

Michele Gallo

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Websites & Social Links

Researchgate (<https://www.researchgate.net/profile/Michele-Gallo>)

Unior (https://docenti2.unior.it/index2.php?user_id=mgallo&content_id_start=1)

Scholar.google (<https://scholar.google.it/citations?hl=it&user=Km6LISUAAAAJ>)

WoS (<https://www.webofscience.com/wos/author/record/D-5773-2011>)

Country

Italy

Keywords

Multivariate Data Analysis, Compositional Data, Tensor Analysis, Rasch Analysis, Applied Statistics

Other IDs

Scopus Author ID: 7102609541 (<http://www.scopus.com/inward/authorDetails.url?authorID=7102609541&partnerID=MN8TOARS>)

ResearcherID: D-5773-2011 (<http://www.researcherid.com/rid/D-5773-2011>)

Scopus Author ID: 57192326174 (<http://www.scopus.com/inward/authorDetails.url?authorID=57192326174&partnerID=MN8TOARS>)

Biography

In 1995, he graduated in Economics and Business from the University of Naples - Federico II, where he subsequently earned a Doctorate in "Total Quality Management" in 1999. Since October 2020 he has been a Full Professor of Statistics in the Department of Human and Social Sciences at the University of Naples-L'Orientale, where he teaches a basic course of Statistics for undergraduate students and an advanced course on multidimensional methods for graduate students. Since January 2020 he has been the Chancellor's Delegate for Orientation and Tutoring Services. Previously, he was an Associate Professor of Statistics in the Department of Human and Social Sciences (Faculty of Political Sciences from January 2005 to December 2011) and an Assistant Professor of Statistics in the Faculty of Political Sciences. He was a Researcher Assistant in "Statistical Methods for the Total Quality Management" in the Mathematical and Statistics Department at the University of Naples - Federico II (from November 2000 to December 2001). At the University of Naples - L'Orientale, Michele Gallo was coordinator of the three-year degree course "Political Science and International Relations" (L-36 Political Science and International Relations) (from November 2012 to October 2016) and coordinator of the Ph.D. program in "Institution, Law and Economics of Public Services" (from November 2008 to October 2014). He was President of the Interdepartmental Service Centre for Telematics and Informatics (from January 2007 to December 2011) and Quality Assurance Manager for Scientific Research (from June 2004 to December 2010). Michele Gallo's primary research interests are: - Multivariate data analysis - Compositional analysis - Rasch analysis – Tensor analysis - Applied Statistics

Employment (4)

University of Naples - L'Orientale: Naples, Campania, IT

2020-10-01 to present | Full professor in Statistics (Human and Social Sciences)

Employment

Source: Michele Gallo

University of Naples - L'Orientale: Naples, IT

2005-01-16 to 2020-09-30 | Associate Professor in Statistics (Human and Social Sciences)

Employment

Source: Michele Gallo

University of Naples - L'Orientale: Naples, IT

2002-01-01 to 2005-01-15 | Assistant Professor in Statistics (Social Sciences)

Employment

Source: Michele Gallo

University of Naples Federico II: Naples, Campania, IT

2000-01-01 to 2001-12-31 | Researcher contract Statistical Methods for the Total Quality (Mathematics and Statistics)

Employment

Source: Michele Gallo

Education and qualifications (2)

University of Naples Federico II: Naples, Campania, IT

1996-11-01 to 1999-10-31 | Ph.D (Department of Aeronautic Engineering)

Education

Source: Michele Gallo

University of Naples Federico II: Naples, IT

1988-11-01 to 1995-01-12 | MSc in Economics and Business (Economics and Business)

Education

Source: Michele Gallo

Invited positions and distinctions (6)

University of Madras: Chennai, Tamil Nadu, IN

2023-06-08 to 2023-06-16 | Teaching and guest researcher

by prof. Srinivasan

Invited position

Source:Michele Gallo**Universidade Federal de Pernambuco Centro de****Informática: Recife, PE, BR**

2022-09-17 to 2022-09-25 | Guest research invited by F. de

Carvalho

Invited position

Source:Michele Gallo**University of Madras: Chennai, Tamil Nadu, IN**

2014-02-18 to 2014-03-03 | Teaching and guest researche

r (Department of Statistics)

Invited position

Source:Michele Gallo**The Open University: Milton Keynes, GB**

2013-12-01 to 2013-12-05 | Visiting invited by prof. N. Tren

dafilov (STEM)

Invited position

Source:Michele Gallo**Annamalai University: Annamalai Nagar, Tamil Nadu, IN**

2012-02-22 to 2012-03-06 | Guest research invited by D. Ve

nkatesan (Department of Statistics)

Invited position

Source:Michele Gallo**University of Portsmouth Portsmouth Business School:****Portsmouth, Portsmouth, GB**

1998-07-10 to 1998-08-30 | Guest researcher invited by J. A

ntony (AMS Portsmouth Business School)

Invited position

Source:Michele Gallo**Membership and service (4)**

Italian Statistical Society: Rome, IT

2020-07-01 to present | Treasurer

Service

Source:Michele Gallo**International Statistical Institute: Den Haag, Zuid-Holland, NL**

2019-01-01 to present | ISI Regular

Membership

Source:Michele Gallo**CoDa-Association: Girona, ES**

2012-01-01 to present | Regular

Membership

Source:Michele Gallo**Italian Statistical Society: Rome, IT**

2004-01-01 to present | Regular (#19103)

Membership

Source:Michele Gallo**Works (40 of 40)**

On four-way CP model estimation efficiency*Computational Statistics*

2024-02 | journal-article

DOI: 10.1007/s00180-022-01271-y

Source:Crossref**Constraint principal components for linear discrimination***Information Sciences*

2023-10 | journal-article

DOI: 10.1016/j.ins.2023.119353

Part of ISSN: 0020-0255

Source:Michele Gallo**A novel estimation procedure for robust CANDECOMP/PARAFAC model fitting***Econometrics and Statistics*

2023-07 | journal-article

DOI: 10.1016/j.ecosta.2023.07.001

Source:Crossref

PCA and other dimensionality-reduction techniques

International Encyclopedia of Education(Fourth Edition)

2023 | book-chapter

DOI: 10.1016/b978-0-12-818630-5.10014-4

Part of ISBN: 9780128186299

Source:Michele Gallo

Three-way principal balance analysis: algorithm and interpretation

Annals of Operations Research

2022-06-04 | journal-article

DOI: 10.1007/s10479-022-04782-5

Source:Crossref

Robust Tools for Three-way Component Analysis of Compositional Data: The R package rrcov3way

2022 | online-resource

Source:Michele Gallo

The R package rrcov3way: Robust Methods for Multiway Data Analysis, Applicable also for Compositional Data

2022 | software

Source:Michele Gallo

A Compositional Three-Way Approach for Student Satisfaction Analysis

Advances in Compositional Data Analysis

2021 | book-chapter

DOI: 10.1007/978-3-030-71175-7_8

Part of ISBN: 9783030711740

Part of ISBN: 9783030711757

Source:Michele Gallo

Multivariate Data Analysis on Matrix Manifolds

2021 | book

DOI: 10.1007/978-3-030-76974-1

Source:Crossref

Robust distance measure to detect outliers for categorical data*Soft Computing*

2020-09-23 | journal-article

DOI: 10.1007/s00500-019-04340-5

Source:Crossref

Detection of Outlying Cells in Contingency Tables Using Model Based Diagnostics*Austrian Journal of Statistics*

2020-08-27 | journal-article

DOI: 10.17713/ajs.v49i5.938

Source:Crossref

An ATLD–ALS method for the trilinear decomposition of large third-order tensors*Soft Computing*

2019-09-05 | journal-article

DOI: 10.1007/s00500-019-04320-9

Part of ISSN: 1432-7643

Part of ISSN: 1433-7479

Source:Michele Gallo

Improving PARAFAC-ALS estimates with a double optimization procedure*Chemometrics and Intelligent Laboratory Systems*

2019-09 | journal-article

DOI: 10.1016/j.chemolab.2019.103822

Source:Crossref

Monitoring Industrial Process using a Robust Modified Mean Chart*Austrian Journal of Statistics*

2019-08-05 | journal-article

DOI: 10.17713/ajs.v48i1.765

Source:Crossref

Digital transformation of cultural institutions: a statistical analysis of Italian and Campania GLAMs*Quality & Quantity*

2019-05-17 | journal-article

DOI: 10.1007/s11135-019-00889-3

Part of ISSN: 0033-5177

Part of ISSN: 1573-7845

Source:Michele Gallo

Performance comparison of heterogeneity measures for count data models in bayesian perspective*Springer Proceedings in Mathematics and Statistics*

2019 | conference-paper

DOI: 10.1007/978-3-030-21158-5_13

EID: 2-s2.0-85071665674

Source: Michele Gallo via Scopus - Elsevier

A robust Parafac model for compositional data*Journal of Applied Statistics*

2018-06-11 | journal-article

DOI: 10.1080/02664763.2017.1381669

Source: Crossref

Coherent Modeling and Forecasting of Mortality Patterns for Subpopulations Using Multiway Analysis of Compositions: An Application to Canadian Provinces and Territories*North American Actuarial Journal*

2018-01-02 | journal-article

DOI: 10.1080/10920277.2017.1377620

Source: Crossref

An integrated algorithm for three-way compositional data*Quality & Quantity*

2018 | journal-article

DOI: 10.1007/s11135-018-0745-2

Source: Michele Gallo

Detecting Public Social Spending Patterns in Italy Using a Three-Way Relative Variation Approach*Social Indicators Research*

2018 | journal-article

DOI: 10.1007/s11205-018-1894-3

Source: Michele Gallo

External Information Model in a Compositional Perspective: Evaluation of Campania Adolescents' Preferences in the Allocation of Leisure-Time*Social Indicators Research*

2018 | journal-article

DOI: 10.1007/s11205-018-1898-z

Source: Michele Gallo

New family of time series models and its bayesian analysis

BIOMETRICS & BIOSTATISTICS INTERNATIONAL JOURNAL

2017-10-10 | journal-article

DOI: 10.15406/bbij.2017.06.00172

Source: Michele Gallo

Editorial

Formal Aspects of Computing

2017 | journal-article

DOI: 10.1007/S00165-016-0408-9

WOSUID: WOS:000392128400001

Source: Web of Science Researcher Profile Sync

Editorial

Quality and Quantity

2017 | journal-article

DOI: 10.1007/s11135-017-0472-0

EID: 2-s2.0-85010711680

Source: Michele Gallo via Scopus - Elsevier

Performance improvement of dispersion charts by trimming and winsorization

Statistica e Applicazioni

2017 | journal-article

EID: 2-s2.0-85056610502

Source: Michele Gallo via Scopus - Elsevier

A co-median approach to detect compositional outliers

Journal of Applied Statistics

2016 | journal-article

DOI: 10.1080/02664763.2016.1163525

EID: 2-s2.0-84977278253

Source: Michele Gallo via Scopus - Elsevier

A robust dispersion control chart based on modified trimmed standard deviation

Electronic Journal of Applied Statistical Analysis

2016 | journal-article

DOI: 10.1285/i20705948v9n1p111

EID: 2-s2.0-84975456320

Source: Michele Gallo via Scopus - Elsevier

Partial ridge regression under multicollinearity*Journal of Applied Statistics*

2016 | journal-article

DOI: 10.1080/02664763.2016.1181726

EID: 2-s2.0-84966715211

Source:Michele Gallo via Scopus - Elsevier**Sparse PCA and investigation of multi-elements
compositional repositories: theory and applications***Environmental and Ecological Statistics*

2016 | journal-article

DOI: 10.1007/s10651-016-0346-y

EID: 2-s2.0-84962773915

Source:Michele Gallo via Scopus - Elsevier**Statistical tools for student evaluation of academic
educational quality***Quality and Quantity*

2016 | journal-article

DOI: 10.1007/s11135-016-0425-z

EID: 2-s2.0-84991108787

Source:Michele Gallo**Tucker3 Model for Compositional Data***Communications in Statistics - Theory and Methods*

2015 | journal-article

DOI: 10.1080/03610926.2013.798664

EID: 2-s2.0-84947276520

Source:Michele Gallo via Scopus - Elsevier**Three-way compositional analysis of water quality
monitoring data***Environmental and Ecological Statistics*

2014 | journal-article

DOI: 10.1007/s10651-013-0268-x

EID: 2-s2.0-84907596542

Source:Michele Gallo via Scopus - Elsevier**A procedure for three analysis of compositions***Electronic Journal of Applied Statistical Analysis*

2013 | journal-article

DOI: 10.1285/i20705948v6n2p202

EID: 2-s2.0-84886806099

Source:Michele Gallo via Scopus - Elsevier

Log-ratio and parallel factor analysis: An approach to analyze three-way compositional data

Studies in Computational Intelligence

2013 | book

DOI: 10.1007/978-3-642-32903-6-15

EID: 2-s2.0-84870473407

Source: Michele Gallo via Scopus - Elsevier

Log-Ratio and Parallel Factor Analysis: An Approach to Analyze Three-Way Compositional Data

Studies in Computational Intelligence

2013 | journal-article

DOI: 10.1007/978-3-642-32903-6_15

WOSUID: WOS:000312510100015

Source: Web of Science Researcher Profile Sync

Weighted principal component analysis for compositional data: Application example for the water chemistry of the Arno river (Tuscany, central Italy)

Environmetrics

2013 | journal-article

DOI: 10.1002/env.2214

EID: 2-s2.0-84878201014

Source: Michele Gallo via Scopus - Elsevier

A Bayesian analysis of multiple changes in the variance of first-order autoregressive time series models

Neural, Parallel and Scientific Computations

2012 | journal-article

EID: 2-s2.0-84859074937

Source: Michele Gallo via Scopus - Elsevier

Coda in three-way arrays and relative sample spaces

Electronic Journal of Applied Statistical Analysis

2012 | journal-article

DOI: 10.1285/i20705948v5n3p400

EID: 2-s2.0-84872415968

Source: Michele Gallo via Scopus - Elsevier

**Discriminant partial least squares analysis on
compositional data***Statistical Modelling*

2010 | journal-article

DOI: 10.1177/1471082X0801000103

EID: 2-s2.0-77950523040

Source: Michele Gallo via Scopus - Elsevier**Nonlinear constrained principal component analysis in
the quality control framework***Studies in Classification, Data Analysis, and Knowledge
Organization*

2008 | conference-paper

EID: 2-s2.0-84879574098

Source: Michele Gallo via Scopus - Elsevier**Peer review (12)**

- review activity for **Annals of operation research.** (3)
- review activity for **Annals of operations research.** (2)
- review activity for **Archaeometry.** (1)
- review activity for **Computational statistics.** (4)
- review activity for **Computational statistics.** (1)
- review activity for **Journal of applied statistics.** (1)
- review activity for **Quality and quantity.** (2)
- review activity for **Social indicators research.** (1)
- review activity for **Soft computing.** (1)
- review activity for **Statistical methods & applications.** (2)
- review activity for **Statistical methods & applications.** (2)
- review activity for **Statistical papers.** (1)

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