

CARME 2015 PROGRAM

Sunday 20 September 2015

11.00 **Excursion to Pompeii**

Plenary and invited sessions in AULA MAGNA (first floor)

Contributed talks on the left: AULA MAGNA (first floor)

Contributed talks on the right: AULA A (ground floor)

Monday 21 September 2015

9.00 Registration

10.00 **Opening session** (Chair: *Simona Balbi*)

10.30 **Coffee**

11.00 **Invited papers** (Chair: *Jörg Blasius*)

Hervé Abdi, Derek Beaton, Gilbert Saporta

Generalizing partial least squares and correspondence analysis methods to predict categorical and heterogeneous data

Brigitte le Roux

Combinatorial inference in geometric data analysis

John Gower

Bees in my bonnet

12.45 **Lunch**

14.00 **Contributed papers**

MCA - new methodological developments

(Chair: *Pieter Kroonenberg*)

Véronique Cariou and El Mostafa Qannari

Multiple correspondence analysis applied to variables having the same categories

Vincent Audigier, François Husson and Julie Josse

Multiple imputation for categorical variables with multiple correspondence analysis

Rosaria Lombardo, Pieter Kroonenberg and Eric Beh

Three-way polynomial correspondence analysis for ordered contingency tables

Vartan Ohanes Choulakian and Solène Mallet Gauthier

Taxicab correspondence analysis of abundance data in archaeology

Related methods - applications I

(Chair: *Francesco Palumbo*)

Enzo Fenoglio

Simultaneous analysis for audience profiling and demographic predictions

Zawali Naima, Jeleva Meglena and Benammou Saloua

Flood insurance systems in the world: a typology based on macroeconomic indicators

Chandrasiri Naiwala Pathirannehelage

Analyzing performance of a cricket player: distinctive bowlers and batsmans

Francisco Casanova Del Angel

Hierarchical cores case: use of technologies in the higher education students

15.30 **Coffee**

16.00 **Contributed papers**

<p style="text-align: center;">CA and modelling (Chair: <i>John Gower</i>) <i>Niel Le Roux, John Gower and Sugnet Lubbe</i> Fisher's optimal scores revisited</p>	<p style="text-align: center;">Political fields (Chair: <i>Germana Scepi</i>) <i>Frédéric Cassor and Brigitte Le Roux</i> The evolution of trust in France between 2009 and 2014: geometric data analysis applied to the "Barometer of Political Trust" survey</p>
<p style="text-align: center;"><i>El Mostafa Qannari</i> Association model for the analysis of free sorting data</p>	<p style="text-align: center;"><i>Theodore Chadjipadeli</i> Parties, candidates, issues: the effect of crisis</p>
<p style="text-align: center;"><i>Francesco Palumbo and Alfonso Iodice D'Enza</i> Evolutionary generation of structured categorical data</p>	<p style="text-align: center;"><i>Anastasios Varellas and Theodore Chadjipadeli</i> Party families, party leaders, church attendance at the electoral competition in Greece 1985-2012</p>

17.15 **Poster session**

Posters

<p style="text-align: center;"><i>Cengiz Gazeloğlu and Zerrin Aşan Greenacre</i> Using structural equation models for visualization of categorical data</p>	<p style="text-align: center;"><i>Levent Terlemez</i> Electricity production of OECD</p>
<p style="text-align: center;"><i>Zerrin Aşan Greenacre</i> Evaluation of careers of doctorate holders internet-based survey with correspondence analysis</p>	<p style="text-align: center;"><i>Awdhesh Yadav</i> Household and community socioeconomic and environmental determinant of child morbidity in India: A multilevel analysis of pooled data from three Demographic and Health Survey</p>
<p style="text-align: center;"><i>Fikret Er</i> A compositional data analysis of Bergen Facebook addiction scale: a case study of university students</p>	<p style="text-align: center;"><i>Oleg Nenadić and Michael Greenacre</i> Correspondence Analysis in R: the ca package in 2015</p>
<p style="text-align: center;"><i>Jean-Marie Monget and Michael Greenacre</i> CARME in history, language, culture and science (in French and English)</p>	

18:00 **Welcome cocktail**

Tuesday 22 September 2015

9.30 Contributed papers

<p style="text-align: center;">Related methods - methodology (Chair: <i>Michael Friendly</i>)</p> <p style="text-align: center;"><i>Jose Luis Vicente-Villardón and Julio Cesar Hernandez-Sanchez</i> A comparison between nominal logistic biplots and multiple correspondence analysis</p>	<p style="text-align: center;">Textual data analysis (Chair: <i>Eric Beh</i>)</p> <p style="text-align: center;"><i>Mireille Gettler Summa, Sadika Rjiba, Myriam Touati and Saloua Benamou</i> A visualization approach for textual analysis using Gath-Geva algorithm, fuzzy framework and symbolic data analysis</p>
<p style="text-align: center;"><i>Sugnet Lubbe</i> Including covariates in linear discriminant analysis</p>	<p style="text-align: center;"><i>Maria Gabriella Grassia, Marina Marino, Enrica Amaturò, Biagio Aragona, Gabriella Punziano and Rosanna Cataldo</i> New media communication strategies for the election campaign. Campania regional election, 2015</p>
<p style="text-align: center;"><i>Antoine de Falguerolles</i> Similar or/and different? The case of classical multidimensional scaling of two matched distance matrices</p>	<p style="text-align: center;"><i>Massimo Aria, Corrado Cuccurullo and Fabrizia Sarto</i> Performance management in business and public administration domains: a co-word analysis on 20 Years</p>
<p style="text-align: center;"><i>Elias Moreno, F. Javier Giron, M. Lina Martínez and Carles Cuadras</i> Heterogeneity: A Bayesian model</p>	<p style="text-align: center;"><i>Kazuo Fujimoto</i> On publishing the Japanese translation of "Applied correspondence analysis" and its comment part</p>

11:00 *Coffee*

11.30 Invited papers (Chair: *Patrick Groenen*)

<p style="text-align: center;"><i>Fionn Murtagh</i> The semantic context of aggregated data in high dimensional, massive data analytics</p>
<p style="text-align: center;"><i>Carlo Natale Lauro, Pasquale Dolce, Vincenzo Esposito Vinzi</i> Non-symmetrical approach to component based SEM</p>

12.45 *Lunch*

14.00 **Contributed papers**

<p style="text-align: center;">Clustering methods (Chair: <i>Fionn Murtagh</i>) <i>Ndèye Niang, Stéphanie Bougeard, Gilbert Saporta and Hervé Abdi</i> Clusterwise multiblock PLS</p>	<p style="text-align: center;">Social space analysis (Chair: <i>Brigitte Le Roux</i>) <i>Jan Thorhauge Frederiksen</i> Bureauratic and political transformations of the Danish field of welfare work</p>
<p style="text-align: center;"><i>Michel van de Velden, Alfonso Iodice D'Enza and Francesco Palumbo</i> Cluster correspondence analysis</p>	<p style="text-align: center;"><i>Philippe Bonnet and Frédéric Lebaron</i> Discourses in turmoil? A lexicometric-GDA study of French political debate about the European budget</p>
<p style="text-align: center;"><i>Dario Bruzzese, Davide Passaretti and Domenico Vistocco</i> DESPOTA: an algorithm to automatically detect a reliable partition on a dendrogram</p>	<p style="text-align: center;"><i>Alice Barth and Andreas Schmitz</i> Assessing correspondences between psychological and sociological indicators with MCA</p>

15.15 **Coffee**

16.00 **Contributed papers**

<p style="text-align: center;">MCA & related methods - new developments (Chair: <i>Maurizio Vichi</i>) <i>Jean-Luc Durand</i> On the variance of eigenvalues in PCA and MCA</p>	<p style="text-align: center;">CA & MCA - applications (Chair: <i>Sugnet Lubbe</i>) <i>Luigi D'Ambra and Jules de Tibeiro</i> Different approaches to analyse familial budgets with external information</p>
<p style="text-align: center;"><i>Angelos Markos and Alfonso Iodice D'Enza.</i> Joint dimension reduction and fuzzy clustering</p>	<p style="text-align: center;"><i>Natascha Kienstra and Peter van der Heijden</i> Using correspondence analysis in multiple case studies</p>
<p style="text-align: center;"><i>Patrick Groenen and Julie Josse</i> Multinomial correspondence analysis</p>	<p style="text-align: center;"><i>Ulaş Akkucuk and Mehmet Artemel</i> Visualisation of patent data: a study on seven Turkic countries</p>
<p style="text-align: center;"><i>Michael Friendly and David Meyer</i> General models and graphs for log odds ratios</p>	<p style="text-align: center;"><i>Emmanouil Bagkeris, Heather Bailey, Ruslan Malyuta, Claire Thorne and Mario Cortina Borja</i> Advantages of a composite marker of socioeconomic status over educational level alone: modelling cART initiation for PMTCT in the Ukraine European Collaborative Study using joint correspondence analysis</p>

Wednesday 23 September 2015

9.30 Contributed papers

<p>Multiple factor analysis (Chair: <i>Gilbert Saporta</i>) <i>Antonio Irpino and Rosanna Verde</i> Categorical factorial analysis of ordinal valued-data and clustering of distributional variables</p>	<p>Related methods - applications II (Chair: <i>Michael Greenacre</i>) <i>Cenk İçöz</i> Log-ratio analysis: an application to European time use surveys</p>
<p><i>Giancarlo Ragozini and Giuseppe Giordano</i> On the use of multiple factor analysis for multilayer networks</p>	<p><i>Giuseppe Pandolfo and Giovanni Porzio</i> Nonparametric classifiers for directional data with an application to sub-populations of compositional data</p>
<p><i>Giuseppe Giordano</i> Exploring Twitter communication patterns with correspondence analysis</p>	<p><i>Germana Scepi, Maria Carannante, Fabio Matano and Carlo Drago</i> Feature based clustering approach to slope stability time series</p>
<p><i>Marco Serino and Giancarlo Ragozini</i> Time-varying two-mode networks in stage co-productions. A multiple factor analysis of collaboration among theatre firms across different theatre seasons</p>	<p><i>Luigi Fabbris, Francesco Miari and Manuela Scioni</i> A fractional design to elicit graduates' preferences for job characteristics</p>

11:00 *Coffee*

11.30 Invited papers (Chair: *Simona Balbi*)

<p><i>Rosanna Verde</i> Factorial analysis for distributional data</p>
<p><i>Ludovic Lebart</i> About fragmented correspondence analysis of texts (variations on the "Inaugural Address" corpus)</p>

12.45 *Lunch*

14:00 Contributed papers

<p>Applications in economics (Chair: <i>Rosanna Verde</i>) <i>Jörg Breitung</i> Estimating multi-level factor models: A comparison of alternative approaches</p>	<p>Related methods - applications III (Chair: <i>Carlo Lauro</i>) <i>Roberta Siciliano, Antonio D'Ambrosio and Massimo Aria</i> Distance-based visualization of sequence rules in web mining</p>
<p><i>Simona Balzano, Valentino Parisi and Filippo Oropallo</i> Measuring the relationships between business investment tax credits and innovation in Italy through structural equation models</p>	<p><i>Laura Trinchera, Giorgio Russolillo and Volker Kuppelwieser</i> Categorical data in PLS path modeling: a marketing study</p>

14:45 Invited papers (Chair: *Ludovic Lebart*)

<p><i>Maurizio Vichi</i> Disjoint multiple correspondence analysis</p>
<p><i>Eric Beh and Rosaria Lombardo</i> A correspondence analysis tour</p>

16:00 **Coffee**

16:45 "CARME spectrum" scientific organizers closing session

(Chair: *Alfonso Iodice d'Enza*)

<p><i>Jörg Blasius (with Victor Thiessen)</i> The dirty data index – a new instrument to assess the quality of survey data</p>
<p><i>Michael Greenacre (with Tor Korneliussen)</i> Total inertia decomposition, with applications to decision-making in tourism</p>
<p><i>Simona Balbi (with Maria Spano)</i> A joint analysis of heterogeneous information on Italian listed firms</p>

18:00 **Short closing ceremony of conference**

20:30 **Social dinner**