Conference Programme(*)

(Preliminary version dated August 26, 2024)

Measuring and Interpreting World Changes with Statistics, Data Science and AI

Sapienza University of Rome, Department of Statistical Sciences, September 18-20, 2024

The Conference is organized by the Association for Applied Statistics, the Department of Statistical Sciences of Sapienza University of Rome, and the Italian National Institute of Statistics, in collaboration with the following partners:

- **AICQ-CN** – The Italian Association for Quality Culture (north and centre of Italy)
- **AISS** – The Italian Academy for Six Sigma
- **ASSIRM** – The Italian Association for Marketing, Social and Opinion Research
- **BDsports** - Big Data Analytics in Sports (BoDAI-Lab University of Brescia)
- **ESAC** – The European Statistical Advisory Committee
- **ESGAB** – The European Statistical Governance Board
- **SIS** – The Italian Society of Statistics

(*) Notice:

All speakers and participants must register on the conference website and pay the registration fee. For more details, please visit the relevant pages on the conference website. Only papers whose authors have completed registration and payment will be confirmed in the program.

Programme September 18 morning 2024 Plenary sessions: Aula 1 (Gini)				
09.30 – 10.30	Registration and reception desk in front of Aula 1 (Gini) (main entrance of the Department of Statistical Sciences)			
10.30 – 11.00	Opening Ceremony	Welcome addresses (University Rector, Department Dean, Istat President, ASA President)		
11.00 – 12.30	Plenary session organized by ISTAT	Innovations and developments in business statistics: new sources, processes and topics Chair: Fabio M. Rapiti,, Moderator: Donato Speroni, Panel discussion: Silvia Fabiani, Bank of Italy; Ciro Rapacciuolo, Centro Studi Confindustria, Enrica Morganti, Eurostat, Tonio Di Battista, University of Chieti-		
12.30 – 13:30	Lunch			
Programme September 18 afternoon 2024 Plenary sessions: Aula 1 (Gini)				
13.30 – 15.00	Round Table organized by the Statistics Department, La Sapienza University of Rome	Statistical Innovations: challenges and perspectives with Data Science and AI 13:30-13:50. Francesca Kay, CIO CSO-Ireland Presentation of the Eurostat AI Project 13:50-15:00 Round Table Emanuele Baldacci, Director of HR for specific sites and services, European Commission Maurizio Tarquini, Direttore-Generale Confindustria Maurizio Vichi, ESGAB, Sapienza		
Programme, September 18 2024 afternoon Parallel Sessions (aule 1, 2, V, VI)				
	Aula 1 (Gini)	**Aula 2**	**Aula V (3rd floor)**	**Aula VI (4th floor,)**
15.00 – 16.00 (Slot 1)	Session CO1: Advancements in Statistical Methods for Futures Studies, Chair: Simone di Zio - solicited session	Session CO14: Innovations in AI and Technology Chair: to be defined	Session CO13: Personality traits Chair: M. Gabriella Grassia	Session CO38: Innovative Data Solutions for Workforce and Organizational Efficiency Chair: Alessandro Rinaldi
16.00 – 16.30	Coffee break			
16.30 – 17.30 (Slot 2)	Session CO2 Artificial Intelligence for Text Data: Advanced Methods and Applications, Chair: Domenica Fioredistella Iezzi - solicited session	Session CO24: Education and Training Chair: Stefania Mignani	Session CO41: Innovative Approaches to Tourism Analysis and Sentiment, Chair: Mariangela Zenga	Session CO42: Regional Innovation and Inequality in Italy Chair: Andrea Ciccarelli
17.30 – 18.30	Extemporary Session on Spices: Tasting: A Matter of Nose? (Chairs: Eugenio Brentari, Alfonso Piscitelli The description and evaluation of emotions: sensorial statistics applied to spices, Francesca Iannarilli, (Vitaletti Academy- Italpepe, Sensory point IASA)			
18.30 – 19.45	ASA General Assembly			
Programme, September 19 2024 morning Plenary sessions: Aula 1 (Gini), Aula 2				
	Aula 1 (Gini)	**Aula 2**		
9.00 – 10.00	Half-plenary session organized by ASA: An ASA Research on the Need of Statistics and Statistical Data in Italian Enterprises Chair: Luigi Fabbris • Statistics in Italian enterprises: What, where, and how surveying it, Loretta Degan, Luigi Fabbris • Statistics as a problem-solving tool. An insight from inside business, Saverio Russo – (Operational Excellence Governance lead), Davide Tornatore – (Chief Data Officer A2A) • Statistics for research and management in Italian pharmaceutical industries, Carlo Riccini	Half plenary Session organized by ASA: Serious Games for Statistics Learning Chair: Simone Di Zio • Innovative Approaches to Statistical Education: The Power of Serious Games in High Schools and Beyond,.Enea Montoli • Stat is fun. Games for enhancing people's statistics learning, Rina Camporese		
10.00 – 10.30	Coffee break			
Programme, September 19 2024 morning Parallel Sessions (aule 1, 2, V, VI)				
	Aula 1 (Gini)	**Aula 2**	**Aula V (3rd floor)**	**Aula VI (4th floor,)**
10.30 – 11.30 (Slot 3)	Session CO3 Educational Inequality: Issues and Challenges Chair: Rosaria Romano - solicited session	Session CO9 Statistical and Machine Learning Methods for the Analysis of Traffic and the Environment, Chairs: Rodolfo Metulini, Paola Zuccolotto - solicited session	Session CO23: Data Analysis and Big Data Chair: Alessandra Righi	Session CO19 Corporate and Market Analysis Chair: Luigi Bollani

11.30 – 12.30 (Slot 4)	Session CO4 Integration of Traditional and Non-Traditional Data Sources and AI for Decision Making, Chair: Fabio Crescenzi - solicited session	Session CO10 Measuring Psycho-Social Aspects of Well-being Chair: Angela Maria D'Uggento, - solicited session	Session CO16: Climate Change and Sustainability Chair: Alfonso Piscitelli	Session CO25: AI and Machine Learning Chair: Tonio Di Battista
12.30 – 13.30	Lunch			
Programme, September 19 2024 afternoon Parallel Sessions (aule 1, 2, V, VI)				
	Aula 1 (Gini)	**Aula 2**	**Aula V (3rd floor)**	**Aula VI (4th floor,)**
13.30 – 14.30 (Slot 5)	Session CO5 Multiversal Analysis Chair: Venera Tomaselli - solicited session	Session CO11 Technologies, Analytics and New Scenarios in Basketball Chair: Marica Manisera - solicited session organized by BD Sports	Session CO18 Tourism and Mobility Chair: Francesca Bassi	Session CO22: Enhancing Social Research and Social Surveys Chair: Filomena Maggino
14.30 – 15.30 (Slot 6)	Session CO6 Explainable Football Statistics Chair: Rodolfo Metulini - - solicited session organized by BD Sports	Session CO12 Statistical Models for Analyzing Territorial Heterogeneity: Traditional Approaches and Machine Learning Techniques, Chair: Rosa Fabbricatore - solicited session	Session CO26 Social issues and Migration Analysis Chair: Leonardo Salvatore Alaimo	Session CO27 Analysis and Evaluation of Services, Economic Perceptions, and Tourism Impact Chair: Margaret Antonicelli
15.30 – 16.00	Coffee break			
16.00 – 17.00 (Slot 7)	Session CO7 Developing Measurement Instruments in Social Sciences Chair: Egidio Robusto -solicited session	Session CO8 Integration of Traditional and Nontraditional Data Sources and AI to Inform Social Policies Chair: Giuseppe Sindoni - solicited session		Session CO15 Economic and Social Well-being Chair: Eugenio Brentari
17.00 – 18.00 (Slot 8)	Session CO39:Agriculture and Environmental Sustainability Chair: Giuliana Coccia	Session CO17 Governance and Legal Systems Chair: Paolo Mariani	Session CO29: Innovations in Data Collection and Analysis Chair Matilde Bini	Session CO30 Technological Advances and Artificial Intelligence Chair: Stefano Marchetti
Programme, September 19 2024 afternoon Plenary sessions: Aula 1 (Gini)				
18.00 – 19.00	Plenary Session organized by ASSIRM	AI Applied in Market Research: Challenges and Opportunities, Chair: Stefania Fregosi The role of artificial intelligence in supporting human decisions: Digital Twin for streamlining quantitative market research, Lino Coscione, Teleperformance KS How good are conversational agents for online qualitative research?,Daniele Abbate, Bilendi KnowledgePanel: Set-up and development challenges of Ipsos random probability panel, Monica Sala, Ipsos		
20.30 – 22.00	**Social Dinner at Casa dell'Aviatore – Circolo Ufficiali dell'Aeronautica Militare Viale dell'Università n.20 - 00185 Roma (for the event registration and payment, please visit the Conference website)**			
Programme, September 20 2024 morning Aule 1 (Gini)				
9.00 – 10.00	Session organized by AICQ-CN and AISS: Risk Measurement in a Safety Environment (Chair: Alessandro Celegato, ASA, AICQ-CN, AISS) Risk analysis for behavioral safety. Data to support human factor management, Chiara Parretti, Guglielmo Marconi University Risk assessment of runway safety areas, Riccardo Perrone, Azeta Infotec srl, Rome			
10.00 – 10.30	Coffee break			
Programme, September 20 2024 morning Parallel Sessions (aule 1, 2, V, VI)				
	Aula 1 (Gini)	**Aula 2**	**Aula V (3rd floor)**	**Aula VI (4th floor,)**
10.30 – 11.30 (SIot 9)	Session CO20: Social Media and Consumer Behavior Chair: Lara Fontanella	Session CO31 Statistical Perspectives on Stress, Healthcare, and Risk Modeling, Chair: Rossella Miglio	Session CO35 Innovative Approaches in Education and Social Sciences Chair: Francesca Martella	Session CO37 Innovative Data Analysis and Visualization Chair Emma Zavarrone
11.30 – 12.30 (Slot 10)	Session CO21: Statistical Methodologies and Tools Chair: Maurizio Carpita	Session CO34: Health and Statistical Methods Chair: Francesco Palumbo	Session CO33: Socio-Economic Impacts and Forecasts Chair: Adriano De Carli	Session CO36:Health and Demographic Studies Chair: Giulia Cavrini
12.30 – 13.30 (Slot 11)	Session CO32: Innovation in Management and Technology Chair: Rossella Berni	Session CO40:"Educational Outcomes and Data Quality" Chair: Nicola Tedesco	Session CO28: Analyzing Tourism Dynamics and Impacts in Italy Chair: Fabrizio Antolini	
13.30 – 14.30	Closing ceremony			
14.30-15.00	Cocktail			

Wednesday, September 18, solicited and contributed sessions

Slot 1, from 15.00 to 16.00

Aula 1, Session CO1 (solicited): Advancements in Statistical Methods for Futures Studies, Chair Simone di Zio

1. 170, Advancing spatial scenarios adopting generative pre-trained transformers and text-to-image models, Yuri Calleo, Francesco Pilla, Simone Di Zio
2. 160, A composite indicator to study the state of future of the European Union, Rocco Mazza, Roberta Di Lorenzo, Maria Gabriella Grassia, Cataldo Roberta, Marina Marino
3. Future scenarios: A financial network analysis of stock prices in emerging metaverse market, Emma Zavarrone, Alessia Forciniti

Aula 2, Session CO14: Innovations in AI and Technology, Chair: to be defined

1. 165, Promises and Pitfalls of AI!, Beatrice Bartoli; Vladi Tomaselli
2. 198, Artificial intelligence in support of accessibility: analysis of existing technologies and the brain-friend, Vito Santarcangelo; Saverio Gianluca Crisafulli; Massimiliano Giacalone; Gianfranco Piscopo; Emilio Massa; Sergio Vitullo; Davide Scintu; Angelo Romano; Girolamo Radosti
3. 227, Improving Online Misogyny Detection: The Role of Human Annotation and Explanation-Guided Learning, Lara Fontanella; Alex Cucco; Emiliano del Gobbo; Elisa Ignazzi; Sara Fontanella

Aula VI (4th floor), Aula V, (3rd floor), Session CO13: Personality traits, Chair: M. Gabriella Grassia

1. 158, Disposition to future and personal and social capital of Italian youth, Angela Maria D'Uggento; Luigi Fabbris
2. 273, Capacity to aspire in high school students: theoretical definition and measurement, Rosa Fabbricatore; Rosaria Romano; Cristina Davino
3. 241, Italian youth resilience in the aftermath of the Covid-19 pandemic, Luigi Bollani; Clelia Cascella; Luigi Fabbris

Aula VI (4th floor), Session CO38, Innovative Data Solutions for Workforce and Organizational Efficiency, Chair Alessandro Rinaldi

1. 181, Innovative ER Solutions: Using Data to Drive Operational Success, Simone Paesano; Dario Sacco; Maria Gabriella Grassia
2. 239, A Dynamic Spatial Analysis of Employee Compensation in Europe, Emma Bruno; Maria D'Avino; Aniello Ferraro; Gennaro Punzo
3. 279, Organizational flexibility measures: smart working at Istat, Chiara Limiti, Giuseppina Sola

Slot 2, from 16.30 to 17.30

Aula 1, Session CO2 (solicited) Artificial Intelligence for Text Data: Advanced Methods and Applications, Chair Domenica Fioredistella Iezzi

1. Improving online misogyny detection: The role of human annotation and explanation-guided learning, Lara Fontanella, Alex Cucco, Emiliano del Gobbo, Elisa Ignazzi
2. 250, Application of large language models for different Italian text classification tasks and comparison with other feature extraction techniques, Andrea Sciandra, Arjuna Tuzzi
3. 221, Keyword-enhanced summarisation from scientific literature through an integrated approach, Massimo Aria, Corrado Cuccurullo, Luca D'Aniello, Maria Spano

Aula 2, Session CO24: Education and Training, Chair Stefania Mignani

1. 202, Enterprises governance and vocational training strategy: insights from official statistics, Emanuela Trinca; Manuela Nicosia; Roberto Di Manno
2. 205, Artificial intelligence in developing core competences and active learning: the new paradigm of higher education, Nuria Chaparro-Banegas; María Luisa Martí Selva; Consuelo Calafat-Marzal; Norat Roig-Tierno
3. 196, Users beyond “boundaries”: recent experiences of promoting statistical literacy by Istat at the territorial level among non-regular data users, Silvia Da Valle; Lorena Carmen Maria Viviano; Susi Osti
4. 188, Combining Textual Analysis and IRT to Interpret the Students' Voice, Annalina Sarra, Lara Fontanella, Adelia Evangelista, Tonio Di Battista

Aula V (3rd floor), Session CO41: Innovative Approaches to Tourism Analysis and Sentiment, Chair Mariangela Zenga

1. 258, Text Mining of Tourist Reviews: Sentiment Analysis and Trends in Apulian Tourism, Eugenia Nissi
2. 256, Mass Tourism and Effects on Local Housing: A Comprehensive Text Analysis, Agostino Stavolo; Rosanna Cataldo; Maria Gabriella Grassia; Marina Marino
3. 160, A Composite Indicator to Measure Attitude Towards Sustainable Tourism by European Citizens, Francesca Bassi; Manuela Scioni

Aula VI (4th floor), Session CO42: Regional Innovation and Inequality in Italy, Chair Andrea Ciccarelli

1. 217, Geography of Business Alliances and Spatial Network Complexity: The Backbone of Formal Collaboration Agreements, Andrea Enrico Vurro; Alessio Bumbea; Annamaria Giuffrida; Andrea Mazzitelli; Giuseppe Espa
2. 243, The Triple Helix Model for Regional Innovation in the Digital Era, Emma Bruno; Rosalia Castellano; Gennaro Punzo
3. 189, Analysis of regional gender inequalities in the pre- and post-pandemic period in Italy, Daniela Fusco; Paola Giordano; Maria A. Liguori; Margherita M. Pagliuca
4. 284, An Analysis of the Change in the Neighbourhoods and in the Brand Perception of the City of Naples, Paolo Emanuele Ponticiello, Domenico Vistocco

Thursday, September 19, solicited and contributed sessions

Slot 3, from 10.30 to 11.30

Aula 1, Session CO3 (solicited), Educational Inequality: Issues and Challenges 19/9, Chair Rosaria Romano

1. The digital skills of Italian students: An in-depth analysis of territorial and gender inequalities, Luca Bungaro, Mariagiulia Matteucci, Stefania Mignani
2. Recent developments in educational poverty mapping in Italy, Caterina Giusti, Nicola Salvati, Francesco Schirripa Spagnolo, Maria Pilar Hernàndez Cervigòn
3. Assessing educational opportunities: The influence of family background and school trajectory on higher school students' prospects, Antonio De Falco, Rosa Fabbricatore, Marco Gherghi, Rosaria Romano

Aula 2, Session CO9 (solicited) Statistical and Machine Learning Methods for the Analysis of Traffic and the Environment, Chairs: Rodolfo Metulini, Paola Zuccolotto

1. 231, Copula functions and dynamic hydrological data: The case of Scotland, Sara Selvaggia Guerini, Luigi Spezia
2. 230, Statistical analysis of smartphone mobility data for air quality assessment, Muhammad Haroon Shaukat, Francesco Finazzi
3. Forecasting traffic flows fromseries of mobile phone data with complex seasonality and volatility using GARCH models, Maurizio Carpita, Rodolfo Metulini

Aula V (3rd floor), Session CO23: Data Analysis and Big Data,, Chair Alessandra Righi

1. 194, Understanding Consumer Behavior in the Plant-Based Meat Market: Insights from Bayesian Network Analysis, Debora Slanzi, Pietro Lanzini, Francesca Checchinato, Cinzia Colapinto
2. 236, AI-generated sentiment in state-space models for Toyota Camry US volume sales forecasting, Domenica Fioredistella Iezzi; Roberto Monte, Daniele Pasquini;
3. 228, An innovative point of view for statistical dissemination to prevent road accidents using the 'collision matrix', Marco Broccoli; Silvia Bruzzone

Aula VI (4th floor), Session CO19: Corporate and Market Analysis, Chair Luigi Bollani

1. 167, New Perspectives in Corporate Investigations, Beatrice Bartoli; Vladi Tomaselli
2. 240, The effect of e-commerce users' previous visits on the purchase intention: The case of Sunweb.nl, Furio Urso
3. 220, Exploring Art Market Trends: A Delphi Study on Collectible Design, Laura Benedan; Federica Codignola; Carlotta Galeone; Paolo Mariani

Slot 4, from 11.30 to 12.30

Aula 1, Session CO4 (solicited) Integration of Traditional and Non-Traditional Data Sources and AI for Decision Making, Chair Fabio Crescenzi

1. 173, Improving information on labour demand for decision making by integrating traditional surveys, administrative sources, and web-based data Annalisa Lucarelli, Alessandra Righi, Roberta Rizzi
2. Using AI to study neighborhood vitality and safety, Bruno Lepri
3. 225, Enhancing mobility and tourism through data analytics and generative AI, Denis Cappellari, Glauco Mantegari, Bruno Zamengo

Aula 2, Session CO10 (solicited) Measuring Psycho-Social Aspects of Well-being, Chair: Angela Maria D'Uggento

1. 179, CORE-CI: A composite indicator for detecting corruption risks in public procurement across emergencies, Simone Del Sarto, Michela Gnaldi, Maria Giovanna Ranalli, Niccolò Salvini
2. 212, Measuring person's resilience: Properties of an Italian inventory scale, Clelia Cascella, Luigi Bollani, Luigi Fabbris
3. 263, A statistical approach to measuring the impact of new medication use on the lived experience of patients with inflammatory bowel disease, Alfonso Piscitelli, Angela Maria D'Uggento, Elena Equatore, Mariabeatrice Principi

Aula V (3rd floor), Session CO16: Climate Change and Sustainability, Chair Alfonso Piscitelli

1. 171, Spatial analysis of climate change awareness across countries, Gianpaolo Zammarchi; Paolo Maranzano
2. 272, Technical and environmental efficiency of agriculture: evidence from European countries in the last 30 years, Alessandro Magrini
3. 232, AI and Geostatistics: innovative solutions for reducing and storing CO2 emissions, Angela Digrandi, Pasquale Cimmino

Aula VI (4th floor), Session CO25: AI and Machine Learning, Chair Tonio Di Battista

1. 274, Enhancing Official Statistics through Artificial Intelligence, Mauro Bruno; Francesco Ortame; Francesco Pugliese; Simona Cafieri
2. 233, Leveraging Industry 5.0 for Official Business Statistics Innovation, Diego Distefano; Pasquale Papa; Paola Bosso; Gualberto Di Paolo
3. 216, The evolution of Explainable Artificial Intelligence (XAI): a preliminary systematic literature review, Agostino Gnasso

Thursday, September 19, solicited and contributed sessions

Slot 5, from 13.30 to 14.30

Aula 1, Session CO5 (solicited) Multiversal Analysis, Chair: Venera Tomaselli, discussant: Livio Finos

1. 206, PIMA: An inferential framework for multiverse analysis, Anna Vesely, Livio Finos
2. 180, Exploring the dark side of the multiverse: Pitfalls and possibilities in applications, Paolo Girardi, Anna Vesely, Gianmarco Altoè, Massimiliano Pastore, Livio Finos
3. 177, Multiverse analysis and the uncertainty of synthetic indexes, Venera Tomaselli, Giulio Giacomo Cantone, Paul Nightingale

Aula 2, Session CO11 solicited organized by DB Sports Technologies, Analytics and New Scenarios in Basketball, Chair: Paola Zuccolotto Discussant: Marica Manisera

1. 242, The use of match analysis and analytics in the basketball Italian national teams, Raffaele Imbrogno
2. 280, Advanced stats analysis on basketball scouting activities, Francesco Taccetti
3. Analytics to evaluate the difficulty of a match, Francesco Olivo

Aula V (3rd floor), Session CO18: Tourism and Mobility, Chair Francesca Bassi

1. 174, The Influence of UNESCO Sites on Tourism Demand and Supply: Insights from Italian Regions, Fabrizio Antolini; Samuele Cesarini; Ivan Terraglia
2. 255, Senior tourism as a driver for happy aging: main characteristics of Italian travellers, Angela Maria D'Uggento; Claudia Marin; Ilaria Pepe; Ernesto Toma; Francesco Domenico D'Ovidio
3. 193, A Literature Review on Generative Artificial Intelligence Engines for Tourism Education and Promotion, Alessandro D'Alcantara; Angelo Romano; Vito Santarcangelo; Diego Sinitò; Angelo Lamacchia; Ribaudo Vincenzo

Aula VI (4th floor), Session CO22: Enhancing Social Research and Social Surveys, Chair Filomena Maggino

1. 204, Combining Expert Knowledge and Data-Driven Classification to Support Prediction and Validation of Census Population Counts, Angela Chieppa; Fabrizio Solari; Nicoletta Cibella; Antonella Bernardini
2. 229, Statistical indicators for the analysis of social sustainability and human well-being, Samuela L'Abbate; Antonella Massari; Paola Perchinunno; Lucia Mongelli
3. 166, Political Surveys and Online Panels: Can We Trust Them? Beatrice Bartoli; Vladi Tomaselli

Slot 6, from 14.30 to 15.30

Aula 1, Session CO6 (solicited) Explainable Football Statistics, Chair: Rodolfo Metulini

1. 214, Recent developments in football analytics: Advancements in the xG model, Mattia Cefis, Maurizio Carpita
2. Explainable graph-based prediction of specific tactical patterns in football, Paolo Cintia, Chiara Baraglia,Gabriele Galatolo
3. 223, Evaluating cooperation in football by developing triad census for weighted networks Riccardo Ievoli, Lucio Palazzo, Roberto Rondinell, Giancarlo Ragozini

Aula 2, Session CO12 (solicited) Statistical Models for Analyzing Territorial Heterogeneity: Traditional Approaches and Machine Learning Techniques, Chair: Rosa Fabbricatore

1. 253, Inference for big data: An application on SDGs sensitivity of enterprises at small area level in Italy, Francesco Schirripa Spagnolo, Nicola Salvati, Stefano Marchetti, Monica Pratesi, Gaia Bertarelli, Donato Summa, Monica Scannapieco
2. 262, Territorial socio-economic disparities: Developing a composite measure to explore the spatial heterogeneity of the phenomenon at small geographical scale, Antonio De Falco, David Amerigo Benassi
3. 246, School socioeconomic status and students' achievements: Exploring territorial heterogeneity through a multilevel regression discontinuity approach, (Rosa Fabbricatore, Cristina Davino, Pasquale Sannino

Aula V (3rd floor), Session CO26: Social issues and Migration Analysis, Chair Leonardo Salvatore Alaimo

1. 184, Migration as a diffusion process: the case of Bologna municipality, Ida D'Attoma, Camila Cid, Giorgio Tassinari
2. 178, "Inhumane": quantitative textual analysis of a qualitative survey on gender violence among victims of international human trafficking, Micaela Arcaio; Anna Maria Parroco
3. 266, An innovative approach for the analysis of socio-economic phenomena at sub-municipal level: the families deprivation study project, Flavio Biasciucci; Giancarlo Carbonetti; Andrea Cutillo; Matteo Mazziotta; Valeria Quondamstefano; Debora Tronu

Aula VI (4th floor), Session CO27: Analysis and Evaluation of Services, Economic Perceptions, and Tourism Impact, Chair Margaret Antonicelli

1. 213, Assess the quality of electronic services in the Mehr Eqtesad bank, using Serqual, Zahra Ramezani
2. 251, A Model-Based Change Point Analysis of Perception and Expectations of Price Levels Over Time, Rosaria Simone; Carmela Cappelli; Francesca Di Iorio
3. 219, Determinants of Cooperation among Hotels in Venice: A Network Approach, Viviana Amati; Anna Moretti; Rebecca Micol Finzi

Thursday, September 19, solicited and contributed sessions

Slot 7, from 16.00 to 17.00

Aula 1, Session CO7 (solicited) Developing Measurement Instruments in Social Sciences, Chair: Egidio Robusto

1. 168, Design of a test for assessing teamwork and collaborative skills with competence-based knowledge space theory, Federica Morleo, Pasquale Anselmi, Alessandra Vitanza
2. 163, An R package for adaptive assessment utilizing knowledge space theory and formal psychological assessment, Andrea Brancaccio, Umberto Granzioli
3. 162 It's how you use the items that counts: An intelligent procedure for item selection in item response theory, Ottavia M. Epifania, Pasquale Anselmi, Egidio Robusto

Aula 2, Session CO8 (solicited), Integration of Traditional and Nontraditional Data Sources and AI to Inform Social Policies, Chair: Giuseppe Sindoni

1. 267, Urban digital twins: AI and data to understand complex urban dynamics, Marco Pistore, Bruno Kessler Foundation
2. 224, Welfare intelligence: A data driven approach to social policies, Silvia Castellanza, Bruno Monti, Laura Sangalli
3. 182, Responsible AI/ML implementation in official statistics: A framework for decision making, Gerarda Grippo, Alessandra Righi

Aula VI (4th floor), Session CO15: Economic and Social Well-being, Chair Eugenio Brentari

1. 164, Economic well-being of households and attractiveness of territories: the case of Italian large municipalities, Sara Casacci
2. 265, Selecting indicators for Measuring Italian progress towards sustainable development goals, Giuliana Coccia, Fabio Crescenzi
3. 254, From crisis to crisis: mapping material deprivation in the EU through the 2000s, Susanna Traversa; Enrico Ivaldi

Slot 8, from 17.00 to 18.00

Aula 1, Session CO39: Agriculture and Environmental Sustainability, Chair Giuliana Coccia

1. 268, Spatial machine learning techniques to investigate the potential of Italian agricultural systems, Luigi Mastronardi; Luca Romagnoli
2. 210, ESG Integrated Strategy for Sustainable Development to A Value at Risk Approach, Paola Casciotti
3. 269, Data science approaches to the study of multimorbidity patterns at older ages., Niccolò Caselli; Linh Hoang Khanh Dang; Rosella Rettaroli; Rossella Miglio

Aula 2, Session CO17: Governance and Legal Systems, Chair Paolo Mariani

1. 222, The preventive alert mechanism in the Italian crisis code: a statistical approach for predictive analysis of insolvency in Italy, Eugenio Brentari; Andrea Zanetti; Gloria Ermici
2. 218, Efficiency of Italian Courts: awareness from Spatial Stochastic Frontier Analysis, Eugenia Nissi; Annalina Sarra; Adelia Evangelista; Tonio Di Battista
3. 226, A new algorithm for the correction and control of road accidents data based on string similarities, Silvia Bruzzone; Luca Valentino; Diego Moretti; Francesca De Blasi; Massimo Tavanti

Aula V (3rd floor), Session CO29: Innovations in Data Collection and Analysis, Chair Matilde Bini

1. 159, An Exploratory Analysis of Istat's Household Budget Survey Questionnaires for Designing an App, Elena Cezza; Gabriella D'Ambrosio; Loredana De Gaetano; Edoardo Raimondi
2. 191, Collecting ADS-B Data for Timely Production of Air Traffic Statistics, Samanta Pietropaoli; Massimiliano Amarone
3. 276, Selecting Sample Households with High-Quality Addresses for Population Census: Problems for Field Survey Network, but Bias in the Estimates? Emanuela Scavalli

Aula VI (4th floor), Session CO30: Technological Advances and Artificial Intelligence, Chair Stefano Marchetti

1. 195, How to Make Respondent's Life Easy with HBS Receipt Scanning Thanks to AI and OCR, Ilaria Arigoni; Marco Silipo
2. 197, Innovative Chromogenic Monitoring System for Enhanced Safety and Efficiency in Industrial Transformers, Emanuele Azzone; Giovanni Azzone; Mario Azzone; Rocco Chiechi; Angelo Romano; Vito Santarcangelo; Davide Scintu
3. 247, Artificial intelligence and future scenarios: preliminary results from an application on family policies in the north-eastern Italy, Mario Bolzan, Yuri Calleo, Simone Di Zio, Marco Marozzi, Manuela Scioni

Friday, September 20, solicited and contributed sessions

Slot 9, from 10.30 to 11.30

Aula 1, Session CO20: Social Media and Consumer Behavior, Chair Lara Fontanella

1. 234, Analysing fan engagement and sentiment on social media following Bologna FC's 2023/2024 Champions League qualification, Giulia Cavrini; Agostino Stavolo
2. 235, Exploring childfree and childless on social media: a text analysis approach, Agostino Stavolo; Giulia Cavrini; Elisa Cisotto; Marina Marino
3. 244, Modeling virality in social media, Domenica Fioredistella Iezzi; Roberto Monte; Daniele Pasquini

Aula 2, Session CO31: Statistical Perspectives on Stress, Healthcare, and Risk Modeling, Chair Rossella Miglio

1. 248, Analyzing the Perception of 'Work Related' Stress Across EU Countries, Stefania Capecchi; Francesca Di Iorio
2. 249, Campanian Healthcare Facilities Under the Microscope: Reviews, Polarity, and Georeferencing, Simone Paesano; Dario Sacco; Agostino Stavolo; Maria Gabriella Grassia; Marina Marino
3. 283, Modelling default risk in Italian SMEs: A spatial probit approach, Amoruso Emanuele, Bruno Emma, Castellano Rosalia, Punzo Gennaro

Aula V (3rd floor), Session CO35: Innovative Approaches in Education and Social Sciences, Chair Francesca Martella

1. 264, Exploring Teachers' Professional Identity: A Case Study Utilizing Structural Equation Modeling and Text Mining in a Multimodal Approach, Annalina Sarra; Lara Fontanella; Maila Pentucci
2. 208, Moving composite indicator to Object-Oriented Bayesian networks: a holistic approach to tackle gender inequality, Lorenzo Giammei; Fulvia Mecatti; Paola Vicard; Flaminia Musella
3. 270, LLM Training with Knowledge Graphs: A New Role for Standards Codes, Cristina Martelli

Aula VI (4th floor), Session CO37, Innovative Data Analysis and Visualization, Chair Emma Zavarrone

1. 237, Analytics-Based League Comparison, Francesco Olivo
2. 277, Statistical Data at Your Fingertips with an Easy-to-Use Chatbot, Yasaman Ahmadi; Ribhu Kaul; Louis Wery Wery; Simona Cafieri
3. 187, Markov switching autoregressive models and Bayesian hydrology, Roberta Paroli; Luigi Spezia

Slot 10, from 11.30 to 12.30

Aula 1, Session CO21: Statistical Methodologies and Tools, Chair Maurizio Carpita

1. 183, A non-parametric test for comparative evaluations of student performance, Stefano Bonnini; Michela Borghesi; Massimiliano Giacalone; Gianfranco Piscopo
2. 245, Estimating overdispersion in non-transformed scores of ANVUR's department ranking procedure: a Beta-multinomial model, Marco Doretti; Giorgio Eduardo Montanari
3. 209, Electronic invoicing as administrative source that simplifies and improves the production process of short-term business statistics surveys, Salvatore Filiberti

Aula 2, Session CO34: Health and Statistical Methods, Chair Francesco Palumbo

1. 169, The Combination of Expert Knowledge and Bayesian Networks to Identify the Relevant Factors in Diabetic Kidney Disease (DKD), Debora Slanzi, Irene Poli, Roger Jones, Gert Mayer
2. 257, An Empirical Analysis of Various Methods for Making Inferences with Non-Probability Samples, Lisa Braito; Emilia Rocco
3. 172, Analysis of the "Group Approach" Instead of the Inverted Cascade Approach for Calculating the Super-Dividend Test of Holding Entities in the National Accounting, Antares D'Achille

Aula V (3rd floor), Session CO33: Socio-Economic Impacts and Forecasts, Chair Adriano De Carli

1. 161, The Italian NEETs after the COVID-19: what should we expect for the future? Different approaches to forecasts, Giovanni De Luca, Antonella Rocca, Paolo Mazzocchi, Claudio Quintano
2. 252, A New Class of Indicators for Measuring the Dynamics of Labour Market: An Application to the Italian Regions, Cristiano Marini, Leonardo Salvatore Alaimo, Alessio Guandalini, Alessandra Masi
3. 278, Trust in Health Science in Italy During the Coronavirus Pandemic, Luigi Bollani; Luigi Fabbris

Aula VI (4th floor), Session CO36, Health and Demographic Studies, Chair Giulia Cavrini

1. 190, Health and Discrimination among Refugees in Germany, Daria Mendola; Annalisa Busetta
2. 211, Trajectories of multimorbidity patterns at older ages using graphical model, network analysis and hidden Markov model, Hoang Khanh Linh DANG
3. 186, Causal discovery for a better understanding of frailty using survey data., Enrico Roma; Rossella Miglio

Friday, September 20, solicited and contributed sessions

Slot 11, from 12.30 to 13.30

Aula I, Session CO32, Innovation in Management and Technology, Chair Rossella Berni

1. 199, An Innovative Approach to Project Management, Rocco Festa; Rosa Papapietro; Michele Di Lecce; Antonio Ruoto; Giuseppe Oddo; Saverio Gianluca Crisafulli; Vito Santarcangelo
2. 200, Empowering Knowledge: The Role of Open Data and Open Science in Contemporary Research – Insights from the IODH Platform, Antonio Ruoto; Angelo Romano; Vito Santarcangelo; Saverio Gianluca Crisafulli; Giulio Setzu
3. 201, Optimization of the Loading of Frozen Products: The IceTrack Case Study, Giulio Setzu; Massimo De Salvo; Stefania De Salvo; Cinzia De Salvo; Domenico Persia; Antonello Carbone; Diego Carmine Sinitò

Aula 2, Session CO40: Educational Outcomes and Data Quality, Chair Nicola Tedesco

1. 281, Data Quality Assessment Framework as a useful tool in Composite Indicator construction, Francesca Bassi, Hillary Muhanguzi, Manuela Scioni
2. 282, Early detection of university dropouts, Maria Cristiana Martini
3. 260, Profiling Skills' Assessment via a Joint Archetypal Analysis and IRT Modeling Approach, Francesco Palumbo; Lucio Palazzo; Alfonso Iodice D'Enza

Aula V (3rd floor), Session CO28: Analyzing Tourism Dynamics and Impacts in Italy, Chair Fabrizio Antolini

1. 259, Exploring drivers of overnight stays and same-day visits in the tourism sector, Francesco Scotti
2. 261, Tourist flows and forecasts in three Piedmont areas in relation with the municipalities' income, Andrea Marletta; Luca Prelli
3. 275, Tourism and Crime: An Analysis on Italian Provinces, Mariangela Zenga; Paolo Mariani