

Contents

Time-Frequency Filtering for Seismic Waves Clustering	1
Antonio Balzanella, Giada Adelfio, Marcello Chiodi, Antonino D’Alessandro, and Dario Luzio	
Modeling Longitudinal Data by Latent Markov Models with Application to Educational and Psychological Measurement	11
Francesco Bartolucci	
Clustering of Stratified Aggregated Data Using the Aggregate Association Index: Analysis of New Zealand Voter Turnout (1893–1919)	21
Eric J. Beh, Duy Tran, Irene L. Hudson, and Linda Moore	
Estimating a Rasch Model via Fuzzy Empirical Probability Functions ...	29
Lucio Bertoli-Barsotti, Tommaso Lando, and Antonio Punzo	
Scale Reliability Evaluation for A-Priori Clustered Data	37
Giuseppe Boari, Gabriele Cantaluppi, and Marta Nai Ruscone	
An Evaluation of Performance of Territorial Services Center (TSC) by a Nonparametric Combination Ranking Method	47
Mario Bolzan, Livio Corain, Valeria De Giuli, and Luigi Salmaso	
A New Index for the Comparison of Different Measurement Scales	55
Andrea Bonanomi	
Asymmetries in Organizational Structures	65
Giuseppe Bove	
A Generalized Additive Model for Binary Rare Events Data: An Application to Credit Defaults	73
Raffaella Calabrese and Silvia Angela Osmetti	
The Meaning of <i>forma</i> in Thomas Aquinas: Hierarchical Clustering from the <i>Index Thomisticus</i> Treebank	83
Gabriele Cantaluppi and Marco Passarotti	

The Estimation of the Parameters in Multi-Criteria Classification Problem: The Case of the Electre Tri Method.....	93
Renato De Leone and Valentina Minnetti	
Dynamic Clustering of Financial Assets	103
Giovanni De Luca and Paola Zuccolotto	
A Comparison of χ^2 Metrics for the Assessment of Relational Similarities in Affiliation Networks	113
Maria Rosaria D'Esposito, Domenico De Stefano, and Giancarlo Ragozini	
Influence Diagnostics for Meta-Analysis of Individual Patient Data Using Generalized Linear Mixed Models	123
Marco Enea and Antonella Plaia	
Social Networks as Symbolic Data	133
Giuseppe Giordano and Paula Brito	
Statistical Assessment for Risk Prediction of Endoleak Formation After TEVAR Based on Linear Discriminant Analysis	143
Kuniyoshi Hayashi, Fumio Ishioka, Bhargav Raman, Daniel Y. Sze, Hiroshi Suito, Takuya Ueda, and Koji Kurihara	
Fuzzy c-Means for Web Mining: The Italian Tourist Forum Case	153
Domenica Fioredistella Iezzi and Mario Mastrangelo	
On Joint Dimension Reduction and Clustering of Categorical Data	161
Alfonso Iodice D'Enza, Michel Van de Velden, and Francesco Palumbo	
A SVM Applied Text Categorization of Academia-Industry Collaborative Research and Development Documents on the Web.....	171
Kei Kurakawa, Yuan Sun, Nagayoshi Yamashita, and Yasumasa Baba	
Dynamic Customer Satisfaction and Measure of Trajectories: A Banking Case	183
Caterina Liberati and Paolo Mariani	
The Analysis of Partnership Networks in Social Planning Processes	191
Rosaria Lumino and Concetta Scolorato	
Evaluating the Effect of New Brand by Asymmetric Multidimensional Scaling	201
Akinori Okada and Hiroyuki Tsurumi	
Statistical Characterization of the Virtual Water Trade Network.....	211
Alessandra Petrucci and Emilia Rocco	

A Pre-specified Blockmodeling to Analyze Structural Dynamics in Innovation Networks	221
Laura Prota and Maria Prosperina Vitale	
The <i>RCI</i> as a Measure of Monotonic Dependence	231
Emanuela Raffinetti and Pier Alda Ferrari	
A Value Added Approach in Upper Secondary Schools of Lombardy by OECD-PISA 2009 Data	243
Isabella Romeo and Brunella Fiore	
Algorithmic-Type Imputation Techniques with Different Data Structures: Alternative Approaches in Comparison	253
Nadia Solaro, Alessandro Barbiero, Giancarlo Manzi, and Pier Alda Ferrari	
Changes in Japanese EFL Learners' Proficiency: An Application of Latent Rank Theory	263
Naoki Sugino, Kojiro Shojima, Hiromasa Ohba, Kenichi Yamakawa, Yuko Shimizu, and Michiko Nakano	
Robustness and Stability Analysis of Factor PD-Clustering on Large Social Data Sets	273
Cristina Tortora and Marina Marino	
A Box-Plot and Outliers Detection Proposal for Histogram Data: New Tools for Data Stream Analysis	283
Rosanna Verde, Antonio Irpino, and Lidia Rivoli	
Assessing Cooperation in Open Systems: An Empirical Test in Healthcare	293
Paola Zappa	

Analysis and Modeling of Complex Data in Behavioral
and Social Sciences

Vicari, D.; Okada, A.; Ragozini, G.; Weihs, C. (Eds.)

2014, XV, 301 p. 75 illus., 25 illus. in color., Softcover

ISBN: 978-3-319-06691-2