Enhancing Tourism Demand Forecasting in Italy: Integrating OTA Data and CPI Trends with Statistical and Deep Learning Models (**Fabrizio Antolini, Samuele Cesarini, Ivan Terraglia**).
- 3) Tourism, Crime and Quality of Life: a first analysis (**Paolo Mariani, Mariangela Zenga**).
- 4) Defining a composite index to measure socio-economic inequalities at a micro spatial scale (**David Benassi, Antonio De Falco**).

12:30-13:30

Lunch - Room 28

13:30-14:30

INV-1: Methodological and Institutional design for the development of the Mid Adriatic Hipercity metropolitan area (Room 31)

Organizer and Chair: *Andrea Pitasi*

- 1) Mid-Adriatic Hypercity, culture and creativity (**Cecilia Serafini**).
- 2) Nuova Pescara as a Hyper-City: Challenges and Issues of a Merger Project (**Massimo Angrilli, Valentina Ciuffreda, Ilaria Matta, Alessia Brisdelli**).
- 3) The 21st Century Urban Landscape: The Gender Perspective Approach (**Adele Bianco**).

INV-2: Social Data Science, Artificial Intelligence, and Social Change (1) (Room 33)

Organizer and Chair: *Mara Maretti*

- 1) Innovative Approaches to Sustainable Tourism: Integrating Scenario Workshops and Participatory Scenario Planning (**Guido Capanna Piscè, Luca Giraldi, Luca Olivari**).
- 2) Science Communication about COVID-19: Politicization and Depoliticization of Science in the Italian Case (**Alessandra de Luca, Mara Maretti**).
- 3) The role of data in ecoliteracy: an EcoAI for sustainability (**Gianfranco Rubino**).

INV-3: Identifying and Counteracting Online Misogyny in Cyberspace (ICOMIC Project) (Room 35) **Organizer and Chair:** *Annalina Sarra*

- 1) Leveraging Human Expertise for Better Understanding and Addressing Online Misogyny (**Emiliano del Gobbo, Alex Cucco, Lara Fontanella, Elisa Ignazzi, Sara Fontanella**).
- 2) Mapping the Italian Manosphere: Language, Self-Representation, and Network Analysis of Misogynistic Communities. (**Elisa Ignazzi, Mara Maretti, Lara Fontanella**).
- 3) Foresight and strategies to address online misogyny: Insights from a Delphi scenario analysis (**Simone Di Zio, Lara Fontanella, Alice Tontodimamma**).
- 4) Beyond Misogyny Detection: Investigating Bias and Embracing Perspectivism (**Giulia Rizzi, Elisabetta Fersini**).

Detailed program (19/02)

14:30-15:30

INV-4: Advanced Clustering and Multilevel Analysis Techniques for Complex Data (Room 31) Organizer and Chair: *Stefano Antonio Gattone*

1) Clustering methods for Compound Extremes based on the Wasserstein distance (**Regina Castrovilli, Fabrizio Durante, Daniela Gallo, Gianfausto Salvadori**).

2) Integrating fuzzy clustering and dimensionality reduction for enhanced analysis of large datasets on high-dimensional social phenomena (**Mariaelena Bottazzi Schenone, Maurizio Vichi**).

3) Local fit measures in multilevel cross-classified latent class models (**Nicola Piras, Silvia Columbu, Jeroen K. Vermunt**).

INV-5: Scientific Knowledge Analysis in Health (Room 33). Organizer: *Massimo Aria, Maria Spano*. Chair: *Massimo Aria*

1) From Scientific Production to Practical Insights: Turning Health Research into Decision-Making Tools (**Massimo Aria, Carlo Alabiso, Corrado Cuccurullo, Luca D'Aniello, Maria Spano**).

2) C.A.R.E. plot: An Innovative Tool to Assist Italian Triage System (**Corrado Crocetta, Maria Gabriella Grassia, Camilla Massa, Rocco Mazza, Simone Paesano, Francesca Paola Pastena, Dario Sacco**).

3) Mapping Hard-to-Reach Populations: a Data-Driven Approach to Digital Healthcare Accessibility in Italy carried out as part of the Project Digital Health Solutions in Community Medicine project (DHEAL-COM) (**Fabio Corbisiero, Pasquale Cortese, Carmine Urciuoli**).

INV-6: Social Data Science, Artificial Intelligence, and Social Change (2) (Room 35) Organizer *Mara Maretti*. Chair: *Elisa Ignazzi*

1) Analyzing 'hidden affordances' in visual generative models: a digital sociology research protocol (**Guido Anselmi, Claudia Cantale**).

2) Artificial Intelligence Revolution and Humanity: Challenges, Opportunities and Expert Insights (**Davide Pedone, Elisa Ignazzi**).

3) Homophily and Insularity Dynamics in an Echo Chambers: Computational Models for the Study of the Conspiracy Subculture in Facebook (**Vanessa Russo, Giulia Andrighetto, Mara Maretti, Eugenia Polizzi, Federico Cecconi**).

INV-7: Data sciences for socio-territorial indicators (Room 27)

Organizer: *Agostino Stavolo, Maria Gabriella Grassia*. Chair: *Agostino Stavolo*

1) Official Statistics and Machine Learning: Spatial Analysis from Remote Sensing Images (**Fabrizio De Fausti, Marco Di Zio, Orietta Luzi, Stefano Mugnoli**).

2) Clusterwise regression for missing data imputation: application to Italian green companies indicators (**Gianmarco Borrata, Antonio Balzanella, Raffaele Mattera, Rosanna Verde**).

3) Exploring the relationship between tourism and urban deprivation: a longitudinal study on Matera (**Rosanna Cataldo, Marina Marino, Rocco Mazza, Agostino Stavolo**).

15.30-16:00

Coffee break - Room 28

16:00-17:15

Round Table 1: AI and the Future of Social Research: Epistemological, Methodological, and Ethical Insights (Room 31)

Organizer: *Mara Maretti.*

Moderator: *Enrica Amaturro*

Speakers:

- *Stefano Iacus, Harvard University*
- *Fabrizio Martire, Sapienza University of Rome*
- *Federico Neresini, University of Padua*
- *Luigi Pellizzoni, Scuola Normale Superiore, Florence*

17:15-18:30

INV-8: Resilience as a mental view on future (Room 31)

Organizer and Chair: *Luigi Fabbri*

- 1) "What doesn't kill you makes you stronger": A new scale to measure resilience as both recovering and strengthening people's ability (**Clelia Cascella, Luigi Fabbri**).
- 2) The COVID-19 experience as a turning point for youth's behaviours (**Luigi Bollani, Angela Maria D'Uggento, Luigi Fabbri**).
- 3) Resilience, trust in science, and future outlooks: Perspectives of Italian youth in the post-pandemic era (**Luigi Bollani, Simone Di Zio, Luigi Fabbri**).
- 4) Social priorities and future perspectives of Italian young adults engaged in volunteering activities (**Angela Maria D'Uggento, Luigi Fabbri, Mariangela Zenga**).

17:15-18:30

INV-9: Data Integration in Social research: Leveraging New and Traditional Sources for a Complex Future (Room 33)

Organizer: *Fabio Crescenzi, Alessandra Righi*. **Chair:** *Fabio Crescenzi*

- 1) Relevance and quality of survey data for the training set supporting population census counting (**Antonio Laureti Palma, Gerardo Gallo**).
- 2) Evolution of 2021 enumeration areas (**Alberto Sabbi, Stefano Mugnoli, Fabio Lipizzi, Giovanni Lombardo**).
- 3) Tracking Social Change in Italy: The Italian Online Probability Panel of the FOSSR project (**Luciana Taddei, Michele Santurro, Mario Paolucci**).
- 4) Assessment study of AIS data for their use in the Maritime Transport Statistics (**Marco Di Zio, Angela Pappagallo, Norina Salamone, Luca Valentino**).

INV-10: Complex Environmental Processes and Modeling of Compound Events (PRIN PNRR 2022 SLIDE) (Room 35)

Organizer and Chair: *Luigi Ippoliti*

- 1) Modeling Rainfall Induced Slides (**Carlo Zaccardi, Luigi Ippoliti, Pasquale Valentini, Giovanna Vessia**).
- 2) Semi-Supervised Learning for Time Series Clustering Using Copulas (**Alessia Benevento, Fabrizio Durante, Roberta Pappadà**).
- 3) Statistical analysis on a river network: insights from graphical models (**Nicola Pronello, Rosaria Ignaccolo, Sara Castiglia, Vito Frontuto, Natalia Golini, Luigi Ippoliti**).
- 4) Bayesian inference for discrete spatio-temporal Gaussian hidden Markov models (**Daniele Tancini, Riccardo Rastelli, Francesco Bartolucci**).

INV-11: Research on Information and Computational Economics (RICE) (Room 27)

Organizer: *Edgardo Bucciarelli, Raffaele Dell'Aversana*. **Chair:** *Edgardo Bucciarelli*

- 1) Subjective Probability and Prospect Theory: An Algorithmic Approach Towards a Unified Theory (**Raffaele Dell'Aversana, Edgardo Bucciarelli**).
- 2) How does the Evolution of European Sustainability Regulation Affect Corporate Financial Performance? Modelling, Simulation, and Game Development (**Edgardo Bucciarelli, Alessia Regnicoli, Aurora Ascatigno**).
- 3) A Quantum Approach to Conjunction Fallacy and Category Assignment: Experimental Evidence (**Edgardo Bucciarelli, Casimiro M. Insardi, Aurora Ascatigno**).

Detailed program (20/02)

09:00-10.00

INV-12: Exploring Futures: Approaches, Methodologies, and Visualizations for Scenario Development (Room 31)

Organizer: *Mara Di Berardo, Yuri Calleo.* **Chair:** *Mara di Berardo*

- 1) The revenge of Laplace's Demon: On the revival of determinism in futures thinking, and its fallacies (**Roberto Paura, Carolina Facioni**).
- 2) Discovering Collectible Design: A Delphi Method Approach (**Laura Benedan, Federica Codignola, Carlotta Galeone, Paolo Mariani**).
- 3) Rethinking Futures Studies: Probability and Futures Studies as a Natural Synergy (**Rocco Santoro**).
- 4) Enhancing Delphi outputs exploring visual communication modalities for future scenarios representation (**Yuri Calleo, Andrea Barbato, Davide Barbato, Mara Di Berardo, Manuela Scioni, Marco Marozzi, Simone Di Zio, Mario Bolzan**).

INV-13: Advanced models for financial data and risk assessment (Room 33)

Organizer and Chair: *Francesca Fortuna*

- 1) Identifying patterns in time series using Weighted Clustering in the Time-Frequency Domain (**Antonio Balzanella, Francesca Fortuna, Alessia Naccarato**).
- 2) LHP approximation for green/brown loans credit portfolios (**Alessandro Ramponi, Sergio Scarlatti**).
- 3) Centrality as a predictor of financial crises: Analyzing BIS data with panel logit regression (**Roy Cerqueti, Antonio Iovanella, Raffaele Mattera, Saverio Storani**).

INV-14: Measuring and Modelling Violence Against Women: Innovative Strategies for Data Analysis (Room 35)

Organizer: *Fiorenza Deriu, Cristina Mollica.* **Chair:** *Fiorenza Deriu*

- 1) Hidden Violence: A Spatial Poigit Model for Estimating Underreported Cases of Violence Against Women (**Greta Panunzi, Silvia Polettini, Serena Arima**).
- 2) Violence against women: how to overcome the underreporting and using Big Data to frame the phenomenon (**Claudia Villante, Maria Giuseppina Muratore**).
- 3) Stereotypes feeding intimate violence: what has changed over time. The Italian experience (**Isabella Corazziari, Maria Giuseppina Muratore, Lucilla Scarnicchia, Claudia Villante**).

Detailed program (20/02)

09:00-10.00

INV-15: Student mobility and inequalities in higher education (Room 27)

Organizer: *Margherita Silan, Elisa Cisotto*. **Chair:** *Margherita Silan*

- 1) Gender gap/disparities in academic collaboration network (**Francesco Santelli, Amin Gino Fabbrucci Barbagli, Alessia Forciniti, Ilaria Marotta**).
- 2) Gender differences in enrolment choices in Italy: a focus on Sicilian inner-areas (**Marina Chiaramonte, Andrea Priulla, Massimo Attanasio**).
- 3) Social Inequality and Student Mobility from Southern to Northern Italy. An Analysis of the Interplay between Social Origin, Academic Achievement and Track at Upper Secondary Education (**Andrea Priulla, Eleonora Miaci, Nazareno Panichella**).

10:00-10.30

Coffee break - Room 28

10:30-11:30

INV-16: Causal inference approaches to study health and wellbeing (Room 31)

Organizer: *Giovanna Boccuzzo, Bruno Arpino*. **Chair:** *Giovanna Boccuzzo*

- 1) The Effect of Remote Contact Patterns During the COVID-19 Lockdown on Older Peoples' Loneliness: A Doubly Robust Approach to Propensity Score Weighting with Gradient Boosted Regression (**Gaetano Tedesco, Bruno Arpino**).
- 2) The Unseen Burden: Examining the Health Effects of Informal Caregiving in Italy (**Elisa Cisotto, Margherita Silan, Alessandra De Rose, Giulia Cavrini**).
- 3) Integrating Structural Equation Modelling and Causal Discovery in Epidemiology (**Claudia Franceschini, Giovanna Boccuzzo, Valerie Tikhonoff**).

INV-17: Methods and Models for Educational Data (Room 33)

Organizer: *Maria Prosperina Vitale, Isabella Sulis*. **Chair:** *Maria Prosperina Vitale*

- 1) Assessing the gender peer effect and gender stereotypes in university enrolment in Italy (**Valentina Tocchioni, Samuele Milone, Gabriele Lombardi**).
- 2) Evaluating the Impact of Teacher Practices on High School Students' Performance: Evidence from the INVALSI Survey (**Nunzia Brancaccio, Iacopo Moreschini, Isabella Sulis, Maria Prosperina Vitale**).
- 3) The Building Blocks of Peer Effect in Educational Choices (**Angela Pacca, Giuseppe Giordano**).

Detailed program (20/02)

INV-18: Data science and AI for healthcare services (Room 35) **Organizer:** *Rocco Mazza, Marina Marino*. **Chair:** *Rocco Mazza*

- 1) Digitalizing clinical records to identify typological profiles and disease progression in Alzheimer's patients (**Agostino Stavolo, Mauro Cataldi, Daniela Femminella**).
- 2) Best Practices for Clinical Applications (BPCA) in Inguinal Hernia Management (**Maria Gabriella Grassia, Camilla Massa, Salvatore Massa, Rocco Mazza, Simone Paesano**).
- 3) New Tools for Evaluating Intra-Operative Flows: Preliminary Analyses (**Salvatore Lamagna , Federica D'Agostino, Valentina Di Palma, Salvatore Massa**).

INV-19: Functional data analysis (Room 27)

Organizer and Chair: *Tonio Di Battista*

- 1) Clustering curves in functional subspaces (**Roberto Rocci, Stefano Antonio Gattone**).
- 2) Functional and classical approaches to predict carbon emissions from electricity generation: a comparative study (**Pierdomenico Dutillo, Francesco Lisi**).
- 3) Penalized Model-Based Clustering for Complex Functional Data: Applications in Spatial Clustering (**Nicola Pronello, Rosaria Ignaccolo, Natalia Golini, Luigi Ippoliti, Sara Fontanella**).

11:30-12:30

Plenary session 1 (Room 31): **Preferenze virtuali, mobilità vincolate, esperienze reali: aspettative, rendite e catena del valore nel futuro del turismo. Le politiche fanno la differenza? - Federico A. LASCO, Dirigente Generale Ministero del Turismo**

Moderator: Corrado Crocetta

12:30-13:30

Lunch - Room 28

13:30-14:30

Plenary session 2 (Room 31): **Rethinking Scale: The Efficacy of Fine-Tuned Open-Source LLMs in Large-Scale Reproducible Social Science Research. - Stefano M. IACUS, Harvard University.**

Moderator: Emma Zavarrone

Detailed program (20/02)

14:30-15:30

INV-20: Futures Research Methodology: Models and Applications for Sustainable Tourism (PRIN 2022 PNRR - SUST.FU.ToUR) (Room 31)

Organizer: *Mario Bolzan, Simone Di Zio*. **Chair:** *Mario Bolzan*

- 1) State of the Future Index for setting policy priorities (**Elizabeth Florescu, Theodore J. Gordon**).
- 2) Advancing the State of the Future Index: a comparative approach to measurement in the European Union (**Leonardo Salvatore Alaimo, Simone Di Zio, Yuri Calleo**).
- 3) Generative pre-trained transformers in policy design: early results from family policy scenarios in north-eastern Italy (**Yuri Calleo, Manuela Scioni, Marco Marozzi, Mario Bolzan, Simone Di Zio**).

INV-21: Co-authorship networks: challenges in data collection and statistical modelling (Room 33)

Organizer: *Susanna Zaccarin, Domenico De Stefano*. **Chair:** *Susanna Zaccarin*

- 1) Hypegraph and Relational Hypervent Models in Collaborative Networks (**Domenico De Stefano, Amin Gino Fabbrucci Barbagli, Francesco Santelli, Susanna Zaccarin**).
- 2) Impact of Formal and Informal Collaborations on Academic Performance in Italy (**Roberto Casaluce, Rosario G. D'Agata**).
- 3) Egocentric network analysis of co-authorship relationships among scholars affiliated with Italian universities (**Gianpaolo Caprino, Viviana Amati**).

INV-22: Sustainable and circular management of Italian waste sector in the framework of the National Recovery and Resilience Plan (PRIN 2022 PNRR - C.E.Ma.Si.P. Project) (Room 35)

Organizer and Chair: *Agnese Rapposelli*

- 1) Is There an Intellectual Interaction between Academic Research and Industrial Policy? Measuring the Proximity Between the Italian Economic Research and the National Recovery and Resilience Plan (**Marialisa Mazzocchitti, Alessandro Sarra**).
- 2) The role of environmental regulations thresholds on waste management practices in Italian regions in a circular economy perspective: A novel MMQR approach (**Aamir Javed, Agnese Rapposelli**).
- 3) The role of benchmarking in the management of separate waste collection in Italian provinces (**Massimiliano Agovino, Katia Marchesano, Gaetano Musella**).
- 4) Multidimensional Fast Iterative Filtering method for the decomposition of high-dimensional non-stationary signals (**Roberto Cavassi, Antonio Cicone, Enza Pellegrino**).

Detailed program (20/02)

14:30-15:30

INV-23: Methodological Challenges and Insights in Researching People's Relationship with Artificial Intelligence (Room 27)

Organizer and Chair: *Davide Bennato*

- 1) The Combinatorial Creativity of a Chatbot (**Simone D'Alessandro**)
- 2) Virtual bodies, real agendas: Gender, Authenticity, and Political Positioning in the Virtual Persona of Francesca Giubelli (**Selenia Anastasi**).
- 3) Falling in Love with a Chatbot to the Point of Suicide: Analysis of the Character AI Case and Algorithm Testing (**Simona Canino**).
- 4) Beyond Human: The Influence of AI Characters on Consumer Behavior in the Digital Realm (**Nicola Strizzolo, Franco Campitelli**).

15:30-16:30

INV-24: Researching with/about AI (Room 31) **Organizer:** *Biagio Aragona, Sonia Stefanizzi*. **Chair:** *Biagio Aragona*

- 1) Addressing the Implications of Automated Decision-Making: A Delphi Approach to Scenario Development for Emerging AI Technologies (**Vincenzo Esposito, Cristiano Felaco, Biagio Aragona**).
- 2) Unpacking YouTube videos narratives on Artificial Intelligence (**Francesco Amato, Mattia De Angelis**).
- 3) AI-Powered Methods to Accelerate Social Research: Innovative Strategies for Addressing Pressing Social Issues (**Francesco Amato, Vincenzo Laezza**).

INV-25: Environmental attitudes, behaviors, and awareness in Italy (Room 33) **Organizer and Chair:** *Manuela Scioni*

- 1) Attitudes and Environmental Behaviours: A Comparison Between Millennials and Generation Z Background Data (**Cisotto Elisa, Luppi Francesca, Bonanomi Andrea, Rosina Alessandro**).
- 2) How to inspire Italy's next generation of Eco-Consumers: An online survey experiment (**Gabriele Lombardi, Alessio Muscillo, Elena Sestini, Elisa Castellaccio, Francesca Garbin, Paolo Pin**).
- 3) The environment around us: statistical insights into community perceptions using PASSI data (**Mattia Stival, Angela Andreella, Gaia Bertarelli, Enrica De Cian, Catarina Midões**).

Detailed program (20/02)

15:30-16:30

CON-4: Advances and Applications of NLP Techniques (Room 35)

Chair: *Emiliano del Gobbo*

- 1) Empowering change: harnessing predictive models and NLP for effective communication strategies to combat gender-based violence (**Emma Zavarrone, Alessia Forciniti**).
- 2) Navigating islands to uncover structural holes: the analysis of knowledge flows in social science methodology (**Giuseppe Giordano, Maria Carmela Catone**).
- 3) Bias in Synthetic Data of Food Consumption (**Davide Miceli, Sara Mariottini, Fabio Ferri, Ilaria Primerano, Priscilla Salmi**).

INV-26: Statistical methods for socio-economic applications (Room 27)

Organizer and Chair: *Andrea Marletta*

- 1) The Evolution of Required Skills in Italian Digital professional profiles: Soft Skills and Recruitment Dynamics (**Paolo Mariani, Andrea Marletta, Daniele Pirotta, Mariangela Zenga**).
- 2) Dynamic trajectories of gender gaps in Europe: a cluster analysis of progress and persistent inequalities (**Erika Grammatica, Francesca Greselin, Mariangela Zenga**).
- 3) Quantum neural networks for medical data: A statistical analysis of quantum performance (**Matteo Borrotti, Francesco Ghisoni, Paolo Mariani**)

Detailed program (20/02) - Social Events

16:30

End of sessions and transfer to the Museum

17:00

Coffee break - "Genti d'Abruzzo" Museum

17:20

Guided tour of the "Genti d'Abruzzo" Museum, Via delle Caserme, 24 - Pescara

18:30

Concert by the choir "UdAlnCanto" of the G. d'Annunzio University (Same venue)

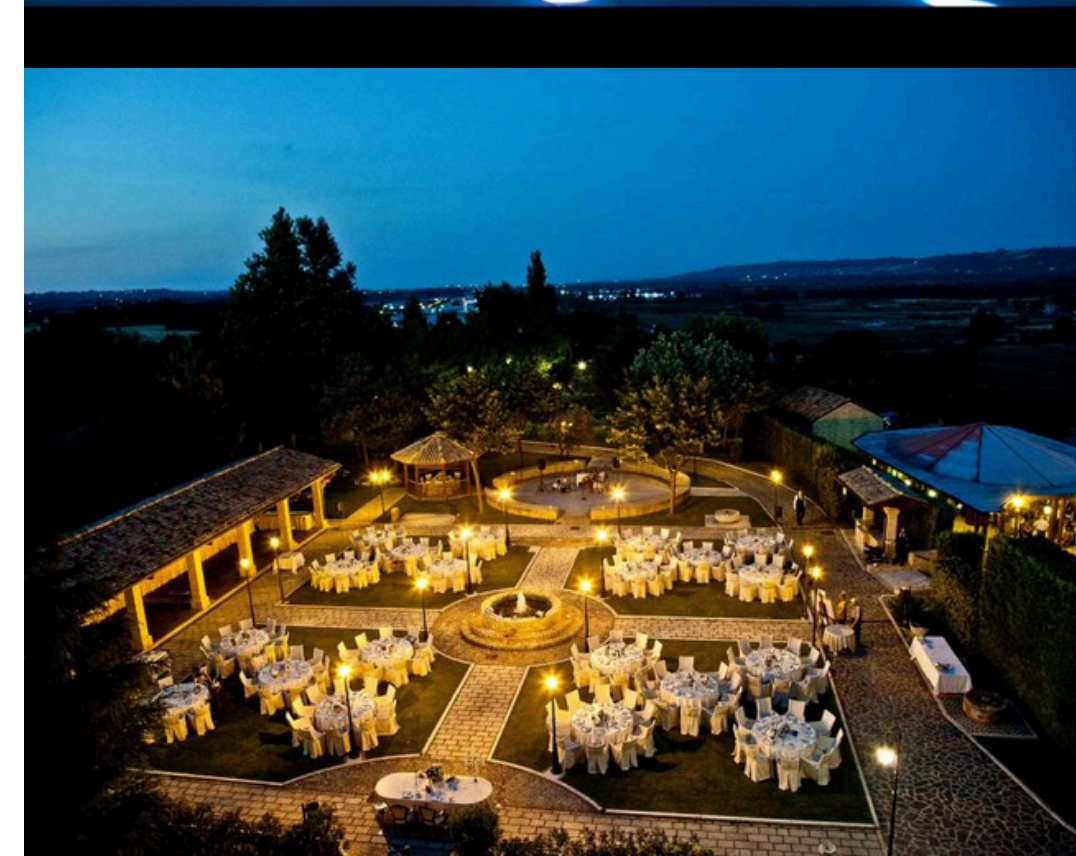
19:30

Bus departure for the social dinner

20:00

Social Dinner at CASTELLO DI SEPTE

(Castello di Septe, 20 – 66030 Mozzagrogna CH)



Detailed program (21/02)

10:00-11.00

INV-27: Identification of Online Racism and Xenophobia (PRIN PNRR 2022 TOLERANT) (1) (Room 31)

Organizer: *Michelangelo Misuraca, Giuseppe Giordano*. **Chair:** *Michelangelo Misuraca*

- 1) Identifying network patterns of hate speech on social media (**Luca De Benedictis, Giuseppe Giordano, Maria Prosperina Vitale**).
- 2) Challenges and approaches in creating a comprehensive dataset for annotating Italian online perspectives (**Alex Cucco, Emiliano del Gobbo, Lara Fontanella**).
- 3) Narratives on Immigration: A Comparative Analysis of Italian Press Across Different Governments (**Gemano Nocera, Valeria Policastro, Giancarlo Ragozini**)

10:00-11.00

INV-28: New approaches and measures to address changing society (Room 33)

Organizer and Chair: *Alessia Naccarato*

- 1) Residential segregation and accessibility: an integrated multi-data approach to mapping urban inequalities at a fine spatial scale. (**Federico Benassi, Antonio De Falco**).
- 2) Measuring Socio-economic Phenomena by using Generalised Structural Component Analysis: An Application to Subjective Well-being (**Leonardo Salvatore Alaimo**).
- 3) Complexity reduction of multi-dimensional ordinal data systems using bucket orders (**Marco Fattore**).

10:00-11.00

INV-29: Environmental Modelling and Complex Data Integration (PRIN 2022 CoEnv and BAC-GRINS HAIRQ-MAP). (Room 35)

Organizer: *Pasquale Valentini, Rosalba Ignaccolo*. **Chair:** *Pasquale Valentini*

- 1) Linear and non-linear Spectral Methods for Spatial Downscaling (**Luigi Ippoliti, Tonio Di Battista, Luigi Di Carlo, Stefania Fensore, Eugenia Nissi, Pasquale Valentini, Carlo Zaccardi**).
- 2) Air quality data fusion using fixed rank kriging (**Alessandro Fusta Moro, Alessandro Fassò**).
- 3) Data integration for abundance mapping (**Natalia Golini, Giacomo Zoppi, Rosaria Ignaccolo, Michela Cameletti, Anna Lo Presti**).

Detailed program (21/02)

10:00-11.00

INV-30: Data-Driven Approaches to Financial Integrity and Local Governance: Case Studies and Insights (Room 27)

Organizer and Chair: *Domenica Fioredistella Iezzi.*

- 1) Local market definition using Voronoi Diagrams (**Andrea Giuseppe Vitali, Domenica Fioredistella Iezzi, Aitor Ciarreta Antunano, Susan Orbe Mandaluniz**).
- 2) A measure of the attractiveness of Italian municipalities considering real estate market data (**Stefania Fatello, Orietta Patacchia**).
- 3) Corruption Risk Index for Municipalities: Insights into Local Vulnerabilities (**Simona Mercurio**).

11:00-11.30

Coffee break - Room 28

11:30-13:00

Round Table 2: AI@work (Room 31)

Organizer: *Paolo Mariani*

Moderator: *Manlio d'Agostino Panebianco*

Speakers:

- *Matteo Beshara - Data Scientist & Trainer - Porini S.r.l.*
- *Paolo Bruttini - Presidente di Forma del Tempo*
- *Manlio d'Agostino Panebianco - B-ASC Università degli Studi di Milano-Bicocca*
- *Paola Parenti - SENIOR PARTNER BU PHARMA - BVA-DOXA*

13:00-14:00

Lunch - Room 28

14:00-15:00

INV-31: Identification of Online Racism and Xenophobia (PRIN PNRR 2022 TOLERANT) (2) (Room 31) Organizer: *Michelangelo Misuraca, Giuseppe Giordano*. Chair: *Giuseppe Giordano*

- 1) Examining Attitudes on Immigrants: a dual-method approach based on IRT and Structural Topic Modelling (**Annalina Sarra, Michelangelo Misuraca, Giuseppe Giordano, Lara Fontanella**).
- 2) The Politicization of Immigration: Mainstream Parties Paved the Way for the Far Right in the Spanish Parliament? (**Berta Chulvi, María F. Rodrigo**).
- 3) A two-fold strategy to analyse the hate speech against (im)migrants and other minorities on social media (**Anthony Cossari, Paolo Cozzucoli, Michelangelo Misuraca**).

INV-32: Methods and Applications for Complex Data.(Room 33) Organizer and Chair: *Stefania Fensore*

- 1) Connecting statistical analysis to address climate change: a bibliometric study of research trends in Africa and Europe (**Jai Jobe, Annalina Sarra, Stefania Fensore**).
- 2) Kernel methods for compositional data in social sciences (**Agnese Panzera, Stefania Fensore**).
- 3) Estimating the distribution of psychiatric treatment durations (**Chiara Passamonti**).
- 4) Beyond compliance: a textual analysis of drivers of sustainability reporting in Italian SMEs (**Annalina Sarra, Jai Jobe, Marialuigia Di Giampietro, Barbara Iannone, Adelia Evangelista**).

INV-33: Advanced Data Analytics in Socio-Economic Indicators. (Room 35) Organizer and Chair: *Fabrizio Maturo*

- 1) Firms' Capabilities and Economic Complexity: Insights from Italian Survey data (**Giuffrida Annamaria, Bumbea Alessio, Mazzitelli Andrea, Sbardella Angelica, Zaccaria Andrea**).
- 2) Fuzzy Centrality in Social Networks Analysis (**Annamaria Porreca, Fabrizio Maturo, Viviana Ventre**).
- 3) Dataism: The Ideology of Big Data (**Assunta Lisa Carulli, Domenico Di Spalatro, Alessandro Valentini**).

Detailed program (21/02)

14:00-15:00

INV-34: Socio-economic perspectives for a sustainable future (Room 27)

Organizer: Angela M. D'Uggento, Alfonso Piscitelli. **Chair:** Angela M. D'Uggento

- 1) Sustainability motivations of vegan products consumption (**Anna Filippini, Maria Cristiana Martini**).
- 2) Subjective forecasts of the Industrial Production Index based on the confidence of the manufacturing companies (**Paolo Mariani, Andrea Marletta, Biancamaria Zavanella**).
- 3) Assessing material deprivation in NUTS 1 Regions: Insights from Greece, Italy and Spain (**Margaret Antonicelli, Enrico Ivaldi**).

15:00-16:00

CON-5: Health Models, Literacy, and Food Deprivation (Room 31) Chair: Carlo Zaccardi

- 1) A Logistic Regression Model for Dementia Risk Assessment Using Digital Linguistic Biomarkers (**Linda Altieri, Gloria Gagliardi**).
- 2) Health literacy in blood donors (**Pietro Renzi, Alberto Franci**).
- 3) The impact of organic and healthy foods on material and food deprivation indices. A comparative analysis in European countries (**Antonio Gattulli, Margaret Antonicelli**).

CON-6: Smart Living and Social Surveys (Room 33) Chair: Chiara Passamonti

- 1) IoT-Based Smart Home Technology and Quality of Life in Italy (**Luca Rossi**).
- 2) Unrevealing Electrical and Electronic Equipment disposal behaviours through Social Media Survey (**Margherita Silan, Sophie Grace Parolin, Francesco Dal Cero, Giorgia Bernardinis**).

CON-7: Social Media Analytics (Room 35) Chair: Alex Cucco

- 1) Exploring the V_V Group: Tweet Sharing Trends and Temporal Dynamics (**Domenica Fioredistella Iezzi, Roberto Monte, Daniele Pasquini**).
- 2) An analysis of the "Dipartimento della Funzione Pubblica" Post- Pandemic Social Communication (**Roberto Artiaco**).
- 3) Exploring BERT: a Comparative Analysis between BERTopic and LDA (**Caterina Ambrosio, Roberto Artiaco, Ciro Clemente De Falco**).

16:00

Greetings

16:30

Networking Aperitif



THANK YOU FOR
ATTENDING
DSSR 2025

Data Science & Social Research

February 19-21, 2025
University "G. d'Annunzio", Chieti-Pescara, Italy