

## Conference in honour of Corrado Gini (Padua, 7-8 September 2015)

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### Remembrance of a Master (7 September 2015, 'Archivio antico' at University of Padua)

#### Programme

14:00 – 14:30 *Authorities' speeches*

Prof. Giuseppe Zaccaria, Rector of Padua University

Prof.ssa Alessandra Salvan, Director of the Department of Statistical Sciences

Prof. B. Vittorio Frosini, President of ASA – Association for Applied Statistics

Prof. Nicola Torelli, President of SIS – Italian Statistical Society

Chair: Director of Statistical Sciences Department, prof. Alessandra Salvan

14.30 – 16.00 *Introductory speech* by prof. Giuseppe Leti (Sapienza University of Rome) '*Corrado Gini as a Master in Statistics*'

Discussants: prof. Italo Scardovi (University of Bologna),

prof. B. Vittorio Frosini (Catholic University of Sacred Heart of Milan)

16:00 – 16:30 *Coffee break*

Chair: prof. Felice Vian (Università di Padova)

16:30 – 17:00 '*Corrado Gini, professor of Statistics at Padua University*', prof. Silio Rigatti Luchini (University of Padua)

17:00 – 18:00 '*Gini's contribution to economics studies*', prof. Luciano Greco (University of Padua)

Discussants: prof. Michele Zenga (Bicocca University of Milan),

prof. Andrea Furlan (University of Padua)

18:00 *Remembrance day closing*

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*Participants will receive a copy of the book “Corrado Gini, una meteora statistica, Cleup, Padova”*

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## National Conference on

### *‘Statistics for juridical, forensic and educational studies’*

8 September 2015

Santa Caterina Complex at Padua University

(Via C. Battisti 241)

### Scientific programme (draft)

Chair: prof. B. Vittorio Frosini (Catholic University of Sacred Heart of Milan)

- 9:00 – 10:30 Plenary session: **Round table** on ‘*Statistics for forensics*’,  
‘*The Bayesian approach to inference in forensic science*’ prof. Paolo Garbolino  
(IUAV University of Venice)  
‘*Probabilistic Expert Systems for the Analysis of Forensic Evidence*’ prof. Julia  
Mortera (University Roma Tre)  
‘*The need for statistical evaluation of forensic science*’ prof. Carlo Rosati (Virginia  
Commonwealth University, FBI, USA)  
‘*Experts, inference and the value of evidence*’ prof. Franco Taroni (University of  
Lausanne, CH)

10:30 – 11:00 *Coffee break*

- 11:00 – 12:00 **I Session of Contributed Papers** (chair: prof. Simona Balbi, ‘Federico II’  
University of Naples)  
‘*A Bayesian non parametric approach for the fundamental problem of forensic  
statistics*’ (prof. Giulia Cereda, University of Lausanne, CH)  
‘*Quality of web data: A statistical approach for forensics*’ (eng. Vito Santarcangelo,  
eng. A. Buondonno, eng. A. Romano, iInformatica srls, eng. Egidio Cascini,  
Accademia Italiana del Sei Sigma)  
‘*A practical analysis about legal evidence and free conviction*’, dr. M. Desiré  
Montesano, dr. N. Montesano, and dr. F.P. Montesano, Studio Legale Montesano,  
Matera)

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12:00 – 13:00 **Plenary session:** ‘*Human capital of migrants out of Italy*’ prof. Furio Camillo (University of Bologna), prof. Giorgio Vittadini (Bicocca University of Milan),  
Discussants: prof. Gian Carlo Blangiardo (State University of Milan)  
Prof. Luigi Campiglio (Catholic University of Sacred Heart of Milan)

13:00-14:30 *Lunch*

14:30 – 15:30 **II Session of Contributed Papers** (chair: prof. Antonio Giusti, University of Florence)  
‘*Ranking performances of a group of items*’ (eng. Egidio Cascini, Accademia Italiana del Sei Sigma)  
‘*A fractional design to elicit graduates’ preferences for job characteristics*’ (Luigi Fabbris, Francesca Miari and Manuela Scioni, University of Padua)  
‘*A multivariate ordered probit model in presence of missing values*’ (dr. Euloge Clovis Kenne Pagui, University of Padua, and Antonio Canale, University of Turin)

15:30 – 16:30 **III Session of Contributed Papers** (chair: eng. Egidio Cascini, AISS – Accademia Italiana del Sei Sigma)  
‘*Methodology of regional statistics planning: Support for development decisions*’ (dr. Maria Teresa Coronella, Veneto District, and prof. Felice Vian, formerly University of Padua)  
‘*How to deal with negative values in the calculation of the Gini coefficient*’ (prof. E. Raffinetti, prof. E Siletti and prof. Achille Vernizzi, University of Milan)  
‘*The psychological capital for labour: A survey on fresh graduates from the University of Padua*’ (prof. Angelo Boccato, prof. Luigi Fabbris, prof. Roberta Maeran, prof. Egidio Robusto, dr. Manuela Scioni, and dr. Federica Tolin, University of Padua)

16:30 – 17:00 *Coffee break*

17:00 – 18:00 **Plenary session:** ‘*Criteria for extending inferences to populations*’, prof. Fortunato Pesarin (University of Padua)  
Discussants: prof. Giovanni A. Fava (University of Bologna, State University of New York at Buffalo)  
Prof. Luigi Biggeri (University of Florence)

18:00 *Conference closing*

## **Main topics dealt with at the conference**

- Corrado Gini as a professor at University of Padua
- Juridical and forensic statistics

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- Evidence evaluation in forensics
- Social capital and competency analysis
- Graduates' employment and labour market analysis
- Brain and arms drain
- Choice experiments and preference elicitation
- Measurement scales vs. conjoint measurement
- Ranking and rating for quality improvement
- Ranking and rating for marketing
- Vignettes analysis
- Techniques for data quality evaluation
- Integrating survey and administrative data
- Selection-biased samples
- Indirect observation of phenomena
- Missing or censored, though informative, data
- Dangers caused by statistics
- Challenging problems in statistics

### **Partner journals**

*Genus*

*Metron*

*Statistica Applicata – Italian Journal of Applied Statistics*

*Statistica*

### **Social dinner (7 September 2015)**

Participants and accompanying persons are invited to have dinner together at a Padua restaurant. Alumni of the Padua Statistical Faculty and representatives of Gini's family will also be invited to attend the dinner.

### **Contest with prizes for best papers**

A contest with two prizes of 700 and 350 Euros has been announced for the best papers on applied statistics submitted by young scholars for publication, after refereeing, to any of the official journals of the conference. The contest is open to scholars aged 39 or less as of 8 September 2015. The scientific contribution of the contestant must be elicited from the paper. The prize is sponsored by the Franca and Diego De Castro Foundation.

### **Workshop (7 September 2015)**

A half-day workshop on “*Compositional data (CoDa) methods in the analysis of customer surveys*” is going to be organized by prof. Ron Kenett in the morning of 7 September. The workshop is addressed to both early graduates and people whose job involves customer surveys. In this

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workshop applications of CoDa methodology to the analysis of customer surveys are presented and findings are compared to what is presented in the book by Kenett and Salini (2011). The workshop will last 4 hours with one coffee break.

### **Multimedia exhibit**

The multimedia exhibit on '*Corrado Gini and Statistics in the First Half of the Nineteenth Century*' is aimed at situating Gini in the emerging age of statistics as a scientific discipline, both in Italy and abroad. The exhibit will travel from university to university and to other institutions where Gini worked and will be finally located at Istat, the institute chaired by Gini from 1926 on, where he served as president for six years.

### **Fees**

Attendance at Gini's remembrance (7 September, 2015)	free
Attendance at Padua conference (8 September, 2015):	70 Euros
Attendance at Padua Workshop, September 7:	
- Normal fee	25 Euros
- Students	free

### **Relevant deadlines**

30 July, 2015: abstract submission for contributed papers

07 August, 2015: acceptance of abstracts for paper presentation at the conference

30 November, 2015: submission of full paper for the 'young statisticians' contest

### **Conference supported by:**

'Franca & Diego De Castro' Foundation

Cassa di Risparmio del Veneto

The Commune of Motta di Livenza

University of Padua

'Marco Fanno' Department of Economics and Management, Padua University

Request for economic support was submitted to other institutions

### **Local Organizing Committee:**

prof. Felice Vian (University of Padua, chair)

prof. Mario Bolzan (University of Padua)

Mrs. Maria Teresa Coronella (Regione del Veneto)

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prof. B. Vittorio Frosini (Catholic University of Sacred Heart of Milan, ASA)  
prof. Ron Kenett (University of Turin, KPA)  
prof. Giuseppe Leti (Sapienza University of Rome)  
prof. Paola Monari (University of Bologna)  
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**BIOGRAPHY OF GINI**

Corrado Gini was born in Motta di Livenza, Treviso, in 1884. He graduated from Bologna University in Law in 1905 with a thesis on the ratio between genders at birth. He used a quantitative approach, which was the start of his passion for statistics, at that time a subject for the enlightened few.

He left his mark wherever he went:

- At the University of Cagliari he started his activities in 1909 as a full professor and held a Chair in Statistics.
- At the University of Padua he founded the Institute of Statistics at the Law Faculty in 1913 and also founded Metron, a journal in which Fisher and other outstanding statisticians published fundamental papers in statistics.

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- At the University of Rome he served as a professor from 1925 and was the first Dean of the Faculty of Statistics
- In Rome he also founded and served as the first president of Istat, the Italian Institute of Statistics, from 1926 to 1932.

Even today the concentration index that Gini proposed almost a century ago is used all over the world and by scholars in all disciplines concerned with a scientific-quantitative approach. His brilliance was also revealed through the innovations he brought to various statistical fields that are today considered schools of thought (among others, the empirical Bayesian approach) and the quantitative approach he instilled in social disciplines such as demography, sociology, economics and forensics.

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