



**STATISTICS AND
DEMOGRAPHY:
THE LEGACY OF
CORRADO GINI**

Treviso - Ca' Foscari University of Venice
September 9, 2015 – September 11, 2015

SIS2015INFO@GMAIL.COM

**ORGANIZED BY: Italian Statistical Society (SIS), Ca' Foscari University of Venice
in collaboration with the Department of Statistical Sciences University of Padua.**

Conference Program



Università
Ca' Foscari
Venezia

Program at a glance

Wednesday, September 9

	Room	
8:15-9:00 9:00-9:45	SP-8 SP-9 Aula Magna	REGISTRATION WELCOME ADDRESS
9:45-10:45	SL-D SL-B SP-10 SP-12	CPM1.1 – Socio-economic vulnerability and poverty measures CPM1.2 – Risk analysis CPM1.3 – Time transfers by age and sex and determinants of childlessness in Italy and Europe CPM1.4 – Statistical measures of inequality
10:45-11:15		COFFEE BREAK
11:15-12:30	SL-D SL-B SL-G	SP M1_1 – The measurement of income and wealth inequality SP M1_2 – Fecundity and infecundity SP M1_3 – Foundations of statistics
12:30-13:30	Aula Magna	PLEN 1 - Corrado Gini and the course of Italian history
13:30-14:30	SP courtyard	LUNCH

	Room	
14:30-15:45	SL-D SL-B SP-10 SP-12	SP M6_1 – Gini's ideas in supervised classification SOLL M1_1 – Spatial concentration SOLL M1_2 – Foreigners in the urban space: residential strategies and settlement patterns SOLL M1_3 – Social capital and inequalities. Measurements and network perspective
15:45-16:45	Aula Magna	PLEN 2 - The Gini Reveals More
16:45-17:15		COFFEE BREAK
17:15-18:15	SL-D SL-B SP-10 SP-12	CPM2.1 – Class of estimators CPM2.2 – Analysis of cultural and behavioral differences CPM2.3 – Different uses of the Gini indices CPM2.4 – Statistical methods for the analysis of the labor market and health systems

Thursday, September 10

	Room	
9:15-10:15	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-D</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-B</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block;">SL-G</div>	<div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">CPM3.1</div> – Clustering methods <div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">CPM3.2</div> – Analysis of demographic phenomena: mortality and mobility <div style="background-color: #2196F3; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">CPM3.3</div> – Analysis of consumer preferences and their satisfaction
10:15-11:15	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Aula Magna</div>	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">PLEN 3</div> - From Gini's approach to present day demography: "tempo effects" on demographic insights
11:15-11:45		COFFEE BREAK
11:45-13:00	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-D</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-B</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block;">SL-G</div>	<div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M5_1</div> - The role of Beta-distributions in statistical inference <div style="background-color: #A1887F; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SP M2_2</div> – From life table to mathematical functions for modeling survival and longevity <div style="background-color: #A1887F; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SP M2_3</div> – Life conditions, equity and sustainability
13:00-14:00	<div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SP courtyard</div>	LUNCH
	Room	
14:00-15:15	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-D</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-B</div> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SP-10</div> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block;">SP-12</div>	<div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M2_1</div> – Multidimensional and longitudinal approach to the study of poverty <div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M2_2</div> – Homogamy and heterogamy in couples' formation <div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M2_3</div> – Italian inequalities in education <div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M2_4</div> - Inequality measures and applications of the Gini index to social phenomena
15:15-16:15	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">Aula Magna</div>	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">PLEN 4</div> - Corrado Gini and Income inequality
16:15-16:45		COFFEE BREAK
16:45-17:45	<div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-D</div> <div style="background-color: #4CAF50; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SL-B</div> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SP-10</div> <div style="background-color: #F44336; color: white; padding: 2px; display: inline-block;">SP-12</div>	<div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M3_1</div> – Socio-economic inequalities and health <div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M3_2</div> – Impact evaluation of public policies <div style="background-color: #FFEB3B; color: black; padding: 2px; display: inline-block; margin-bottom: 5px;">SOLL M3_3</div> – Network graphical models and relational data <div style="background-color: #A1887F; color: white; padding: 2px; display: inline-block; margin-bottom: 5px;">SP M3_1</div> - Multivariate indices of heterogeneity and data analysis
18:45-...		CONCERT AND SOCIAL DINNER

Friday, September 11

	Room	
9:15-10:15	<p>SL-D</p> <p>SL-B</p> <p>SP-10</p> <p>SP-12</p>	<p>CPM4.1 – Some uses of the Gini indices</p> <p>CPM4.2 – Statistical tools to analyze socio economic data</p> <p>CPM4.3 – Analysis of demographic phenomena</p> <p>CPM4.4 – Composite indices and estimation methods</p>
10:15-11:30	<p>SL-D</p> <p>SL-B</p> <p>SP-10</p> <p>SP-12</p>	<p>SOLL M4_1 – Income distributions</p> <p>SOLL M4_2 – Statistics and data analysis for public policies</p> <p>SOLL M4_3 – Social and spatial inequalities across Italian regions</p> <p>SOLL M4_4 – Stat under the stars</p>
11:30-12:00		COFFEE BREAK
12:00-13:15	<p>SL-D</p> <p>SL-B</p> <p>SL-G</p>	<p>SP M4_1 – Measurement of inequality and their decomposition</p> <p>SP M4_2 – Towards a plural society: characteristics, differential behaviors and inequalities between old and new Italians</p> <p>SP M4_3 – Social and health disparities</p>

	Room	
13:15-14:15	<p>SP</p> <p>courtyard</p>	LUNCH
14:15-15:30	<p>SL-D</p> <p>SL-B</p> <p>SL-G</p>	<p>SP M5_1 – Stochastic dominance criteria</p> <p>SP M5_2 – Sex: the statistical point of view</p> <p>SP M5_3 – Estimation of poverty and inequality measures in complex sampling designs</p>
15:30-16:30	<p>Aula Magna</p>	PLEN 5 - Official statistics: the legacy of Corrado Gini
16:30-16:45	<p>Aula Magna</p>	CLOSING CERIMONY

WELCOME ADDRESS

Antonella Basso, Provost of the Ca' Foscari University of Venice
Nicola Torelli, President of the Italian Statistical Society
Corrado Crocetta, Chairman of the Scientific Program Committee
Stefano Campostrini, Chairman of the Local Organizing Committee

PLENARY SESSIONS

PLENARY SESSION 1: Corrado Gini and the course of Italian history (room Aula Magna h 12:30)

Speaker: Jean-Guy Prévost (UQAM)
Organizer: Corrado Crocetta (University of Foggia)

PLENARY SESSION 2: The Gini reveals more (room Aula Magna h 15:45)

Speaker: Shlomo Yitzhaky (Hebrew University of Jerusalem)
Organizer: Giovanni Maria Giorgi (La Sapienza University of Rome), Giovanni Favero (University Ca' Foscari of Venice)

SPECIALIZED SESSIONS

SP M1.1: THE MEASUREMENT OF INCOME AND WEALTH INEQUALITY (room SL-D h 11:15)

Brian A'Hearn (Oxford University), Giovanni Vecchi (University of Rome Tor Vergata)
Living Standards, Inequality And Poverty Around The World, 1815-2015: A New Household Budget Approach

Daniele Checchi (University of Milano), Vito Peragine, Laura Serlenga (University of Bari)
Income Inequality and Opportunity Inequality in Europe: Recent Trends and Explaining Factors

Marco Mira d'Ercole, Fabrice Murtin (OCSE)
Comparative statistics on the distribution of household wealth: where do we stand?

Organizer: Giovanni D'Alessio (Banca d'Italia)
Chairman: Ugo Trivellato (University of Padua)
Discussant: Linda Laura Sabbadini (ISTAT)

SP M1.2: FECUNDITY AND INFECUNDITY (room SL-B h 11:15)

Nicola Barban (Oxford University)
How late can you wait? Uncovering the interplay between genetics, life course postponement and infertility

Piero Manfredi (University of Pisa), Giuseppe Micheli (University of Milano Bicocca)
Roots, limits and legacy of Gini's cyclical theory of populations

Fiorenzo Rossi (University of Padua)
The Average Number of Children per Marriage, by Corrado Gini. Life and Times of an Honest Measure

Organizer: Filomena Racioppi (La Sapienza University of Rome)
Chairman: Maria Castiglioni (University of Padua)
Discussant: Alessandra De Rose (La Sapienza University of Rome)

SP M1.3: FOUNDATIONS OF STATISTICS (room SL-G h 11:15)

Francesco Pauli (University of Trieste)

Hypotheses testing: is it good for science?

Adelchi Azzalini (University of Padua)

To be, or not to be, that is the question

Eugenio Regazzini (University of Pavia)

Gini and the theory of probability

Organizer: Maria Letizia Tanturri (University of Padua)

Chairman: Bruno Scarpa (University of Padua)

Discussant: Walter Racugno (University of Cagliari)

SP M6.1: GINI'S IDEAS IN SUPERVISED CLASSIFICATION (room SL-D h 14:30)

Francesca Fortunato, Angela Montanari (University of Bologna)

Old solutions for new problems: one-class classification based on transvariation probability

Nicolai Trendafilov (The Open University U.K.)

Recipes for sparse LDA of horizontal data

Christian Henning (UCL U.K.), Cinzia Viroli (University of Bologna)

Quantile-based classifiers

Organizer: Corrado Crocetta (University of Foggia)

Chairman: Paola Monari (University of Bologna)

Discussant: Marilena Pilati (University of Bologna)

SOLICITED SESSIONS

SOLL M1.1: SPATIAL CONCENTRATION (room SL-B h 14:30)

Marco Ballin, Fabio Lipizzi (ISTAT)

Testing the spatial concentration of Italian provincial urban structure using different geographical partitions

Diego Giuliani (University of Trento), Simonetta Cozzi (ISTAT), Maria Michela Dickson (University of Trento), Giuseppe Espa (University of Trento)

The Effect of Location Errors on Distance-Based Measures of Spatial Concentration

Filippa Bono (University of Palermo), Maria Francesca Cracolici (University of Palermo), Diego Giuliani (University of Trento), Davide Piacentino (University of Palermo)

Demographic change, new business formation and spatial concentration of population

Domenica Panzera, Paolo Postiglione (University of Chieti-Pescara)

Economic inequality, spatial scale, and spatial concentration

Organizer: Corrado Crocetta (University of Foggia)

Chairman: Giuseppe Arbia (Università Cattolica del Sacro Cuore)

SOLL M1.2: FOREIGNERS IN THE URBAN SPACE: RESIDENTIAL STRATEGIES AND SETTLEMENT PATTERNS (room SP-10 h 14:30)

Oliviero Casacchia (Sapienza University of Rome), Luisa Natale (University of Cassino), Gregory Verdugo (Banque de France)

Minority segregation Process in a urban context: a comparison between Paris and Rome

Annalisa Busetta (University of Palermo), Angelo Mazza (University of Catania), Manuela Stranges (University of Calabria)

Ethnic segregation in a metropolitan area of Italy: the case of Palermo

Federico Benassi, Fabio Lipizzi (ISTAT)

Spatial patterns of main immigrants in communities in some large cities in Italy

Angelo Mazza, Antonio Punzo (University of Catania)

Spatial dependence in migrants' settlement patterns. The case of the city of Catania

Organizer: Salvatore Strozza (University of Naples Federico II)

Chairman: Frank Heins (IRPPS - CNR)

SOLL M1.3: SOCIAL CAPITAL AND INEQUALITIES. MEASUREMENTS AND NETWORK PERSPECTIVE

(room SP-12 h 14:30)

Alessandra Righi (ISTAT)

Measuring social capital: current initiatives and perspectives

Viviana Amati (University of Konstanz), Silvia Meggiolaro (University of Padua), Giulia Rivellini (Catholic University of Milan), Susanna Zaccarin (University of Trieste)

Network-based sources of social capital. Evidence from the Italian Multipurpose survey

Stefano Campostrini, Giovanni Bertin, Marco Carradore (University Ca' Foscari of Venice)

Social capital, civil society and health: the case of blood donors

Rosaria Lumino (University of Naples Federico II), Marijtje van Duijn (University of Groningen)

Social support and social capital: a multilevel analysis of single mothers ego-networks

Organizer: Giancarlo Ragozini (University of Naples Federico II)

Chairman: Maria Prosperina Vitale (University of Salerno)

CONTRIBUTED SESSIONS

CP M1.1: SOCIO-ECONOMIC VULNERABILITY AND POVERTY MEASURES (room SL-D h 9:45)

Silvia Terzi, Luca Moroni (University of Roma Tre)

Gini's delta to measure intensity of multidimensional performance

Mzia Shelia, Avtandil Sulaberidze (Ilia State University)

Poverty, domestic conflict and violence: Georgia's case

Shireen Assaf, Wenjuan Wang, Lindsay Mallick (ICF international USA)

Readiness of health facilities in Senegal for family planning services

Daniela Bonardo, Sara Casacci, Adriano Pareto, Marco Dionisio Terribili (ISTAT)

How Can Households' Vulnerability be Measured? The Added Value of Combined Methods

Chairman: Stefano Mazzuco (University of Padua)

CP M1.2: RISK ANALYSIS (room SL-B h 9:45)

Monica Billio, Roberto Casarin, Michele Costola, Andrea Pasqualini (University Ca' Foscari of Venice)

Entropy and systemic risk measures

Daniel Felix Ahelegbey, Monica Billio, Roberto Casarin (University Ca' Foscari of Venice)

Sparse BGVAR models for Systemic Risk Analysis

Alla Ivanova, Elena Zemlyanova (Federal Research Institute for Health Organization and Informatics, Moscow)

Impact of census data on levels and dynamics of the Russian demographic indicators

Massimiliano Caporin (University of Padua), Monica Billio (University Ca' Foscari of Venice), Loriana Pelizzon, Roberto Panzica (SAFE/Goethe University Frankfurt)

Networks, pricing and diversification

Chairman: Domenico Sartore (Ca' Foscari University of Venice)

CP M1.3: TIME TRANSFERS, BY AGE AND SEX AND DETERMINANTS OF CHILDLESSNESS IN ITALY AND EUROPE (room SP-10 h 9:45)

Emilio Zagheni (University of Washington)

Modeling Time Transfers by Age and Sex: Evidence from Time Use Matrices

Emiliano Sironi, Alessandro Rosina (Catholic University of Milan)

The Difficulty of Leaving Parental Home of Italian Young Adults during the Economic Crisis

Annalisa Donno (University of Padua)

A SEM model to study childlessness determinants

Maria Letizia Tanturri, Pietro Mozzi (University of Padua)

Increasing childlessness in Europe: the contribution of changes in structure and propensity

Chairman: Francesco Scalone (University of Bologna)

CP M1.4: STATISTICAL MEASURES OF INEQUALITY (room SP-12 h 9:45)

Benjamin Schalembier (Ghent University)

Measuring perceived income inequality: an evaluation of different methods

Lucio Bertoli-Barsootti, Tommaso Lando (University of Bergamo)

The Lorenz relation as intersection ordering of a class of inequality measure

Lisa Crosato, Gianna Serafina Monti (University of Milano Bicocca)

A simplicial approach to inequality measurement

David Aristei (University of Perugia)

Multidimensional inequality and well-being during the crisis: an application to EU-SILC longitudinal data

Chairman: Giovanni D'Alessio (Banca d'Italia)

CP M2.1: CLASS OF ESTIMATORS (room SL-D h 17:15)

Stefano Favaro (University of Torino and Collegio Carlo Alberto)

On a class of smoothed Good-Turing estimators

Jan Amos Visek (Charles University in Prague)

Asymptotics of S-weighted estimators

Ulku Erisoglu, Murat Erisoglu (Necmettin Erbakan University)

Percentile Estimators for Two Component Mixture Rayleigh Distribution

Annalisa Cerquetti

Bayesian nonparametric estimation of a generalized diversity index

Chairman: Antonio Lijoi (University of Pavia)

CP M2.2: ANALYSIS OF CULTURAL AND BEHAVIORAL DIFFERENCES (room SL-B h 17:15)

Anna Maria Parroco, Mauro Ferrante, Antonino Mario Oliveri (University of Palermo)

Resident's Perceptions of Tourism Influence on Quality of Life: a Multilevel approach

Maria Francesca Cracolici (University of Palermo)

Inequalities in Consumption Patterns over the Life Cycle and the Great Recession

Sergio Longobardi, Margherita Maria Pagliuca (University of Naples Parthenope)

A quantile approach to assess gender differences in financial literacy among Italian students

Marcantonio Caltabiano (University of Messina), Emanuela Dreassi, Emilia Rocco, Daniele Vignoli (University of Florence)

Clustering of Italian Families across Population Censuses A tempo-spatial exploration

Chairman: Giancarlo Ragozini (University of Naples Federico II)

CP M2.3: DIFFERENT USES OF THE GINI INDICES (room SP-10 h 17:15)

Roberto Fontana (Politecnico di Torino), Fabio Rapallo (University of Piemonte Orientale), Maria Piera Rogantin (University of Genova)

Aberration of three-level factorial designs and the Gini index

Carlo Drago (University of Rome Niccolò Cusano), Roberto Ricciuti

Bootstrapping the Gini Index of the Network Freeman Degree

Fabio Manca (University of Bari)

The mean difference of discrete distribution models

Giovanni Girone, Antonella Massari, Dante Mazzitelli (University of Bari)

More on the mean difference of continuous distributive models

Chairman: Corrado Crocetta (University of Foggia)

**CP M2.4: STATISTICAL METHODS FOR THE ANALYSIS OF THE LABOR MARKET AND HEALTH SYSTEMS
(room SP-12 h 17:15)**

Mariarosaria Aprea (University of Bologna), Ulrich Wienand (Ferrara University Hospital), Giorgia Valpiani (Ferrara University Hospital), Michele Scagliarini (University of Bologna)

Statistical Process Control for Healthcare Improvement: a Case Study

Chiara Gigliarano (University Politecnica delle Marche), Daniel Nowak, Karl Mosler (University of Köln)

A class of income polarization measures based on the Gini index

Giuliana Coccia, Alessandra Righi (ISTAT)

Labour policies for youth employment: the role of apprenticeship

Paolo Mariani, Biancamaria Zavanella, Matteo Maria Pelagatti (University of Milano Bicocca)

Employment forecasts: subjective expectations and the economic crisis

Chairman: Cristina Freguja (ISTAT)

Thursday, September 10

PLENARY SESSIONS

PLENARY SESSION 3: From Gini's approach to present day demography: "tempo effects" on demographic insights (room Aula Magna h 10:15)

Speaker: Graziella Caselli (La Sapienza University of Rome)

Organizer: Filomena Racioppi (La Sapienza University of Rome), Rosella Rettaroli (University of Bologna), Salvatore Strozza (University of Naples Federico II), Maria Letizia Tanturri (University of Padua), Antonio Golini (La Sapienza University of Rome)

PLENARY SESSION 4: Corrado Gini and Income inequality (room Aula Magna h: 15.15)

Speaker: Andrea Brandolini (Banca d'Italia)

Organizer: Giovanni D'Alessio (Banca d'Italia)

SPECIALIZED SESSIONS

**SP M2.2: FROM LIFE TABLE TO MATHEMATICAL FUNCTIONS FOR MODELLING SURVIVAL AND LONGEVITY
(room SL-B h 11:45)**

Marco Marsili (ISTAT)

Official Life Tables of the Italian population: from data processing to the implications for the society

Trifon I. Missov (Max Planck Institute)

Life-Table vs Model-Based Mortality Measures Contribution

Gustavo De Santis (University of Florence), Giambattista Salinari (University of Sassari)

Up the Gamma-Gompertz curve with gun and camera

Organizer: Rosella Rettaroli (University of Bologna)

Chairman: Elisabetta Barbi (La Sapienza University of Rome)

Discussant: Viviana Egidi (La Sapienza University of Rome)

SP M2.3: LIFE CONDITIONS, EQUITY AND SUSTAINABILITY (room SL-G h 11:45)

Linda Laura Sabbadini (ISTAT)

The integration of different measures of poverty and social distress as key to design equity policies: the case of Italy

Achille Lemmi (ASESD), Simone Bastianoni (University of Siena), Antonella D'Agostino (University of Naples Parthenope), Andrea Regoli (University of Naples Parthenope)

Environment-society-economy: monitoring countries through cluster analysis over time

Miranda Cuffaro, Maria Francesca Cracolici, Valerio Lacagnina (University of Palermo)

A PCA-AA approach to measure the equal and sustainable well-being in the Italian Regions

Organizer: Laura Neri (University of Siena)

Chairman: Nicoletta Pannuzi (ISTAT)

Discussant: Bruno Cheli (University of Pisa)

SP M3.1: MULTIVARIATE INDICES OF HETEROGENEITY AND DATA ANALYSIS (room SP-12 h 16:45)

Stefania Capecchi, Maria Iannario (University of Naples Federico II)

Gini heterogeneity index for detecting uncertainty in ordinal data surveys

Alfonso Iodice D'Enza (University of Cassino), Michel van de Velden (Erasmus University of Rotterdam)

Data reduction for categorical data: an explained heterogeneity approach

Stefano Bonnini (University of Ferrara), Eleonora Carrozzo, Luigi Salmasso (University of Padua)

A review on heterogeneity test: some permutation procedures

Organizer: Giancarlo Ragozini (University of Naples Federico II)

Chairman: Domenico Piccolo (University of Naples Federico II)

Discussant: Paola Monari (University of Bologna)

SOLICITED SESSIONS

SOLL M5.1: THE ROLE OF BETA-DISTRIBUTIONS IN STATISTICAL INFERENCE (room SL-D h 11:45)

Benito V. Frosini (Catholic University of Milano)

Probability and Inference in the Works of Corrado Gini

Luisa Stracqualursi, Patrizia Agati (University of Bologna)

"Gini's distribution", regression models and network analysis: a case study

Maurizio Brizzi (University of Bologna)

A concise historical overview of Beta distribution and the contribution due to Corrado Gini in pointing out its primary role for solving probabilistic problems

Enrico Fabrizi (Catholic University of Milano), Carlo Travisano (University of Bologna)

Bayesian Beta regression for the estimation of the Gini concentration coefficient in small domains

Organizer: Corrado Crocetta (University of Foggia)

Chairman: Paola Monari (University of Bologna)

SOLL M2.1: MULTIDIMENSIONAL AND LONGITUDINAL APPROACH TO THE STUDY OF POVERTY (room SL-D h 14:00)

Sara Ayllon (University of Girona) Andras Gabos (Tarki Institute)

The interrelationships between the Europe 2020 poverty and social exclusion indicators

Olga Canto Sanchez (University of Alcalà) David Ruiz (University Del Valle and de Alcalà)

The Contribution of income mobility to economic insecurity in the US and Spain during the Great Recession

Alessio Fusco (Liser Luxembourg), Sara Ayllon (University of Girona)

Is there a dynamic relationship between income poverty and perceived financial difficulties?

Annalisa Busetta (University of Palermo)

The effect of foreigners' economic living conditions on self-perceived unmet medical needs

Organizer: Laura Neri (University of Siena), Maria Letizia Tanturri (University of Padua)

Chairman: Daria Mendola (University of Palermo)

SOLL M2.2: HOMOGAMY AND HETEROGAMY IN COUPLES' FORMATION (room SL-B h 14:00)

Alessandra De Rose (La Sapienza University of Rome), Romina Fraboni (ISTAT)

Measuring partnership homogamy in Italy: old methods for new issues

Matteo Manfredini (University of Parma)

Determinants of social homogamy in 19th century rural Italy

Giuseppe Gabrielli (University of Naples Federico II), Anna Paterno (University of Bari)

Transnational and homogamous Couples in Italy: Gender Heterogeneities and Mate Selection Pattern

Alessandra Trimarchi (La Sapienza University of Rome), Jan Van Bavel (Katholieke Universiteit Leuven)

Pathways to couples' first birth in Europe: the role of educational assortative mating

Organizer: Filomena Racioppi (La Sapienza University of Rome)

Chairman: Silvana Salvini (University of Florence)

SOLL M2.3: ITALIAN INEQUALITIES IN EDUCATION (room SP-10 h 14:00)

Chiara Masci, Francesca Ieva, Tommaso Agasisti, Anna Maria Paganoni (Politecnico of Milano)

Analysis of pupil's achievements by means of bivariate mixed effect models

Patrizia Falzetti (INVALSI), Sergio Longobardi (University of Naples Parthenope), Paolo Sestito (Banca d'Italia)

A multistep approach to detect and correct the cheating in Italian students data

Tommaso Agasisti, Mara Soncin, Riccardo Valenti (Politecnico of Milano)

Resilient students in four Italian cities: a probit analysis

Daniele Checchi (University of Milano IZA), Stefano Iacus (University of Milano), Giuseppe Porro (University of Insubria)

Can Educational policies today change income inequality tomorrow?

Organizer: Matilde Bini (European University of Rome)

Chairman: Stefania Mignani (University of Bologna)

SOLL M2.4: INEQUALITY MEASURES AND APPLICATIONS OF THE GINI INDEX TO SOCIAL PHENOMENA (room SP-12 h 14:00)

Rolf Aaberge (Statistics Norway), Tony Atkinson (Oxford University)

The Median as Watershed

Francesco Andreoli (LISER Luxembourg and University of Verona)

Assessing heterogeneity in social interactions: the Gini-exposure index

Brice Magdalou (University of Montpellier), Alain Chateauneuf (University of Paris 1), Patrick Moyes (CNRS, GRETha, and University of Bordeaux)

Another look on the generalized Gini social welfare functions

Pauline Mornet, Stephane Mussard (University of Montpellier)

Beyond the Gini index

Organizer: Cludio Zoli (University of Verona)

Chairman: Mauro Mussini (University of Verona)

SOLL M3.1: SOCIO-ECONOMIC INEQUALITIES AND HEALTH (room SL-D h 16:45)

G. Di Gessa, K. Glaser, A. Tinker (King's College London)

Socio-economic inequalities and health among grandparents: a life course approach

Elena Pirani (University of Florence)

Social ties and family support of disabled persons. Socio-economic and regional variations in Italy

Alastair H. Leyland (University of Glasgow)

Measuring and reducing socio-economic inequalities in health

Laura Grisotto, Annibale Biggeri (University of Florence)

Material deprivation and health inequalities. Models to control the ecological fallacy

Organizer: Giorgio Calzolari (University of Florence)

Chairman: Silvana Salvini (University of Florence), Annibale Biggeri (University of Florence)

SOLL M3.2: IMPACT EVALUATION OF PUBLIC POLICIES (room SL-B h 16:45)

Daniele Bondonio (University of Piemonte Orientale, Ohio State Univ.), Teresa Farinha-Fernandes (Utrecht University), Ricardo Mamede (University Institute Lisbon)

EU Cohesion Policy Funds and Job Quality: A Counterfactual Impact Evaluation with Linked Employer-Employee Data

Maria Gabriella Campolo, Antonino Di Pino (University of Messina)

Causal Effects of Retirement on the Housework Division in the Italian Couples

Emanuele Ciani, Guido de Blasio (Banca d'Italia)

European Structural Funds During the Crisis: Evidence from Southern Italy

Cristina Bernini (University of Bologna), Augusto Serqua (University of Westminster), Guido Pellegrini (La Sapienza University of Rome)

Public subsidies, TFP and Efficiency: a tale of complex relationships

Organizer: Matilde Bini (European University of Rome)

Chairman: Anna Giraldo (University of Padua)

SOLL M3.3: NETWORK GRAPHICAL MODELS AND RELATIONAL DATA (room SP-10 h 16:45)

Isadora Antoniano-Villalobos, Maxim Nazarov, Sonia Petrone (Bocconi University of Milano)

A Nonparametric Latent Space Model for Dynamic Relational Networks

Daniele Durante (University of Padua), David B. Dunson (Duke University)

Bayesian Regression with Network Predictors

Flaminia Musella (Link Campus University)

A proposal for learning Bayesian networks from categorical variables

Organizer: Corrado Crocetta (University of Foggia), YSIS

Chairman: Antonio Canale (University of Torino, Collegio C. Alberto), Clara Grazian (Paris Dauphine University), Lucia Paci (Università di Bologna), Erlis Ruli (University of Padua), Tocchioni

Discussant: Erlis Ruli (University of Padua)

CONTRIBUTED SESSIONS

CP M3.1: CLUSTERING METHODS (room SL-D h 9:15)

Nico Keilman (University of Oslo)

Dimension Reduction by Brass' Relational Model: Household Dynamics in Five European Countries

Giorgia Rocco, Luca Tardella (La Sapienza University of Rome), Michele Di Bari, Romolo Nonno, Maria Puopolo (Istituto Superiore di Sanità)

Clustering and Classification methods for an experimental study on prion diseases

Carlo Drago (University of Rome Niccolò Cusano), Rachele Ferlito, Maria Zucconi

Clustering of damage variables for masonry buildings measured after L'Aquila earthquake

Murat Erisoglu, Ulku Erisoglu (Necmettin Erbakan University)

A Novel Dimension Reduction Approach for Mixture Discriminant Analysis of the High-Dimensional Data

Chairman: Andrea Pastore (University Ca' Foscari of Venice)

CP M3.2: ANALYSIS OF DEMOGRAPHIC PHENOMENA: MORTALITY AND MOBILITY (room SL-B h 9:15)

Shorena Tsiklauri, Avtandil Sulaberidze, Nino Gomelauri (Ilia State University)

Georgian Migration Data Harmonization with European Standards

Paolo Emilio Cardone (ISFOL, La Sapienza University of Rome), Joan Pau Jordà, Chiara Sanna

Social Mobility and Mortality in southern Sweden (1813-1910)

Sándor Illés (Leibniz Institute for Regional Geography)

Attempts on measurement and visualisation of international circular migration

Ugo Filippo Basellini (Max Planck Institute for Demographic Research), Vladimir Canudas-Romo, Adam Lenart (Max Planck Odense Center)

Location-scale models in demography: a generalization of the parametric models of mortality

Chairman: Salvatore Strozza (University of Naples Federico II)

CP M3.3: ANALYSIS OF CONSUMER PREFERENCES AND THEIR SATISFACTION (room SL-G h 9:15)

Paola Mancini, Mariarosaria Simeone, Andrea Marchini (University of Sannio)

Food Choice And Sustainable Attributes. Empirical Evidences And Policy Implications

Omar Paccagnella, Mariangela Guidolin, Giada Derboni (University of Padua), Teresa Bago d'Uva (Erasmus University Rotterdam)

The anchoring vignette approach to measure customer satisfaction

Daria Mendola, Scaglione Aurelio (University of Palermo)

Perceived Value in Tourism: A PLSPM Approach

Livia Celardo, Domenica Fioredistella Iezzi (University of Rome Tor Vergata)

Tourism market segmentation of Italian families for the summer season

Chairman: Claudio Pizzi (università Ca' Foscari of Venice)

Friday, September 11

PLENARY SESSIONS

PLENARY SESSION 5: Official statistics: the legacy of Corrado Gini (room Aula Magna h 15:30)

Speaker: Giorgio Alleva (ISTAT)

Organizer: Cristina Freguja (ISTAT)

SPECIALIZED SESSIONS

SP M4.1: MEASUREMENT OF INEQUALITY AND THEIR DECOMPOSITION (room SL-D h 12:00)

Michele Zenga (University of Milano Bicocca)

Joint decomposition by subpopulations and sources of the Zenga Inequality Index I(Y)

Christian Kleiber (University of Basel)

Classical inequality measurement and top incomes

Michele Costa (University of Bologna)

Overlapping Component and Inequality Decomposition: a Simulation Study for the Gini Index

Organizer: Donata Marasini (University of Milano Bicocca)

Chairman: Achille Lemmi (University of Siena)

Discussant: Benito Vittorio Frosini (Catholic University of Milano)

SP M4.2: TOWARDS A PLURAL SOCIETY: CHARACTERISTICS, DIFFERENTIAL BEHAVIORS AND INEQUALITIES BETWEEN OLD AND NEW ITALIANS (room SL-B h 12:00)

Gian Carlo Blangiardo, Stefania Rimoldi (University of Milano Bicocca)

The heritage from the past for analysing the present

Corrado Bonifazi, Frank Heins (IRPPS-CNR Roma)

Residential segregation patterns of old and new Italians between dispersion and segregation

Federico Giorgi, Alfonso Rosolia (Banca d'Italia)

Migrants and Inequality

Organizer: Salvatore Strozza (University of Naples Federico II)

Chairman: Laura Terzera (University of Milano Bicocca)

Discussant: Giuseppe Sciortino (University of Trento)

SP M4.3: SOCIAL AND HEALTH DISPARITIES (room SL-G h 12:00)

Giuseppe Costa, Morena Stroschia (University of Turin)

Health inequalities in Italy: a challenge for statistics, research and health policies

Shireen Assaf (ICF international USA)

A new statistical approach for observing changing time of subgroups in health surveillance data

Organizer: Stefano Campostrini (University Ca' Foscari of Venice)

Chairman: Giovanni Bertin (University Ca' Foscari of Venice)

Discussant: Domenico De Stefano (University of Trieste)

SP M5.1: STOCHASTIC DOMINANCE CRITERIA (room SL-D h 14:15)

Pietro Muliere (University of Milano Bocconi)

Inverse stochastic dominance, inequality measures and Gini

Karl Mosler (University of Köln)

Comparing multidimensional inequality by positive weighted-mean orders

Nicoleta Anca Matei (EC JCR IPTS), Claudio Zoli (University of Verona)

Time dominance for not too impatient decision maker

Organizer: Antonio Lijoi (University of Pavia)

Chairman: Antonio Lijoi (University of Pavia)

Discussant: Antonio Colangelo (European Central Bank)

SP M5.2: SEX: THE STATISTICAL POINT OF VIEW (room SL-B h 14:15)

Elena Ambrosetti (La Sapienza University of Rome), Livia Elisa Ortensi (University of Milano Bicocca),

Cinzia Castagnaro, Marina Attili (ISTAT)

Sex imbalances at birth in migratory context in Western Europe: evidence from Italy

Francesco Scalone (University of Bologna)

Exploring the Variations of the Sex Ratio at Birth in an Historical Perspective

John Bongaarts, Christophe Z. Guilmoto (Ceped-Paris Descartes)

How Many More Missing Women? Excess Female Mortality and Prenatal Sex Selection, 1970-2050

Organizer: Maria Letizia Tanturri (University of Padua)

Chairman: Ester Rizzi (Catholic University of Louvain-La Neuve)

Discussant: Alessandro Rosina (Catholic University of Milano)

SP M5.3: ESTIMATION OF POVERTY AND INEQUALITY MEASURES IN COMPLEX SAMPLING DESIGNS (room SL-G h 14:15)

Yves Tillè (Univ. Neuchatel, Switzerland)

The Legacy of Corrado Gini in Survey Sampling and Inequality Theory

Pier Luigi Conti, Alberto Di Iorio (La Sapienza University of Rome), Alessio Guandalini (ISTAT)

On the estimation of the concentration curve under complex sampling designs

Giancarlo Diana (University of Padua), Pier Francesco Perri (University of Calabria)

On the linearization of some inequality indices under the randomized response theory

Organizer: Filippo Domma (University of Calabria)

Chairman: Barabesi Lucio (University of Siena)

Discussant: Enrico Fabrizi (Catholic University of Milano)

SOLICITED SESSIONS

SOLL M4.1: INCOME DISTRIBUTIONS (room SL-D h 10:15)

Michele Battisti (University of Palermo), Salvatore Ingrassia, Angelo Mazza, Antonio Punzo (University of Catania)

Semi-parametric estimation of the rate of return to education

Francesca Condino, Sabrina Giordano (University of Calabria), Bozidar V. Popovic (University of Montenegro)

Reparameterizations of Dagum Distribution

L. De Capitani (University of Milano Bicocca), Federica Nicolussi (Catholic University of Milano), A. Zini (University of Milano Bicocca)

The Multivariate Burr III copula with applications to income data

Alberto Arcagni, Francesco Porro (University of Milano Bicocca)

On the income distribution models and inequality curves

Organizer: Filippo Domma (University of Calabria)

Chairman: Michele Costa (University of Bologna)

SOLL M4.2: STATISTICS AND DATA ANALYSIS FOR PUBLIC POLICIES (room SL-B h 10:15)

Alberto Baffigi, Achille Puggioni (Banca d'Italia)

"Il polso di Gini": the controversy with Luzzatto Fegiz about opinion-polls

Eloisa Betti (University of Bologna), Giovanni Favero (University Ca' Foscari of Venice)

Statisticians in local politics. The case of postwar Bologna

Maria Letizia D'Autilia (ISTAT)

Statistical information on the public administration

Alessio Fornasin (University of Udine)

Corrado Gini's contribution to estimates of military deaths in the First World War

Organizer: Rosella Rettaroli (University of Bologna)

Chairman: Jean-Guy Prévost (UQAM)

SOLL M4.3: SOCIAL AND SPATIAL INEQUALITIES ACROSS ITALIAN REGIONS (room SP-10 h 10:15)

Silvia Dardanelli, Mariangela Verrascina (ISTAT)

A territorial reading of household changes

Simone De Angelis, Simona Mastroluca, Alessandro Sasso (ISTAT)

Neet generation: amount and features of a growing phenomenon

Paolo Mariani (University of Milano Bicocca), Mauro Mussini (University of Verona), Biancamaria Zavanella (University of Milano Bicocca)

A measure of bipolarization in labour productivity across Italian regions

Federico Benassi, Evelina palazzi (ISTAT), Concetta Salleo (La Sapienza University of Rome), Salvatore Strozza (University of Naples Federico II)

Labour Market Integration of Migratory Generations: an Exploratory Analysis based on Census Data

Organizer: Cristina Freguja (ISTAT)

Chairman: Fabio Crescenzi (ISTAT, SIS VSP)

SOLL M4.4: STAT UNDER THE STARS (SUTS): A NIGHT OF STATISTICS, PROBLEM SOLVING, AND TEAMWORK (room SP-12 h 10:15)

Winner of SUTS

Organizer: Corrado Crocetta (University of Foggia)

Chairman: Antonio Canale (University of Torino, Collegio C. Alberto), Daniele Durante, Mariangela Guidolin, Livio Finos, Bruno Scarpa (University of Padua)

CONTRIBUTED SESSIONS

CP M4.1: SOME USES OF THE GINI INDICES (room SL-D h 9:15)

Glenn Firebaugh, Francesco Acciai (Pennsylvania State University)

Using Lorenz Curves and the Gini Index to Depict Inequality and Segregation for Multiple Groups

Paolo Carnà (ASL TO3), Mauro Ferrante (University of Palermo), Alfredo Pontillo (ASL TO3), Alessandro Migliardi, Salvatore Scondotto (Regione Sicilia)

Population geocoding for healthcare management. Technical challenges and quality issues

Giovanni Girone, Fabio Manca, Angela Maria D'Uggento (University of Bari)

An implementation of the Gini concentration ratio decomposition by sources

Valentina Mameli (University Ca' Foscari of Venice), Alessandra Rosalba Brazzale (University of Padua)

Small-sample inference on measures of concordance for the Gaussian bivariate copula with emphasis on Gini's gamma index

Chairman: Maurizio Carpita (University of Brescia)

CP M4.2: STATISTICAL TOOLS TO ANALYZE SOCIO ECONOMIC DATA (room SL-B h 9:15)

F. Marta L. Di Lascio (Free University of Bolzano), Simone Giannerini (University of Bologna)

Colmp R package: copula-based multivariate imputation

Francesca Parpinel, Claudio Pizzi (University Ca' Foscari of Venice)

A nonparametric measure of riskness in financial systems

Mauro Ferrante, Christian Bongiorno (University of Palermo), Noam Shoval (The Hebrew University of Jerusalem and University of Pittsburgh)

Cruise passengers' trajectories at destination. A Dynamic Time Warping approach

Margaret Antonicelli, Calace Donato, Domenico Morrone, Angeloantonio Russo (LUM Jean Monnet)

A cross-country study of GRI reporting: a concentration and multivariate regression analysis

Chairman: Stefano Campostrini (University Ca' Foscari of Venice)

CP M4.3: ANALYSIS OF DEMOGRAPHIC PHENOMENA (room SP-10 h 9:15)

Barry William McDonald (Massey University)

Demography of religion – the example of New Zealand

Chiara Gigliarano (University Politecnica Marche), Marco Bonetti (University of Milano Bocconi)

Survival and the Gini Concentration Index

Avtandil Sulaberidze, Giorgi Tsuladze (Ilia State University), Tamar Shinjiashvili (Sokhumi State University)

Selective Abortions in Georgia

Gustavo De Santis (University of Florence), Massimo Mucciardi (University of Messina)

Culturally close? Easier said than measured

Chairman: Maria Letizia Tanturri (University of Padua)

CP M4.4: COMPOSITE INDICES AND ESTIMATION METHODS (room SP-12 h 9:15)

Mario Romanazzi (University Ca' Foscari of Venice)

Robust Estimation of Skew-normal Parameters with Application to Outlier Labelling

Yasin Asar, Adnan Karaibrahimoğlu (Necmettin Erbakan University)

New Methods to Estimate the Biasing Parameters Used in Liu-type Logistic Regression: An Application to Data of Bankruptcy of Turkish Banks during the Asian Financial Crisis

Matteo Mazziotta, Adriano Pareto (ISTAT)

On the Construction of Composite Indices by Principal Components Analysis

Rosanna Cataldo, Carlo N. Lauro, Maria Gabriella Grassia, Marina Marino (University of Naples Federico II)

Higher order construct PLS-PM for Social Composite Indicators

Chairman: Corrado Crocetta (University of Foggia)

