

CLADAG 2013

Date: Wednesday, 18/Sep/2013

9:00am **Opening Ceremony**
- Location: [Aula Convegni](#)
9:30am Opening Ceremony also available in streaming in Aula N

9:30am **Plenary 1: Mia Hubert: "Depth-Based Classification of Multivariate Functional Data"**
- Location: [Aula Convegni](#)
10:20am PLEN-1 also available in streaming in Aula N
Chair: **Nicola Torelli**

10:30am **POSTER: Poster Session Presentations**
- Location: [Aula Convegni](#)
11:00am Organizers: **Angelo Mineo, Luca Tardella**

Presentations

A class of ordinal data models in R
Maria Iannario, Domenico Piccolo

Estimation of sparse generalized linear models: the dglars package
Luigi Augugliaro, Angelo Mineo

Extending the JM libraRy
Sara Viviani

BBRecap fo Bayesian behavioural capture-recapture modeling
Danilo Alunni Fegatelli, Luca Tardella

The R package ThreeWay
Paolo Giordani, Henk A.L. Kiers, Maria Antonietta Del Ferraro

Beyond tandem analysis: joint dimension reduction and clustering in R
Angelos Markos, Alfonso Iodice D'Enza, Michel Van de Velden

11:00am **Coffee Break** **POSTER-DISC: Poster Session Discussion**
- Location: [Aula Convegni](#)
11:50am

11:50am **COORD-1: Analysis of data from complex sampling designs**
- Location: [Aula Convegni](#)
12:50pm Chair: **Pier Francesco Perri**

Presentations

Asymptotics in survey sampling for high entropy sampling designs
Pier Luigi Conti, Daniela Marella

COORD-2: Measurement of student achievement
Location: [Aula N](#)
Chair: **Leonardo Grilli**

Presentations

A multidimensional IRT approach to analyze learning achievement of Italian students
Mariagiulia Matteucci, Stefania Mignani, Roberto Ricci

Plug-in Bootstrap for Sample Survey Data
Fulvia Mecatti, Giovanna Ranalli

Socioeconomic sorting and test scores: an empirical analysis in the Italian schools
Tommaso Agasisti, Patrizia Falzetti

Joint estimation of poverty and inequality parameters in small areas
Enrico Fabrizi, Maria Ferrante, Carlo Trivisano

The role of student standardized tests in the governance of the education system
Paolo Sestito

12:50pm **Lunch**
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1:50pm

1:50pm **SPEC-01: Modeling unobserved heterogeneity in economics**
- Location: [Aula Convegni](#)
2:50pm Chair: **Roberto Zelli**

Presentations

SPEC-02: Systemic risk tomography - SYRTO
Location: [Aula N](#)
Chair: **Roberto Savona**

Presentations

Testing for endogeneity and country heterogeneity
Giovanni Trovato

Bayesian Stochastic Correlation Models
Roberto Casarin¹, Marco Tronzano, Domenico Sartore

Macroeconomic Policy in DSGE and Agent-Based Models
Giorgio Fagiolo, Andrea Roventini

Ensemble methods for risk corporate estimation
Silvia Figini, Marika Vezzoli

Testing for time-invariant unobserved heterogeneity in generalized linear models for panel data
Francesco Bartolucci, Federico Belotti, Franco Peracchi

The forecasting side of Sovereign risk: a generalized cross entropy approach
Enrico Ciavolino, Roberto Savona

2:50pm -
3:05pm
SPEC-01-D: Discussion
Location: [Aula Convegni](#)
Chair: Marco Alfo'

SPEC-02-D: Discussion
Location: [Aula N](#)
Chair: Roberto Savona

3:10pm -
4:25pm
CONTR-01: Cluster analysis and fuzzy methods
Location: [Aula Convegni](#)
Chair: Alfonso Iodice D'Enza

CONTR-02: Regression models
Location: [Aula N](#)
Chair: Pier Alda Ferrari

Presentations

A cluster-based specification of gender attitudes and their influence on the time allocation of Italian couples
Maria Gabriella Campolo, Antonino Di Pino¹, Ester Lucia Rizzi

Presentations

An overview on multiple regression models based on permutation tests
Massimiliano Giacalone, Angela Alibrandi

Clustering the Four Gospels in the Greek, Latin, Gothic and Old Church Slavonic Translations
Gabriele Cantaluppi, Passarotti Marco

Evaluating the selection effect in labour markets with a low female participation
Rosalia Castellano, Gennaro Punzo, Antonella Rocca

Comparing fuzzy and multidimensional methods to evaluate well being at sub-national level
Maria Adele Milioli, Lara Berzieri, Sergio Zani

Managing risk of Churn through web data mining models in global business
Valerio Veglio

Use of relevant principal components to define a simplified multivariate test procedure of optimal clustering
Marta Nai Ruscone, Giuseppe Boari

Self-censored Categorical Responses. A device for recovering latent behaviors
Giulio D'Epifanio

4:25pm -
4:55pm
Coffee Break

4:55pm -
5:55pm
SPEC-03: Seismic risk
Location: [Aula Convegni](#)
Chair: Marcello Chiodi

SPEC-04: Regression trees
Location: [Aula N](#)
Chair: Francesco Mola

Presentations

Classification of composite seismogenic sources through probabilistic score indices
Renata Rotondi

Presentations

On the Use of Recursive Partitioning in Casual Inference: A Proposal
Claudio Conversano, Massimo Cannas, Francesco Mola

Empirical testing of probabilistic seismic hazard models
Dario Albarello

Visuisation of Classification Trees: An Evaluative Comparison
Adalbert Wilhelm

Real-time earthquake hazard estimate for low probability events
Rodolfo Console

Regression Trees for change point analysis: methods, applications and recent developments
Carmela Cappelli

5:55pm -
6:10pm
SPEC-03-D: Discussion
Location: [Aula Convegni](#)
Chair: Marcello Chiodi

SPEC-04-D: Discussion
Location: [Aula N](#)
Chair: Salvatore Ingrassia

6:15pm -
7:45pm
CLADAG Assembly and Board of Directors elections
Location: [Aula Convegni](#)

Date: Thursday, 19/Sep/2013

8:30am - 9:30am	<p>COORD-3: Young SIS Session</p> <p>Location: Aula Convegni Chair: Francesca Ieva</p> <p><i>Presentations</i></p> <p>Tourism market segmentation with imprecise information Marta Disegna, Pierpaolo D'Urso, Riccardo Massari</p>	<p>COORD-4: CUB models. Recent advances in methods and applications</p> <p>Location: Aula N Chair: Domenico Piccolo</p> <p><i>Presentations</i></p> <p>CUB model to validate FACIT TS-PS measurement instrument Silvia Salini, Chiara Guglielmetti, Federica Cugnata</p>	<p>COORD-5: Statistical strategies for assessing and measuring differential behavioural patterns: a new outlook</p> <p>Location: Aula O Chair: Franca Crippa</p> <p><i>Presentations</i></p> <p>Causal inference in gender discrimination in china: nutrition, health, care Silvia Caligaris, Fulvia Mecatti, Patrizia Farina</p>
	<p>A BLU predictor for spatially dependent functional data of a Hilbert space Alessandra Menafoglio, Matilde Dalla Rosa, Piercesare Secchi</p>	<p>A proposal for the multidimensional extension of CUB models Federico Andreis, Pier Alda Ferrari</p>	<p>Financial literacy and undergraduates Paola Bongini, Paolo Trivellato, Mariangela Zenga</p>
	<p>New flexible probability distributions for ranking data Salvatore Fasola, Mariangela Sciandra</p>	<p>Nonlinear CUB models Marica Manisera, Paola Zuccolotto</p>	<p>Keeping the pace with higher education. A fuzzy states gender study Franca Crippa, Marcella Mazzoleni, Mariangela Zenga</p>
	<p>Mixture models for ranked data classification Cristina Mollica, Luca Tardella</p>	<p>CUB models with a varying uncertainty Anna Gottard</p>	<p>New perspectives for the RDI index in social research fields Emanuela Raffinetti, Pier Alda Ferrari</p>
9:35am - 10:15am	<p>SemiPlenary 1: Paolo Giudici: "Financial Risk Data Analysis: Problems and Solutions" Location: Aula Convegni Chair: Francesco Palumbo</p>		<p>SemiPlenary 2: Stéphane Robin: "Deciphering and Modelling Heterogeneity in Interaction Networks" Location: Aula N Chair: Cinzia Viroli</p>
10:15am - 10:40am	<p>Coffee Break</p>		
10:40am - 11:40am	<p>COORD-6: Robust methods for quantitative and qualitative data</p> <p>Location: Aula Convegni Chair: Anna Clara Monti</p> <p><i>Presentations</i></p> <p>Issues in robust clustering Marco Riani, Andrea Cerioli, Gianluca Morelli</p>	<p>COORD-7: Model based clustering</p> <p>Location: Aula N Chair: Antonio Punzo</p> <p><i>Presentations</i></p> <p>Outlier detection via contaminated mixture distributions Antonio Punzo, Paul David McNicholas, Katherine Morris, Ryan Browne</p>	<p>COORD-8: Recent advances in cluster analysis</p> <p>Location: Aula O Chair: Maurizio Vichi</p> <p><i>Presentations</i></p> <p>A biclustering approach for discrete outcomes Francesca Martella, Marco Alfò</p>
	<p>Robust estimation of regime switching models Luigi Grossi, Fany Nan</p>	<p>Mixtures of generalized hyperbolic factor analyzers Cristina Tortora, Paul D. McNicholas, Ryan P. Browne</p>	<p>A new fuzzy clustering algorithm with entropy regularization Maria Brigida Ferraro, Paolo Giordani</p>
	<p>Robustness issues for a class of models for ordinal data Maria Iannario</p>	<p>On the implementation of a parallel algorithm for variable selection in model-based clustering Luca Scrucca</p>	<p>A general model for INDCLUS with external information Laura Bocci, Donatella Vicari</p>
11:40am - 1:00pm	<p>CONTR-03: Classification and data analysis (1) Location: Aula Convegni Chair: Andrea Pastore</p> <p><i>Presentations</i></p>	<p>CONTR-04: Classification and data analysis (2) Location: Aula N Chair: Angelo Mineo</p> <p><i>Presentations</i></p>	<p>CONTR-05: Classification and Data Analysis (3) Location: Aula O Chair: Matilde Bini</p> <p><i>Presentations</i></p>

	SuRF: subspace ridge finder Marco Perone Pacifico	A copula-based approach to discover inter-cluster dependence relationships F. Marta L. Di Lascio, Simone Giannerini	Consensus community detection: a nonmetric MDS approach Carlo Drago, Antonio Balzanella
	A generalised Silhouette-width measure Andrea Pastore, Stefano F. Tonellato	Clustering financial time series by measures of tail dependence Fabrizio Durante, Roberta Pappadà, Nicola Torelli	Hierarchical market structure of Euro area regime dynamics José G. Dias, Sofia B. Ramos
	Cluster-weighted models for multivariate response and extensions Utkarsh J Dang, Salvatore Ingrassia, Paul D McNicholas, Ryan Browne	Finding number of groups using a penalized internal cluster quality index Marica Manisera, Marika Vezzoli	Extending the forward search to the combination of multiple classifiers : A proposal Sabina Mazza
	Nonhierarchical asymmetric cluster analysis Akinori Okada, Satoru Yokoyama	The determinants of Italian students' reading scores: a Quantile Regression analysis Francesca Giambona, Mariano Porcu	Multidimensional scaling with incomplete distance matrices: an insight into the problem Nadia Solaro
	Parsimonious linear gaussian cluster-weighted models Salvatore Ingrassia, Antonio Punzo	Some distance proposals for cluster analysis in presence of ordinal variables Giuseppe Boari, Gabriele Cantaluppi, Angelo Zanella	Unsupervised classification through quantile regression Cristina Davino, Domenico Vistocco
1:00pm - 2:00pm	Lunch		
2:00pm - 3:15pm	CONTR-06: Structural equation and random effects models Location: Aula Convegni Chair: Luigi Grossi <i>Presentations</i>	CONTR-07: Time series and functional data Location: Aula N Chair: Paola Vicard <i>Presentations</i>	CONTR-08: Machine learning and graphical models Location: Aula O Chair: Paola Cerchiello <i>Presentations</i>
	Multilevel Approach in Meta-analysis of Pre-election Poll Accuracy Venera Tomaselli, Rosario D'Agata	Analyzing university students' pathways using multi-state models Isabella Sulis, Francesca Giambona, Nicola Tedesco	A comparison between two tools for data stream summarization Antonio Balzanella, Lidia Rivoli, Elvira Romano
	A Comparison between SEM and Rasch model: the polytomous case Silvia Golia, Anna Simonetto	Markov switching models for high-frequency time series: flapper skate's depth profile as a case study Luigi Spezia, Cecilia Pinto	Credit risk measurement and ethical issue: some evidences from the italian banks Riccardo Bramante, Marta Nai Ruscone ¹ , Pasquale Spani
	Groups heterogeneity and sectors concentration: a structural equation modeling for micro level analysis of firms' performance Matilde Bini, Alessandro Zeli, Leopoldo Nascia	On depth functions for directional data Giuseppe Pandolfo, Giovanni C. Porzio	Formal diagnostics for graph clustering: The role of graph automorphisms Andreas Geyer-Schulz, Fabian Ball
	Internal effectiveness of educational offer and students' satisfaction: a SEM approach Lucio Masserini, Matilde Bini	The interval-wise control of the family-wise error rate for testing functional data Alessia Pini, Simone Vantini	Hierarchical graphical models and Item Response Theory Vincenzina Vitale
	Partial possibilistic regression path modeling Rosaria Romano, Francesco Palumbo	Productivity transition probabilities: A micro level data analysis for Italian manufacturing sectors (1998-2007) Margherita Velucchi, Roberto Nardecchia, Roberto Sanzo, Alessandro Zeli	Visual model representation and selection for classification and regression trees Carmela Iorio, Massimo Aria, Antonio D'Ambrosio

3:15pm - 3:55pm	<p>SPEC-05: Clustering issues in large quantitative and qualitative datasets Location: Aula Convegni Chair: Andrea Cerioli</p> <p><i>Presentations</i></p> <p>New proposals based on trimming and restrictions for clustering Agustín Mayo-Iscar, Luis Angel Garcia-Escudero, Alfonso Gordaliza, Carlos Matran</p>	<p>SPEC-06: Dealing with measurement error in surveys Location: Aula N Chair: Fulvia Mecatti</p> <p><i>Presentations</i></p> <p>Measurement errors and object-oriented Bayesian networks: an application to SHIW data Daniela Marella, Paola Vicard</p>	<p>SPEC-07: Evaluation problems and advances statistical approaches Location: Aula O Chair: Stefano Campostrini</p> <p><i>Presentations</i></p> <p>Identification of the distribution of the causal effect of an intervention using a generalised factor model Enrico Rettore, Erich Battistin, Carlos Lamarche</p>
	<p>Low dimensional tracking of association structures in categorical data Alfonso Iodice D'Enza, Angelos Markos</p>	<p>Interviewers, co-operation and data accuracy: is there a link? Andrea Neri, Giuseppe Ilardi</p>	<p>Detecting differences between primary schools in mathematics and reading achievement by using schools added-value measures of performance Mariano Porcu, Isabella Sulis</p>
	<p>Robust clustering of EU banking data Domenico Perrotta, Andrea Pagano, Francesca Torti, Jessica Cariboni</p>	<p>Gini index estimation under randomized response surveys Pier Francesco Perri, Lucio Barabesi, Giancarlo Diana</p>	<p>Predicting students' academic performance: a challenging issue in statistical modelling Leonardo Grilli, Carla Rampichini, Roberta Varriale</p>
3:55pm - 4:10pm	<p>SPEC-05-D: Discussion Location: Aula Convegni Chair: Andrea Cerioli</p>	<p>SPEC-06-D: Discussion Location: Aula N Chair: Maria Giovanna Ranalli</p>	<p>SPEC-07-D: Discussion Location: Aula O Chair: Massimo Attanasio</p>
4:10pm - 4:35pm	Coffee Break		
4:35pm - 5:50pm	<p>CONTR-09: Data analysis in economics and social sciences Location: Aula Convegni Chair: Mariano Porcu</p> <p><i>Presentations</i></p> <p>International Relations Based on the Voting Behavior in General Assembly Hiroshi Inoue</p>	<p>CONTR-10: Classification and data analysis (4) Location: Aula N Chair: Stefano Federico Tonellato</p> <p><i>Presentations</i></p> <p>A statistical based H index for the evaluation of e-markets Paola Cerchiello, Paolo Giudici</p>	<p>CONTR-11: Classification models Location: Aula O</p> <p>Chair: Paul David McNicholas,</p> <p><i>Presentations</i></p> <p>Bayesian nonparametric estimation of global disclosure risk Annalisa Cerquetti</p>
	<p>Mobility measures for the dairy farms in Lombardy Camilla Ferretti, Piero Ganugi, Renato Pieri</p>	<p>Cluster analysis of three-way atmospheric data Isabella Morlini, Stefano Orlandini</p>	<p>Influence diagnostics for generalized linear mixed models: a gradient-like statistic Marco Enea, Antonella Plaia</p>
	<p>Self-selection and direct estimation of across-regime correlation parameter Giorgio Calzolari, Antonino Di Pino</p>	<p>Data driven EM constraints for mixtures of factor analyzers Francesca Greselin, Salvatore Ingrassia</p>	<p>Mixture models for ordinal data: a pairwise likelihood approach Monia Ranalli, Roberto Rocci</p>
	<p>Using Bayesian network to test indicators. The case of University of Palermo remedial courses Salvatore Marcantonio, Antonella Plaia</p>	<p>On wild bootstrap and M unit root test Gabriella Schoier</p>	<p>What data tell you that model can't say Nicoletta Cibella, Tiziana Tuoto, Luca Valentino</p>
8:00pm - 11:00pm	Social Dinner		

Date: Friday, 20/Sep/2013

9:00am - 10:00am	SPEC-08: Statistical methods for categorical data Location: Aula Convegni Chair: Silvia Cagnone <i>Presentations</i> Hospital efficiency under two competing panel data models Fulvia Pennoni, Giorgio Vittadini	SPEC-09: Textual mining Location: Aula N Chair: Simona Balbi <i>Presentations</i> Comparing text clustering algorithms from a multivariate perspective Michelangelo Misuraca, Maria Spano
	Log-mean linear parameterizations for smooth independence models Monia Lupparelli, Luca La Rocca, Alberto Roverato	Co-occurrence network from semantic differential data Giuseppe Giordano, Ilaria Primerano
	Multiple Hidden Markov Models for categorical time series Roberto Colombi, Sabrina Giordano	On the Stylometric Authorship of Ovid's Double Heroides: An Ensemble Clustering Approach Pierpaolo Brutti, Lucio Ceccarelli, Fulvio De Santis, Stefania Gubbiotti
10:00am - 10:15am	SPEC-08-D: Discussion Location: Aula Convegni Chair: Cinzia Violi	SPEC-09-D: Discussion Location: Aula N Chair: Simona Balbi
10:20am - 11:10am	Plenary 2: Jeroen Vermunt: "Multilevel Latent Markov Modeling in Continuous Time with an Application to the Analysis of Ambulatory Mood Assessment Data" Location: Aula Convegni Chair: Paolo Giudici PLEN-2 also available in streaming in Aula N	
11:10am - 11:30am	Coffee Break	
11:30am - 12:30pm	SPEC-10: Multiblock analysis Location: Aula Convegni Chair: Tormod Naes <i>Presentations</i> Data fusion in the framework of coupled matrix tensor factorization with common, partially common and unique factors Morten Arendt Rasmussen	SPEC-11: Machine learning / Pascal Location: Aula N Chair: Domenico Perrotta <i>Presentations</i> Novelty detection with support vector machines John Shawe-Taylor, Blaž Žličar
	Towards maximum likelihood fusion of multiple platform metabolomics data Johan A. Westerhuis	Open science in machine learning Joaquin Vanschoren, Mikio L. Braun, Cheng Soon Ong
	Variable selection in sequential multi-block analysis Kristian Hovde Liland	Data privacy in credit scoring: evaluating SVM approaches based on microaggregated data Ralf Stecking, Klaus B. Schebesch
12:30pm - 12:45pm	SPEC-10-D: Discussion Location: Aula Convegni Chair: Tormod Naes	SPEC-11-D: Discussion Location: Aula N Chair: Domenico Perrotta,
12:45pm - 1:00pm	Closing Ceremony Location: Aula Convegni Closing Ceremony also available in streaming in Aula N	