



SIS 2011 Statistical Conference

Alma Mater Studiorum - University of Bologna
Department of Statistical Sciences
Faculty of Statistical Sciences



Statistics in the 150 years from Italian Unification

Bologna, June 8-10, 2011



1861 > 2011 >
150° anniversario Unità d'Italia

Via delle Belle Arti, 41 -Bologna



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CONFERENCE ROOMS LOCATION



Registration (Hall) and Lecture rooms I, II, III, IV
Faculty of Statistical Sciences
Via delle Belle Arti, 41
40126 Bologna



Room V (Aula Barilla)
Faculty of Economics
Piazza Scaravilli, 2
40126 Bologna



LOCATION OF LUNCHES, COFFEE BREAKS

Department of Statistical Sciences, Via delle Belle Arti, 41

WEDNESDAY, JUNE 8

room	
9:00- 9:30	REGISTRATION
9:30-10:00	I OPENING CERIMONY
10:00-11:30	I S.1 - The contribution of Italian statistics to multivariate analysis IV S.2 - Production and integration of micro data archives and the evolution of models of access for analytical users III S.3 - The dynamics of social stratification in Italy II C.1 - New developments in applied statistics
11:30-12:00	COFFEE BREAK
12:00-13:30	I S.4 - Statistical quality control: Italian contributes and new perspectives III S.5 - Academic teaching of statistics IV S.6 - The measures of regional disparities in Italy V I.1 - Session organized by the German Statistical Society II C.2 - Modelling demographic phenomena
13:30-14:30	LUNCH
14:30-15:30	V P.1 - Official statistics and the building of the Unified Italian State: institutions and methodologies
15:30-16:00	COFFEE BREAK
16:00-17:30	I S.7 - The history of science and of its methods, the evolution of the epistemological statute of statistics II S.8 - Evolution of statistics in life sciences V S.9 - Statistics for strengthening autonomies: the municipalities viewpoint III S.10 - Teaching statistics at school IV I.2 - Session organized by the French Statistical Society
17:30-18:30	V P.2 - Administrative archives and sample surveys: from alternative to integrated sources
19:00	WELCOME COCKTAIL

- P. Plenary session
- S. Specialized session
- C. Contributed session
- I. International session
- R.T. Round table

THURSDAY, JUNE 9

room	
9:00-10:30	V S.11 - The long path of national economic accounts I S.12 - Basic concepts and alternative approaches to statistical inference III S.13 - Social and health statistics from the unification of Italy on IV I.3 - Session organized by the Spanish Statistical Society II C.3 - The social-demographical transformations of population in Italy
10:30-11:30	V P.3 - Statistics and economics: a strong - and complex – nexus
11:30-11:45	COFFEE BREAK
11:45-13:15	V RT.1 - Past, present and future of the statistical evaluation of university teaching in Italy III C.4 - Official statistics I C.5 - Modelling social phenomena IV C.6 – Social and economic developments in historical perspective II C.7 – Advances in analyzing administrative data
13:15-14:15	LUNCH + POSTER
14:15-15:45	V S.14 -The Janus-faced Gini: science and politics in interwar Italy III S.15 - Evaluation of the quality of learning: analysis and methods II S.16 - New frontiers in the design of experiment IV S.17 - The great transformations of the society through gender and generational relationships the birth of the women's issue and the women's role I I.4 - Session organized by the Royal Statistical Society
15:45-16:00	COFFEE BREAK
16:00-17:00	V P.4 - The European Monetary Union and the statistics' role
17:00-18:00	I Activities and projects of the Italian Statistical Society
18:00-19:00	I Assemblea generale SIS
20:30	GALA DINNER

FRIDAY, JUNE 10

room	
8:30- 10:00	III S.18 - The evolution of risk and quality measures: the role of statistics I S.19 - Models for longitudinal data V S.20 - How and why censuses change IV PhD Awards special session
10:00-11:30	I P.5 - New tools for the history of Italy and Italian statistics
11:30-11:45	COFFEE BREAK
11:45-13:15	I S.21 - Population statistics in the light of the socio-demographic and normative changes in the Italian society V S.22 - Statistics, banks and the financial system in Italy III S.23 - Distributions and inequality measures: from Pareto, Gini and Bonferroni to nowadays developments II C.8 - How and why census of agriculture change IV C.9 - Administrative data and sample surveys: from alternative to integration(I)
13:15-14:15	LUNCH
14:15-15:30	I C.10 - Administrative data and sample surveys: from alternative to integration (II) II C.11 - Advances in educational research III C.12 - Methods for the analysis of territorial data IV C.13 - Advances in collecting and visualizing data V C.14 - Employing census data
15:30-16:00	I P.6 - New frontiers in statistical methods
16:30-18:30	(*) RT2 - Economy and society of Emilia-Romagna: the numbers from Unity of Italy to today
18:30	(*) CLOSING CERIMONY

WEDNESDAY, JUNE 8

Hall	9:00- 9:30 Registration
Room I	9:30-10:00 Opening ceremony
	10:00-11:30
SPECIALIZED SESSIONS	
Room I	S. 1 The contribution of Italian statistics to multivariate analysis
Ground floor	(Chair: <i>A. Montanari, Univ. Bologna</i>) Contributions of Italian statisticians to the development of multivariate data analysis (<i>R. Coppi, P. Giordani, Univ. Roma La Sapienza</i>) Italian contributions on some recent research topics in cluster analysis (<i>D. Calò, Univ. Bologna</i>)
Room IV	S. 2 Production and integration of micro data archives and the evolution of models of access for analytical users
Second floor	(Chair: <i>P. Sestito, Banca d'Italia</i> ; Discussant: <i>E. Rettore, Univ. Padova</i>) Micro data archives in educational measurement (<i>P. Falzetti, R. Ricci, Invalsi</i>) Experiences of microdata access at Istat and an overview of potential strategies (<i>L. Franconi, M. Lucarelli, stat</i>) The Bank of Italy's experience with remote processing of business microdata (<i>L. D'Aurizio, G. Bruno, R. Tartaglia-Polcini, Banca d'Italia</i>)
Room III	S. 3 The dynamics of social stratification in Italy
Second floor	(Chair: <i>L. Bernardi, Univ. Padova</i>) Intergenerational persistence of educational attainment in Italy (<i>D. Checchi, Univ. Milano</i>) Long-term variations of the Italian class structure (<i>A. Schizzerotto, Univ. Trento</i>) Family and generation: between old solidarities and new inequalities (<i>A. Rosina, Univ. Cattolica Milano; M. Nadalini, Univ. Torino</i>)
CONTRIBUTED PAPER SESSION	
Room II	C.1 New developments in applied statistics (Chair: <i>D. Piccolo, Univ. Napoli Federico II</i>)
Ground floor	Permutation test approach for the analysis of rating data (<i>R. Arboretti Giancristofaro, Univ. Padova; S. Bonnini, Univ. Ferrara; M. Iannario, Univ. Napoli; F. Solmi Univ. Padova</i>) Inferential optimality and ethics in clinical trials with covariates (<i>M. Zagoraiou, A. Baldi Antognini, Univ. Bologna</i>) An application of statistical matching techniques to produce a new microeconomic dataset on farming households' institutional sector in Italy (<i>E. Pizzoli, Istat; B. Rocchi, Univ. Firenze; G. Sacco, Istat</i>) A maximum entropy approach to the measurement of market risk (<i>M. Bee, Univ. Trento</i>) A distributional approach for measuring wage discrimination and occupational discrimination separately (<i>R. Giaimo, L. Lo Magno, Univ. Palermo</i>)

11:30-12:00 Coffee Break

12:00-13:30**SPECIALIZED SESSIONS**

Room I Ground floor	S. 4 Statistical quality control: Italian contributes and new perspectives <i>(Chair: U. Magagnoli, Univ. Cattolica Milano)</i> Statistical quality control development of construct and methods. The role of Italian statistical Society (A. Zanella, Univ. Catt. Milano; G. Vicario, Polit. Torino) Recent developments in multidimensional analysis for customer satisfaction (L. D'Ambra, Univ. Napoli Federico II; E. Ciavolino, Univ. Salento) Diffusion of technological innovations: dynamic and static equilibria (R. Guseo, Univ. Padova)
Room III Second floor	S. 5 Academic teaching of statistics <i>(Chair: A. Giommi, Univ. Firenze)</i> A look at statistics from 1861 to 1981 (D. Marasini, Univ. Milano Bicocca) Trend and perspectives of university education of statistics (D. Piccolo, Univ. Napoli Federico II) Teaching statistics...today and tomorrow (A. Montanari, Univ. Bologna)
Room IV Second floor	S. 6 The measures of regional disparities in Italy <i>(Chair: A. Giannola, Univ. Napoli Federico II; Discussant: R. Fanfani, Univ. Bologna)</i> Regional disparities in a historical perspective (R. Padovani, Svimez) Territorial agglomeration of industrial sectors in Italy: a long-run analysis (G. Iuzzolino, Banca d'Italia) Regional disparities and policies (G. Viesti, Univ. Bari)
Room V Piazza Scaravilli	I. 1 Session organized by the German Statistical Society <i>(Chair: Y. Okhrin, Univ. Augsburg)</i> Dynamic structured copula models (Y. Okhrin, Univ. Augsburg) Modelling time varying dependence using D-Vine SCAR models (H. Manner Univ. Cologne, C. Almeida, C. Czado, Univ. Munich) Multivariate regime-switching GARCH models (M. Haas; Univ. Munich; J.C. Liu, Univ. Xiamen)

12:00-13:30**CONTRIBUTED PAPER SESSION**

Room II Ground floor	C.2 Modelling demographic phenomena (<i>Chair: A. Angeli, Univ. Bologna</i>) Time series models for legal abortion in Italy (A. Luati, E. Foscolo, A. Lubisco, L. Pasquini, Univ. Bologna) A review of legal and measurement aspects of child labour in Italy (G. Coccia, A. Righi, Istat) Normalized multiple variability indices for statistical rates: studying the global demographic (M. R. Sebastiani, Univ. Roma La Sapienza) A special gen(de)re of statistics: roots, development and methodological prospects of a gender statistics (F. Crippa, P. Farina, F. Mecatti, Univ. Milano Bicocca) The Italians abroad after Unification. The case of emigration in Brazil through unexplored sources of data (A. De Rose, D. Strangio, Univ. Roma La Sapienza)
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13:30-14:30 Lunch

14:30-15:30**PLENARY SESSION****Room V**
Piazza
Scaravilli**P. 1 Official statistics and the building of the Unified Italian State: institutions and methodologies**

(Chair: A. Baffigi, Banca d'Italia; Discussant: G. Favero, Univ. Venezia Ca' Foscari)

S. Patriarca (Fordham University, N.Y.)

“Making Italy: statistical knowledge and the Risorgimento”

M. L. D'Autilia (Istat)

“The “shared statistics”: a reformist project in the liberal age”

15:30-16:00 Coffee Break**16:00-17:30****SPECIALIZED SESSIONS****Room I**
Ground
floor**S. 7 The history of science and of its methods, the evolution of the epistemological statute of statistics**

(Chair: A. Baffigi, Banca d'Italia)

The semantic role of the variability in the development of statistical thought (P. Monari, Univ. Bologna)

The concept of variability in time series analysis (E. Bee Dagum, Univ. Bologna)

Practical reason in a world of variability: reflections on the rise of statistics (T. Porter, UCLA)

Room II
Ground
floor**S. 8 Evolution of statistics in life sciences**

(Chair: R. Miglio, Univ. Bologna, Discussant: M. Marchi, Univ. Firenze)

Statistics and epidemiology (A. Biggeri, Univ. Firenze)

The development of biometry and medical statistics in Italy: a stimulating pathway (A. Decarli, Univ. Milano; E. Marubini, Int. Milano)

Room V
Piazza
Scaravilli**S.9 Statistics for strengthening autonomies: the municipalities viewpoint**

(Chair: G. Bovini, Comune di Bologna; Discussant: R. Malizia, Istat)

The official statistics in the municipalities between services evaluation and territory knowledge (R. Innocenti, Comune di Firenze)

The statistics of the municipality in the federal republic. Suggestions from an experience (M. Trentini, Comune di Brescia; L. Riva, Univ. Brescia)

Room III
Second
floor**S.10 Teaching statistics at school**

(Chair: M. Pillati, Univ. Bologna)

Testing, evaluating and directing through statistics (A. Zuliani, Univ. Roma La Sapienza)

The international and national competitions of statistics (T. Di Battista, Univ. Chieti; M. G. Ottaviani, Univ. Roma La Sapienza)

Teaching statistics in school mathematics: new instructional resources and strategies needed (M. G. Ottaviani, Univ. Roma La Sapienza)

Statistics and mathematics in the high school: a necessary and profound coexistence (M. Codini, ITC Mattei)

The domain “uncertainty” in the standardized Invalsi test and the teaching experiences (O. Orlandoni, ANSAS – Nucleo ER, Invalsi)

Room IV Second floor	I.2 Session organized by the French Statistical Society <i>(Chair: A. Bar-Hen, Univ. Paris Descartes)</i> Clustering functional data using wavelets (<i>J.M. Poggi</i> , Univ. Paris Sud & Univ. Orsay) Influence functions for CART (<i>A. Bar-Hen</i> , S. Gey Univ. Paris Descartes; <i>J. M. Poggi</i> , Univ. Paris Sud & Univ. Orsay) Limit theorems for bifurcating autoregressive processes with missing data and application to cell division data (<i>A. Gégout-Petit</i> , <i>B. de Saporta</i> , Univ. Bordeaux; <i>L. Marsalle</i> , Univ. Lille)
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17:30-18:30

Room V Piazza Scaravilli	PLENARY SESSION P.2 Administrative archives and sample surveys: from alternative to integrated sources <i>(Chair: C. Freguja, Istat)</i>
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A. Desrosières (Ecole des hautes études en sciences sociales, Paris)
“Surveys versus administrative records: reflections on the duality of statistical sources”
L. L. Sabbadini (Istat)
“Integration of administrative data with survey to produce official social statistics in Italy: two case studies”

19:00 Welcome Cocktail

THURSDAY, JUNE 9**9:00- 10:30****SPECIALIZED SESSIONS**

Room V
Piazza
Scaravilli

S.11 The long path of national economic accounts

(Chair: U. Trivellato, Univ. Padova; Discussant: T. Di Fonzo, Univ. Padova)

Genesis of the national income: the discovery of the industrial Italian bounds from census 1936 to the 50's (S. Misiani, Univ. Teramo)

The Italian national accounts: a review of major advances (L. Picozzi, Istat; R. Filosa, Univ. Roma La Sapienza)

Istat extension of national accounting to include social and environmental aspects (M. Civardi, Univ. Milano; C. Costantino, Istat)

Room I
Ground
floor

S. 12 Basic concepts and alternative approaches to statistical inference

(Chair: B.V.Frosini, Univ. Cattolica Milano)

Bayesian statistical inference: an overview (L. Piccinato, Univ. Roma La Sapienza)

Conditionality and sufficiency principles and the permutation testing approach (F. Pesarin, Univ. Padova)

Bayesian and non-Bayesian approaches to statistical inference: a personal view (B. Chiandotto, Univ. Firenze)

Room III
Second
floor

S. 13 Social and health statistics from the Unification of Italy on

(Chair: L. Fabbris, Univ. Padova)

Social aspects on censuses and official surveys in Italy (E. Aureli Cutillo, Univ. Roma La Sapienza)

Quality of life in Italian official surveys (F. Maggino, Univ. Firenze; L.L. Sabbadini, Istat)

Indicators for measuring services' performances and health outcomes (C. Cislagli, Agenas; M. Marchi, Univ. Firenze)

Room IV
Second
floor

I. 3 Session organized by the Spanish Statistical Society**Young, Gifted and Spanish**

(Chair: A. Pewsey, Univ. Extremadura)

Kernel estimation of multivariate density derivatives (J. E. Chacón, Univ. Extremadura; A. Duong, Institut Curie, Paris; M. Wand, Univ. Technology, Sydney)

Hypothesis testing for spatial data (R. M. Crujeiras, Univ. Santiago de Compostela)

9:00- 10:30**CONTRIBUTED PAPER SESSION**

Room II
Ground
floor

C.3 The social-demographic transformations of population in Italy (Chair: L. Pozzi, Univ. Sassari)

The attainment of longevity in Italy: the successes of a process lasting 150 year (G. Caselli, V. Egidi, M. Marsili, Univ. Roma La Sapienza)

Woman and victimization in the Istat Citizens' Safety Surveys: a gender story (A. Federici, D. Squillante, Istat)

The role of women in the new millennium entrepreneurship (S. Rosati, D. De Francesc, D. Filipponi, Istat; R. Fontana Univ. Roma La Sapienza)

Gender emancipa(c)tion (1945-2011) - An Italian history through women's eyes (D. Squillante, A. Federici, Istat)

10:30-11:30**PLENARY SESSION**

Room V
Piazza
Scaravilli

P. 3 PRESIDENT'S INVITED SPEAKER

(Chair: M. Vichi, Univ. Roma La Sapienza)

A. Roncaglia (Univ. Roma La Sapienza)

"Statistics and economics: a strong - and complex – nexus"**11:30-11:45 Coffee break****11:45-13:15****ROUND TABLE**

Room V
Piazza
Scaravilli

R.T. 1 Past, present and future of the statistical evaluation of university teaching in Italy

(Chair: P. Monari, Univ. Bologna)

The statistical evaluation of university teaching in Italy (B. Chiandotto, Univ. Firenze)

Design, implementation and validation of a questionnaire for university teaching evaluation (L. D'Ambra, Univ. Napoli Federico II; M. Carpita Univ. Brescia)

Web survey methods of perceived quality of university teaching (P. Cerchiello, P. Giudici, Univ. Pavia)

Perspectives of the statistical evaluation of the university education process and teaching (L. Biggeri, Univ. Firenze)

11:45-13:15**CONTRIBUTED PAPER SESSION**

Room III
Second
floor

C.4 Official Statistics (Chair: G. Coccia, Istat)

Population censuses between tradition and innovation: Some evidence on the main drivers of change around the world (M. Marcone, L. Mancini, G. Carbonetti, Istat)

Statistical information and mass media: the diffusion of census data in the last 150 years (D. De Francesco, S. Rosati C. Conti, A. M. Tononi, Istat)

Il libro della Patria: the Italian statistical yearbook (B. Fiocco, V. Lo Moro, Istat)

Definitional aspects and classification criteria of occupations in the 150 years of the Italian Republic (F. Gallo, P. Scalisi, Istat)

Room I
Ground
floor

C.5 Modelling social phenomena (Chair: E. Toma, Univ. Bari)

Tourism statistics: main challenges and some proposals (S. De Cantis, M. Ferrante, Univ. Palermo)

Developing a composite indicator of resident well-being: the case of the Romagna area (C. Bernini, A. Guizzardi, G. Angelini, Univ. Bologna)

Non-compensatory aggregation of social indicators: an icon representation (M. Mazziotta, A. Pareto, Istat)

Measuring social inequality in Europe from a multidimensional point of view (M. Mazziotta, A. Pareto, V. Talucci, Istat)

Social network analysis: measures and events with SAS (M. Salusti, V. Pisapia, SAS)

Room IV
Second
floor

C.6 Social and economic developments in historical perspective (Chair: C. Crocetta, Univ Bari)

GDP density disparities in old Europe: Theil decomposition in cross-country historical perspective (E. Vassallo, Univ. Palermo)

Traps and surprises in long time series. Considerations on Italian living standards after Unification (M. Cuffaro, M. Davì, Univ. Palermo)

The evolution of statistic information on agricultural labour force through the agricultural censuses from 1961 to 2010 (L. De Gaetano, Istat)

Room II Ground floor	C.7 Advances in analyzing administrative data (<i>Chair: C. Costantino, Istat</i>) Response burden reduction through the use of administrative data and robust sampling (<i>M. C. Bramati, Univ. Roma La Sapienza</i>) An application of text mining technique for the census of nonprofit institutions (<i>M. Lori, Istat; D. F. Iezzi, Univ. Roma Tor Vergata; F. Lorenzini, M. Nicosia, S. Stoppiello, Istat</i>) Evaluation the labour policy through compulsory communications: the case of Labor Lab (<i>G. De Blasio, Italia Lavoro; M. Lombardi, E. Todini, Istat</i>) Turning the compulsory communication data into a statistical system: preliminary issues to set up an editing strategy (<i>G. De Blasio, Italia Lavoro; C. Baldi, G. Di Bella, A. Lucarelli, R. Rizzi, Istat</i>) Local welfare and the partnership between public and nonprofit institutions (<i>S. Stoppiello, F. Lorenzini, M. Lori, Istat</i>)
13:15-14:15 Lunch and Poster	
14:15-15:45	
Room V Piazza Scaravilli	SPECIALIZED SESSIONS S. 14 The Janus-faced Gini: science and politics in interwar Italy (<i>Chair: A. Gigliobianco, Banca d'Italia; Discussant: D. Cocchi, Univ. Bologna</i>) Were fascist statistical publications lagging behind international standards in coverage? (<i>V. Negri Zamagni, Univ. Bologna</i>) The Italianization of statistics: interpreting Gini's critique of inference (<i>J.G Prévost, Université du Québec</i>) The changed meaning of "migrant" during the fascist regime and the difficult comparability of the official statistics of Italian foreign migration over time (<i>S. Rinauro, Univ. Milano</i>)
Room III Second floor	S. 15 Evaluation of the quality of learning: analysis and methods (<i>Chair: S. Mignani, Univ. Bologna</i>) The development of educational assessment in Italy by Invalsi (<i>R. Ricci, Invalsi</i>) The development of educational assessment in the Netherlands by Cito (<i>F. Kleintjes, Dutch National Institute of Educational Testing</i>) The Unity of Italy from the point of view of student performances: evidences from PISA 2009 (<i>M. Matteucci, M. Pillati, Univ. Bologna</i>) The evaluation of the schools: an experiment for Italy (<i>A. Gavosto, Fondazione "Giovanni Agnelli"</i>)
Room II Ground floor	S. 16 New frontiers in the design of experiment (<i>Chair: L. Salmaso, Univ. Padova</i>) Robust design and optimization for response surfaces in the multiple response case: developments and critical aspects (<i>R. Berni, Univ. Firenze</i>) Computational aspects in orthogonal fractional factorial design generation (<i>R. Fontana, Polit. Torino</i>) The evolutionary design of experiments in high dimensional settings (<i>D. Slanzi, Univ. Venezia</i>) Geometrical product specification and verification: Kriging-based sequential inspection plans (<i>G. Vicario, Polit. Torino</i>)

Room IV
Second floor

S. 17 The great transformations of the society through gender and generational relationships: the birth of the women's issue and the women's role
(Chair: S. Salvini, Univ. Firenze)

Women in modern Italy. A long-term perspective (M. Casalini, A. Scattigno, Univ. Firenze)
The stalled revolution of Italian women, i.e. demographic behaviour between gender and generation (L. Mencarini, Univ. Torino)
Gender and social relationships: advancing knowledge for policy making (A. Vikat, United Nations Economic Commission for Europe)

Room I
Ground floor

I.4 Session organized by the Royal Statistical Society
Recent advances in Bayesian statistics: MCMC and beyond
(Chair: G. Baio, Univ. College London, Univ. Milano Bicocca)

Bayesian inference in latent variable models and applications (M. Filippone, Univ. College London)
Assessing the impact of network data on the spatio-temporal spread of infectious diseases using INLA (B. Schroedle, Univ. Zurich)
Bayesian profile regression and variable selection: an application to the study of lung cancer in a genome-wide association study (M. Papathomas, J. Molitor, S. Richardson, C. Hoggart, P. Vineis, Imperial College London)

15:45-16:00 Coffee Break

16:00-17:00

PLENARY SESSION

Room V
Piazza
Scaravilli

P.4 The European monetary Union and the statistics' role.
(Chair: R. Malizia, Istat)

E. Giovannini (Istat)
“Official statistics for European monetary and fiscal policies: pros and cons from a National Statistical Office's perspective”
R. De Bonis (Banca D'Italia)
“The Eurosystem statistics: where we are and where do we go from here?”

17:00-18:00

ACTIVITIES AND PROJECTS OF THE ITALIAN STATISTICAL SOCIETY

Room I
Ground floor

(Chair: R. Rocci, Univ. Roma Tor Vergata)

VRISStat: measuring the Italian statisticians' research activities (M. Carpita, Univ. Brescia)
The prominent Italian statisticians posters and the biographical dictionary of the Italian statisticians (C. Crocetta, Univ. Bari)
The open SIS website (D. Frongia, E. Sanna, Istat)
Promoting statistical literacy (G. Bocuzzo, Univ. Padova; C. Crocetta, Univ. Bari; A. Giommi, Univ. Firenze; M. G. Grassia, Univ. Napoli Federico II; S. Iezzi, Univ. Roma Tor Vergata; P. Mariani, Univ. Milano Bicocca; E. Zavarrone, Iulm; F. Crescenzi, F. Gallo, V. Lo Moro, Istat; M. G. Mereu, Isfol)

Room I

18:00-19:00 Assemblea generale SIS

**Circolo
degli
Ufficiali***

20:30 – Gala Dinner

*Circolo degli Ufficiali, Via Marsala, 12, Bologna

FRIDAY, JUNE 10**8:30- 10:00**

SPECIALIZED SESSIONS	
Room III Second floor	S. 18 The evolution of risk and quality measures: the role of statistics <i>(Chair: P. Giudici, Univ. Pavia)</i> Use of statistical tools in banking supervision: the role of the Basel Committee regulation <i>(M.Bignami, Banca d'Italia)</i> Bayesian extreme value models for capital at risk estimation (<i>S. Figini, Univ. Pavia</i>) Robust macroeconomic credit stress testing (<i>T. Bellini, Univ. Parma</i>)
Room I Ground floor	S. 19 Models for longitudinal data <i>(Chair: C. Rampichini, Univ. Firenze; Discussant: F. Bartolucci, Univ. Perugia)</i> A review of latent variable models for categorical longitudinal data (<i>S. Cagnone, Univ. Bologna; I. Moustaki, London School of Economics</i>) Local sensitivity of shared parameter models to nonignorability of dropout (<i>M. Alföldi, Univ. Roma La Sapienza, D. Rizopoulos, Univ.Rotterdam, S. Viviani, Univ. Roma La Sapienza</i>) Specification issues in latent growth models with multiple indicators (<i>L. Grilli, Univ. Firenze</i>)
Room V Piazza Scaravilli	S. 20 How and why censuses change <i>(Chair: M. Fortini, Istat)</i> Innovative approaches to census-taking: overview of the 2011 census round in Europe (<i>P. Valente, UNECE</i>) Results and lessons of the recasting of the French census (<i>F. Clanché, INSEE</i>) New strategies for the next Italian census: towards the use of a multiple-time point approach (<i>A. Mancini, Istat</i>)
Room IV Second floor	PhD awards special session <i>(Chair R. Rocci, Univ. Roma Tor Vergata)</i>

10:00-11:30

PLENARY SESSION	
Room I Ground floor	P. 5 New tools for the history of Italy and Italian statistics
	<i>(Chair: U. Trivellato, Univ. Padova)</i>
	<i>O. Gargano, S. Cruciani (Istat)</i>
	“The historical-statistical information system on administrative-territorial units of Italy since 1861 (SISTAT)”
	<i>A. Micali, S. De Francisci (Istat)</i>
	“Istat time series compendium and data warehouse”
	<i>A. Baffigi (Banca d’Italia)</i>
	“The new Italy's historical national accounts (1861-2009)”
	<i>M. L. d’Autilia (Istat)</i>
	“Tools of the history of statistics”

11:30-11:45 Coffee break

11:45-13:15**SPECIALIZED SESSIONS****S. 21 Population statistics in the light of the socio-demographic and normative changes in the Italian society**

(Chair: F. Ongaro, Univ. Padova; Discussant M. Castiglioni, Univ. Padova)

Population statistics in the changing context: data sources and demographic behaviors since the Italian unification (R. Rettaroli, Univ. Bologna; R. Impicciatore, Univ. Milano)
 Changing Italian families and population statistics: what we know and what we miss (M. Albertini, Univ. Bologna)

The long way of Italian migration statistics from mass emigration to mass immigration (C. Bonifazi, CNR-IRPPS)

Room I
Ground floor**S. 22 Statistics, banks and the financial system in Italy**

(Chair: R. De Bonis, Banca d'Italia ; Discussant : M. De Cecco, Scuola Normale Superiore Pisa)

The Italian financial system between 1861 and the recent past: a statistic reading (G. Della Torre, Univ. Siena)

The stock exchange in Italy: a long term perspective (L. Enriques, M. Gentile, G. Siciliano, Consob)

Bank deposits and loans in the Italian regions: a long term view (A. Giannola, Univ. Napoli Federico II, A. Lopez II Univ. Napoli, A. Zazzaro, Univ. Politecnica delle Marche)

Room V
Piazza
Scaravilli**S. 23 Distributions and inequality measures: from Pareto, Gini and Bonferroni to nowadays developments**

(Chair: A. Lemmi, Univ. di Siena; Discussant: R. Zelli, Univ. Roma La Sapienza)

1 percent vs. 1 cent – relative vs. absolute measurement of income inequality (A. Brandolini, Banca d'Italia)

Measuring multidimensional inequality: methods and issues in empirical analysis (D. Aristei, B. Bracalente, Univ. Perugia)

On a new inequality curve based on the ratios between lower and upper arithmetic means (M. Zenga, Univ. Milano Bicocca)

Room III
Second floor**11:45-13:15****CONTRIBUTED PAPER SESSION****C.8 How and why census of agriculture change** (Chair: M. Fortini, Istat)**Room II**
Ground floor

Water use for irrigation purpose in agriculture: the integration of a modelling approach and the Sixth agriculture census survey (G. Bellini, F. Lupia, F. De Santis, Istat)

The developments for the quality evaluation of the Italian Agricultural censuses (M. Mazziotta, A. Bernardini, R. Romeo, L. Soriani, Istat)

Sixth general Agricultural census: information needs on rural development and pressures generated by agricultural activity on the environment (G. Bellini, P. Giordano, E. Di Cristofaro, Istat)

The sixth Agriculture census 2010: from survey to provisional data (G. Bellini, E. Di Cristofaro, P. Giordano, M.A. Liguori, M.G. Magliocchi, P. Miceli, Istat)

Outlier detection via compositional forward search: application to the preliminary data of the 2011 Italian Agricultural census (S. Toti, F. Palombi, R. Filippini, Istat)

Room IV Second floor	C.9 Administrative data and sample surveys: from alternative to integration (I) (<i>Chair: F. Crescenzi, Istat</i>)
	The use of administrative data for statistical purpose: the case of structural business farm statistics (<i>A. Cirianni, L. Esposito, Istat</i>)
	New technologies and statistics: partners for environmental monitoring and city sensing (<i>G. Borga, R. Camporese, N. Iandelli, A. Ragnoli, Istat</i>)
	Linking administrative tax records and survey expenditure data at the local level (<i>M. Mussini, L. Crosato, P. Mariani, B. Zavanella, Istat</i>)
	Fifty years of italian sampling and economic cycle history witnessed by the business confidence survey on manufacturing sector (<i>B. M. Martelli, G. Bruno, Istat; P.M. Chiodini, Univ. Milano Bicocca; G. Manzi, Univ. Milano; F. Verrecchia, Istat</i>)
	Some aspects of socio demographic development in Tuscany from 1951 to 2001 according censuses data (<i>M. Maiozzi, M. Pannaccione, L. Porciani, A. Valentini, Istat</i>)
13:15-14:15 Lunch	
14:15-15:30	
CONTRIBUTED PAPER SESSION	
Room I Ground floor	C.10 Administrative data and sample surveys: from alternative to integration (II) (<i>Chair: P. Giudici, Univ. Pavia</i>)
	A multidimensional analysis to compare the AGEA source and the 6th Agricultural census data: a case study (<i>R. Filippini, R.M. Lipsi, G. Ruocco, M.A. Salvatore, V. Tomeo, S. Toti, Istat</i>)
	Assessing the effectiveness of administrative registers in managing under-coverage errors in a population census: evidence from the 2009 Italian census pilot survey (<i>L. Mancini, M. Fortini, L. Marcone, F. Borrelli, A. Ronconi, Istat</i>)
	Building a longitudinal database multi source: new challenges and opportunities (<i>C. Castagnaro, A. Guarneri, S. Prati, F. Rinesi, Istat</i>)
	Record linkage between italian administrative sources and sample surveys - how much information we can get? Three case studies (<i>F. Lariccia, E. Mussino, A. Pinnelli Univ. Roma La Sapienza, S. Prati, F. Rinesi Istat, S. Strozza, Univ. Napoli</i>)
Room II Ground floor	C.11 Advances in educational research (<i>Chair: L. Grilli, Univ. Firenze</i>)
	On reading speed and accuracy, to contrast dyslexic and normal children readers in Italy (<i>I. Morlini, G. Stella, M. Scorza, Univ. Modena e Reggio Emilia</i>)
	A family of indexes for teaching evaluation. Experiences in Italian universities (<i>D. Marasini, P. Quatto, Univ. Milano Bicocca</i>)
	Evaluating the effects of university grants using regression discontinuity designs (<i>C. Rampichini, F. Mealli, Univ. Firenze</i>)
	A propensity score matching method to study the achievement of students in upper secondary schools (<i>G. Roli, L. Stracqualursi, Univ. Bologna</i>)
	How to increase statistical literacy in primary schools: the proposal of Istat in Tuscany (<i>S. Da Valle, A. Valentini, Istat</i>)
Room III Second floor	C.12 Methods for the analysis of territorial data (<i>Chair: G. Pellegrini, Univ. Roma La Sapienza</i>)
	Bayesian spatial autoregressive panel data models: an application on ISTAT value added provincial dataset using GNU octave and parallel computing (<i>R. Corradini, Istat</i>)
	Relative poverty lines for Italian regions (<i>A. Carra, E. Longoni, Istat</i>)
	Changes in the geographical distribution of inhabitants in the municipalities of Tuscany during the last 150 years: some empirical evidences (<i>C. Tessitore, G. Sanna, L. Faustini, A. Valentini, Istat</i>)
	The “administrative” territory from the Unity of Italy to the present. An overview through the

history of municipalities and provinces (*O. Gargano, T. Clary, Istat*)
 Regional differences in infant mortality from the nineteenth to the twenty first century (*G. De Candia, Istat*)

Room IV
 Second floor

C.13 Advances in collecting and visualizing data (*Chair: G. Grassia, Univ. Napoli Federico II*)
 New techniques to collect and process agricultural (*C.L. Sermoneta, R. Roccaldo, Istat*)
 Statistical issues in the life sciences industry: definition, data sources and industrial classifications (*S. Lombardi, V. Tomeo, Istat*)
 Collaboration between Istat and INAIL to improve statistics availability within the occupational information system (*S. Rosati, P. Scalisi, Istat; A. Brusco, INAIL*)
 The nonprofit sector in Italy: scope and remit (*M. Nicosia, S. Della Queva, F. Lorenzini, Istat; A. Bassi Univ. Bologna*)
 Visualization and storytelling of statistical data (*S. De Francisci, M. Cammarota, L. Cavalli, A. Ferrara, M. Ferrara, V. de Martino, A. Pitrone, Istat*)

Room V
 Piazza
 Scaravilli

C.14 Employing census data (*Chair: D. Cocchi, Univ. Bologna*)
 Chinese entrepreneurship in context: sector specialization, geographical agglomeration and their effects on Italian local production systems (*S. Lombardi, S. Della Queva, D. Fardelli, F. Lorenzini, F. Sforzi, Istat*)
 The alien character of local economies: micro-entrepreneurship inside the origin-destination matrix (*F. Lorenzini, F. Sforzi, F. Verrecchia, Istat*)
 Foreign entrepreneurship: a new pillar of the national entrepreneurial vocation vs the latest shaky employment (*S. Della Queva, F. Verrecchia, Istat; P. Grossi; G.C. Blangiardo, Univ. Milano Bicocca*)
 Social media channels as drivers for the 6th agricultural census change (*M. Greco, C. Conti, L. De Gaetano, D. De Francesco, D. Fusco, S. Lombardi, V. Moretti, F. Mortara, G. Mottura, Istat*)
 Spatial analysis in agricultural census data management: the distance count (*D. Fardelli, D. de Vincenzo, Istat*)

15:30-16:00

PLENARY SESSION

Room I
 Ground floor

P.6 New frontiers in statistical methods
(Chair: E. Bee Dagum, Univ. Bologna)

Howell Tong (London School of Economics)
“Unbinding the MLE foot”

16:30-18:30

ROUND TABLE

**Sala
 Farnese
 Comune di
 Bologna**

R.T 2 Economy and society of Emilia-Romagna: the numbers from unity of Italy to today
(Chair: C. Brasili, Univ. Bologna, Moderator: M. Ricci, ISTAT)

M. Diazzi (Direttore Assessorato attività produttive Regione Emilia-Romagna)
 L. Broccoli (DG organizzazione, personale, sistemi informativi e telematica – Regione Emilia-Romagna)
 U. Girardi (Segretario generale UnionCamere Emilia-Romagna)
 R. Marchetti (Direttore della sede di Bologna della Banca d’Italia)
 V. Mazzotti (Direttore Generale Assessorato Agricoltura, Regione Emilia-Romagna)
 Z. Rotondi (Responsabile Ufficio Studi Italia di UniCredit)
 V. Tassinari (Presidente Coop Italia)

18:30 Closing ceremony

SIS 2011 locations

(Round Table and Gala dinner)

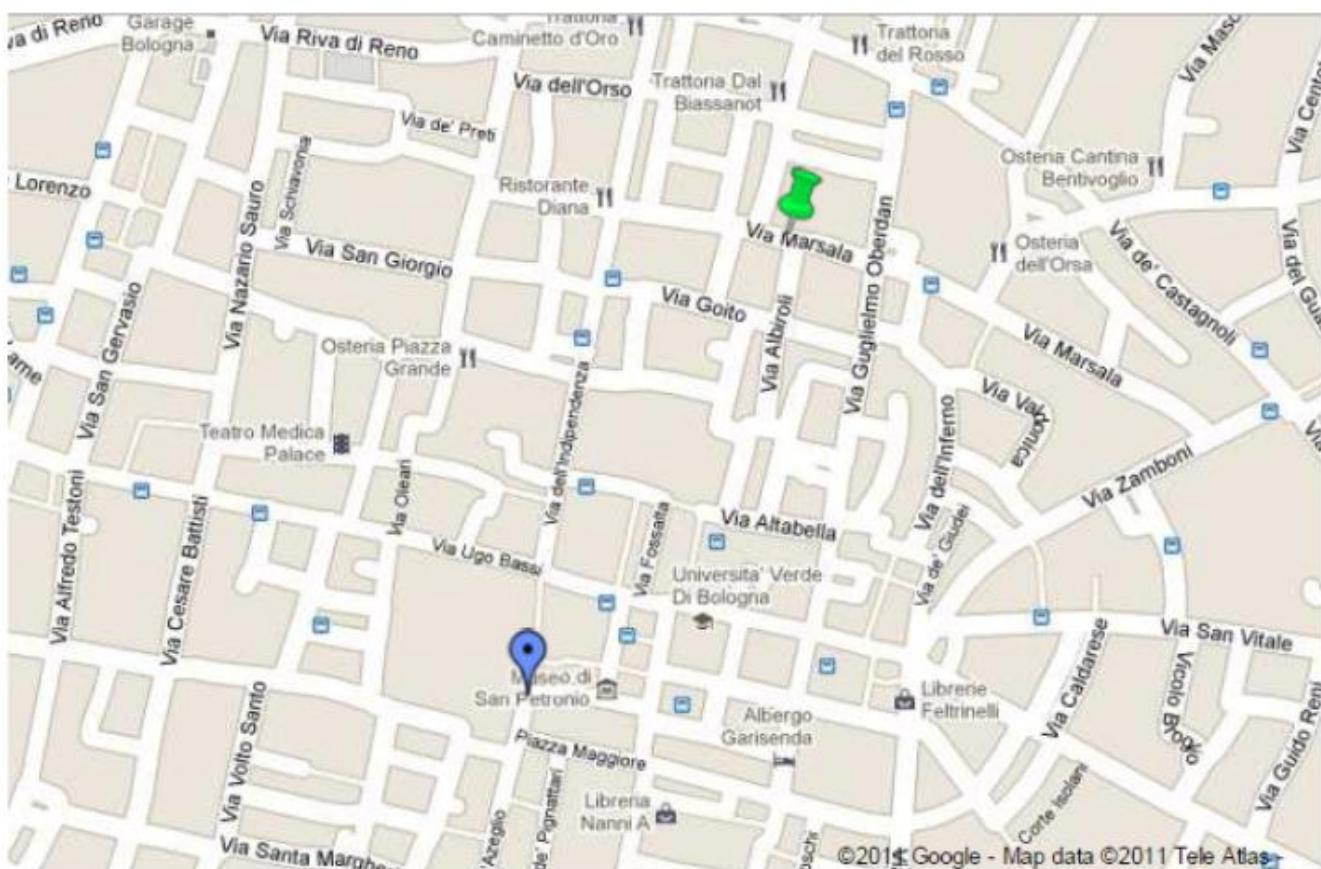
ROUND TABLE

Sala Farnese

Palazzo d'Accursio,
Piazza Maggiore, 6
40124 Bologna

GALA DINNER

Circolo degli Ufficiali
Via Marsala, 12
40126 Bologna



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via della letteratura della scienza e dell'arte

