GIORGIA ZACCARIA

PERSONAL DATA

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🌐 Personal Page ⋄ Institutional Page ⋄ Google Scholar ⋄ Research Gate ⋄ ORCID
⋄ Sapienza University of Rome (PhD page) ⋄ LinkedIn

EMPLOYMENT

Tenure-Track Assistant Professor   *February 2026 – Present*
University of Milano-Bicocca, Milan, Italy
Department of Economics, Management and Statistics

Postdoctoral Research Fellow   *October 2022 – Janaury 2026*
University of Milano-Bicocca, Milan, Italy
Department of Statistics and Quantitative Methods
Scientific Project Head: Prof. Francesca Greselin

Research Fellow   *July 2021 – June 2022*
University of Rome Unitelma Sapienza, Rome, Italy
Department of Law and Economics
Scientific Project Head: Prof. Pasquale Sarnacchiaro

EDUCATION

Ph.D. in Methodological Statistics   *November 2018 – February 2022*
University of Rome "La Sapienza", Rome, Italy   Final evaluation: Excellent
Department of Statistical Sciences
Thesis title: *Ultrametric models for hierarchical dimensionality reduction*
Supervisor: Prof. Maurizio Vichi

M.Sc. in Statistical and Decision Sciences   *November 2016 – October 2018*
Curriculum: European Master in Official Statistics (EMOS)   Final score: 110/110 cum laude
University of Rome "La Sapienza", Rome, Italy
Department of Statistical Sciences
Thesis title: *Un modello gerarchico e parsimonioso per la costruzione di un indicatore composito di sviluppo sostenibile*
Supervisor: Prof. Maurizio Vichi

Internship   *July 2018*
63 hours (a.y. 2017/2018), Alleanza per lo Sviluppo Sostenibile (ASviS), Rome, Italy

B.Sc. in Statistics, Economics and Society   *November 2013 – October 2016*
University of Rome "La Sapienza", Rome, Italy   Final score: 110/110 cum laude
Department of Statistical Sciences
Thesis title: *Tecniche di ricampionamento per l'inferenza non parametrica: il metodo bootstrap*
Supervisor: Prof. Marco Perone Pacifico

RESEARCH VISITS

Vienna University of Technology, Vienna, Austria   *20 – 23 January 2026*
Institute of Statistics and Mathematical Methods in Economics

University of Catania, Catania, Italy   *17 – 22 October 2024*
Department of Economics and Business

University of Valladolid, Valladolid, Spain   *February 2024*
Department of Statistics and Operational Research

University of Valladolid, Valladolid, Spain *21-23 November 2023*
Department of Statistics and Operational Research
Tilburg University, Tilburg, The Netherlands *November 2021 – January 2022*
Department of Methodology and Statistics

RESEARCH INTERESTS

Ultrametric Models	Model-Based Clustering	Robust statistics
Dimensionality Reduction	Hierarchical Models	Latent Variable Models

AWARDS, GRANTS & SCHOLARSHIP

Erasmus+ for Professors and Research Fellows, a.y. 2023/2024 *November 2023*
University of Milano-Bicocca, Milan, Italy
Funding recipient
Research Grant for Junior Researcher, "Avvio alla ricerca" *October 2020*
University of Rome "La Sapienza", Rome, Italy
Principal Investigator
Project title: *Hierarchical latent variable models for studying multidimensional phenomena in heterogeneous populations*
Funding: €1,700
Research Grant for Medium Projects *October 2019*
University of Rome "La Sapienza", Rome, Italy
Investigator (Principal Investigator: Prof. Donatella Vicari)
Project title: *Models, methods and classification of transition data: analysis of the students mobility among degree courses of Italian universities*
Funding: €11,100
Excellent Graduate Award *May 2019*
Fondazione Roma Sapienza, Rome, Italy
Excellent Graduate of the Faculty of Information Engineering, Computer Science and Statistics, a.y. 2017/2018
Scholarship *November 2018*
University of Rome "La Sapienza", Rome, Italy
Ph.D. School of Statistical Sciences
Three years of Ph.D. scholarship

PUBLICATIONS

REFERRED JOURNAL ARTICLES

9. **Zaccaria, G.**, Di Nuzzo, C. (2025). Social sustainability in Italy: a model-based hierarchical composite indicator. *Annals of Operations Research*, 1-26, doi: 10.1007/s10479-025-06731-4 (link).

8. **Zaccaria, G.**, García Escudero, L.A., Greselin, F., Mayo-Íscar, A. (2025) Cellwise outlier detection in heterogeneous populations. *Technometrics*, 67(4), 643-654, doi: 10.1080/00401706.2025.2497822 (link).

7. Bottazzi Schenone, M., Cavicchia, C., Vichi, M., **Zaccaria, G.*** (2025) Ultrametric Factor Analysis for building hierarchies of reliable and unidimensional latent concepts. *Psychometrika*, 90(2), 779-798, doi: 10.1017/psy.2025.6 (link).

6. Greselin, F., **Zaccaria, G.*** (2025) Studying hierarchical latent structures in heterogeneous populations with missing information. *Journal of Classification*, 42(2), 284–310, doi: 10.1007/s00357-024-09492-0 (link).

5. Cavicchia, C., Vichi, M., **Zaccaria, G.*** (2024) Parsimonious Ultrametric Gaussian Mixture Models. *Statistics and Computing*, 34(3), 108, doi: 10.1007/s11222-024-10405-9 (link).

4. Cavicchia, C., Sarnacchiaro, P., Vichi, M., **Zaccaria, G.*** (2024) A model-based ultrametric composite indicator for studying waste management in Italian municipalities. *Computational Statistics*, 39(1), 21-50, doi: 10.1007/s00180-023-01333-9 (link).

3. Cavicchia, C., Vichi, M., **Zaccaria, G.*** (2023) Hierarchical Disjoint Principal Component Analysis. *AStA Advances in Statistical Analysis*, 107(3), 537–574, doi: 10.1007/s10182-022-00458-4 (link).

2. Cavicchia, C., Vichi, M., **Zaccaria, G.*** (2022) Gaussian mixture model with an extended ultrametric covariance structure. *Advances in Data Analysis and Classification*, 16(2), 399-427, doi: 10.1007/s11634-021-00488-x (link).

1. Cavicchia, C., Vichi, M., **Zaccaria, G.*** (2020) The ultrametric correlation matrix for modelling hierarchical latent concepts. *Advances in Data Analysis and Classification*, 14(4), 837-853, doi: 10.1007/s11634-020-00400-z (link).

MANUSCRIPT UNDER REVIEW OR IN PREPARATION

5. Robust fuzzy clustering with cellwise outliers (w. Benzakour, L., Garcìa-Escudero, L.A., Greselin, F. and Mayo-Iscar, A.). *Under review* (ArXiV).

4. cellMMCD: Cellwise Matrix-Variate MCD (w. Mayrhofer, M., Greselin, F. and Filzmoser, P.). *Manuscript in preparation.*

3. Parsimonious Ultrametric Mixture Models for Matrix-Variate Data (w. Sochaniwsky, A. and McNicholas, P.). *Manuscript in preparation.*

2. Mixtures of Disjoint Factor Analyzers *Manuscript in preparation.*

1. Fuzzy Spectral Data Embedding (w. Di Nuzzo, C.). *Manuscript in preparation.*

ARTICLES EDITED IN VOLUMES AND PH.D. THESIS

3. Mingione, M., Vichi, M., **Zaccaria, G.** (2023) Complex Dimensionality Reduction: Ultrametric Models for Mixed-Type Data. In: L.A. Garcia-Escudero, A. Gordaliza, A. Mayo, M. Asunción Lubiano Gomez, M. Angeles Gil, P. Grzegorzewski, O. Hryniewicz (Eds.) *Building Bridges between Soft and Statistical Methodologies for Data Science. SMPS 2022. Advances in Intelligent Systems and Computing*, vol 1433, pp. 279-286. Springer, Cham. ISBN: 978-3-031-15508-6 (link).

2. **Zaccaria, G.** (2022) Ultrametric models for hierarchical dimensionality reduction. *Ph.D. thesis, XXXIV cycle* (link).

1. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2020) Exploring hierarchical concepts: theoretical and application comparisons. In: T. Imaizumi, A. Nakayama, S. Yokoyama, S. (Eds.). *Advanced Studies in Behaviormetrics and Data Science. Behaviormetrics: Quantitative Approaches to Human Behavior*, vol. 5, pp. 315-328. Springer, Singapore. ISBN: 978-981-15-2699-2 (link).

REFERRED CONFERENCE PROCEEDINGS

13. Di Nuzzo, C., **Zaccaria, G.** (2025) Fuzzy Spectral Clustering. In: E. di Bella, V. Gioia, C. Lagazio, S. Zaccarin (Eds.). *Statistics for Innovation III SIS 2025, Short Papers, Contributed Sessions 2.* (pp. 165-170). Pearson. ISBN: 978-3-031-95994-3.

12. Greselin, F., García Escudero, L.A., Mayo-Íscar, A., **Zaccaria, G.** (2025) Cellwise Robust Fuzzy Gaussian Mixtures. In: E. di Bella, V. Gioia, C. Lagazio, S. Zaccarin (Eds.). *Statistics for Innovation IV SIS 2025, Short Papers, Contributed Sessions 3.* (pp. 542-547). Pearson. ISBN: 978-3-031-96032-1.

11. **Zaccaria, G.** (2023) Ultrametric Gaussian Mixture Models With Parsimonious Structures. In P. Coretto, G. Giordano, M. La Rocca, M.L. Parrella, C. Rampichini (Eds.). *Book of Abstract and Short Papers CLADAG 2023* (pp. 314-317). Pearson. ISBN: 978-88-9193-563-2.

10. Greselin, F., **Zaccaria, G.** (2023) Handling missing data in complex phenomena: an ultrametric model-based approach for clustering. In: F. M. Chelli, M. Ciommi, S. Ingrassia, F. Mariani, M. C. Recchioni (Eds.). *Book of the Short Papers SIS 2023* (pp. 961-966). Pearson. ISBN: 978-88-9193-561-8AAVV.

9. **Zaccaria, G.**, Sarnacchiaro, P. (2022) An ultrametric model for building a composite indicator system to study climate change in European countries. In: A. Balzanella, M. Bini, C. Cavicchia, R. Verde. (Eds.). *Book of Short Papers SIS 2022* (pp. 970-974). Pearson. ISBN: 978-88-9193-231-0.

8. Cavicchia, C., Sarnacchiaro, P., Vichi, M., **Zaccaria, G.** (2022) An ultrametric model to build a Composite Indicators system. In: R. Lombardo, I. Camminatiello, V. Simonacci (Eds.). *Book of Short Papers, 10th International Conference IES 2022 Innovation & Society 5.0: Statistical and Economic Methodologies for Quality Assessment, Department of Economics, University of Campania L. Vanvitelli, January 27th - 28th 2022* (pp. 208-211). Sesto San Giovanni: PKE - Professional Knowledge Empowerment s.r.l. ISBN: 978-88-94593-35-8.

7. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2021) A parsimonious parameterization of a nonnegative correlation matrix. In: S. Ingrassia, A. Punzo, R. Rocci (Eds.). *MBC2 2020 Book of Short Papers of the 5th International Workshop on Models and Learning for Clustering and Classification, Catania* (pp. 21-26). Milano: Ledizioni. ISBN: 978-88-5526-539-3.

6. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2021) Model-based clustering with parsimonious covariance structure. In: G. C. Porzio, C. Rampichini, C. Bocci (Eds.). *CLADAG 2021 Book of Abstracts and Short Papers. 13th Scientific Meeting of the Classification and Data Analysis Group, Firenze, September 9-11, 2021* (pp. 296-299). Firenze: Firenze University Press. ISBN: 978-88-5518-340-6.

5. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2021) The ultrametric covariance model for modelling teachers' job satisfaction. In: C. Perna, N. Salvati, F. Schirripa Spagnolo (Eds.). *Book of Short Papers SIS 2021* (pp. 1319-1324). Pearson. ISBN: 978-88-9192-736-1.

4. **Zaccaria, G.**, Vichi, M. (2020) Exploring drug consumption via an ultrametric correlation matrix. In: A. Pollice, N. Salvati, F. Schirripa Spagnolo (Eds.). *Book of Short Papers SIS 2020* (pp. 372-377). Pearson. ISBN: 978-88-9191-077-6.

3. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2019) Dimensionality reduction via hierarchical factorial structure. In: G. C. Porzio, F. Greselin, S. Balzano (Eds.). *Book of Short Papers, CLADAG 2019, 11-13 September 2019, Cassino* (pp. 116-119). Cassino: Centro Editoriale di Ateneo Università di Cassino e del Lazio Meridionale. ISBN: 978-88-8317-108-6.

2. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2019) A new hierarchical model-based composite indicator on climate change. In: M. Bini, P. Amenta, A. D'Ambra, I. Camminatiello (Eds.). *Statistical Methods for Service Quality Evaluation, Book of Short Papers of IES 2019 in Roma, Italia, 4-5 July* (pp. 346-349). Cuzzolin. ISBN: 978-88-86638-65-4.

1. Cavicchia, C., Vichi, M., **Zaccaria, G.** (2019) Hierarchical Clustering and Dimensionality Reduction for Big Data. In: G. Arbia, S. Peluso, A. Pini, G. Rivellini (Eds.). *Smart Statistics for Smart Applications, Book of Short Papers SIS 2019* (pp. 173-180). Pearson. ISBN: 978-88-9191-510-8.

PRESENTATIONS AND SEMINARS

INVITED PRESENTATIONS

CLADAG 2025 *September 2025*
15th Scientific Meeting Classification and Data Analysis Group

University of Naples Federico II, Naples, Italy

EYSM 2025 *July 2025*
24th European Young Statisticians Meeting
Collegio Carlo Alberto, Turin, Italy

ICORS 2025 *May 2025*
International Conference on Robust Statistics
Stresa, Italy

Seminar in the Robust Statistics and Data Science series *April 2025*
KU Leuven, Leuven, Belgium

BYMAT 2024 *November 2024*
Plenary session (link)
6th BYMAT Conference: Bringing Young Mathematicians Together
University of Valladolid, Valladolid, Spain

Seminar (x2) at the Department of Economics and Business *October 2024*
University of Catania, Catania, Italy

MBC2 2024 *August 2024*
7th Workshop on Models and Learning in Clustering and Classification
University of Catania, Catania, Italy

CMStatistics 2023 *December 2023*
16th International Conference of the ERCIM WG on Computational and Methodological Statistics
HTW Berlin, University of Applied Sciences, Berlin, Germany

Seminar at the Department of Statistics and Operational Research *November 2023*
CLADAG 2023 *September 2023*
14th Scientific Meeting of the CLAssification and Data Analysis Group of SIS
University of Salerno, Salerno, Italy

CMStatistics 2022 *December 2022*
15th International Conference of the ERCIM WG on Computational and Methodological Statistics
King's College London, London, United Kingdom

ECDA 2022 *September 2022*
European Conference on Data Analysis
University of Naples Federico II, Naples, Italy

Colloquia Department Methodology and Statistics *December 2021*
Tilburg University, Tilburg, The Netherlands

Statistics Beyond 2020: challenges and risks *October 2017*
European Statistics Day 2017, ESAC
Lisbon, Portugal
Panel Member as European Master in Official Statistics (EMOS) Student

CONTRIBUTED PRESENTATIONS

SIS 2025 *June 2025*
Conference of the Italian Statistical Society
University of Genova, Genova, Italy

SIS 2023 *June 2023*
Conference of the Italian Statistical Society
Marche Politecnica University, Ancona, Italy

CESS 2022 *October 2022*
Conference of the European Statistics Stakeholders
Sapienza University of Rome, Rome, Italy

IFCS 2022 *July 2022*
17th Conference of the International Federation of Classification Societies
University of Porto, Porto, Portugal

SIS 2022   *June 2022*
51st Scientific Meeting of the Italian Statistical Society
University of Campania Luigi Vanvitelli, Caserta, Italy
IES 2022   *January 2022*
Innovation & Society 5.0: Statistical and Economic Methodologies for Quality Assessment
University of Campania Luigi Vanvitelli, Capua, Italy
8th Annual Workshop of the Ph.D. School in Statistical Sciences   *July 2021*
University of Rome "La Sapienza", Rome, Italy
DSSV-ECDA 2021   *July 2021*
Data Science, Statistics & Visualisation and the European Conference on Data Analysis
Erasmus University Rotterdam, Rotterdam, The Netherlands (Virtual)
SIS 2021   *June 2021*
50th Scientific Meeting of the Italian Statistical Society
University of Pisa, Pisa, Italy (Virtual)
7th Annual Workshop of the Ph.D. School in Statistical Sciences   *February 2020*
University of Rome "La Sapienza", Rome, Italy
IFCS 2019   *August 2019*
16th Conference of the International Federation of Classification Societies
Thessaloniki, Greece
IES 2019   *July 2019*
Statistical evaluation systems at 360°: techniques, technologies and new frontiers
European University of Rome, Rome, Italy
6th Annual Workshop of the Ph.D. School in Statistical Sciences   *June 2019*
University of Rome "La Sapienza", Rome, Italy
ECDA 2019   *March 2019*
European Conference on Data Analysis
University of Bayreuth, Bayreuth, Germany

TEACHING

TEACHING AS LECTURER

Lecturer   *September 2024, September 2025*
Department of Economics, Management and Statistics, University of Milano-Bicocca, Milan, Italy
Statistical Modelling II - Part II (PhD course, English, a.y. 2023/2024, 2024/2025)
Adjunct Lecturer   *September 2023 – September 2023*
Department of Economics, Management and Statistics, University of Milano-Bicocca, Milan, Italy
Statistical Modelling II - Part II (PhD course, English, a.y. 2022/2023)
Adjunct Lecturer   *October 2022 – January 2026*
Department of Physics, University of Milano-Bicocca, Milan, Italy
Advanced Foundations of Statistics for AI (Master, English, a.y. 2022/2023, 2023/2024, 2024/2025, 2025/2026)
Lecturer   *March 2022 – March 2022*
Istituto Nazionale per l'Analisi delle Politiche Pubbliche (INAPP), Rome, Italy
Principal Component Analysis with R (Public Administration Training Course, Italian)
Lecturer   *June 2022 – December 2024*
Department of Law and Economics, University of Rome Unitelma Sapienza, Rome Italy
Regression Models (II Level Master Course, Italian, a.y. 2021/2022, 2022/2023, 2023/2024)
Course, exams and thesis supervision
Adjunct Lecturer   *February 2022 – October 2022*
Department of Law and Economics, University of Rome Unitelma Sapienza, Rome Italy
Statistical Models for Social and Economic Analyses (II Level Master Course, Italian, a.y. 2021/2022)

Adjunct Lecturer *November 2021 – September 2022*
Department of Law and Economics, University of Rome Unitelma Sapienza, Rome Italy
Basic Statistics and Mathematics (Master, English, a.y. 2021/2022)

TEACHING AS TEACHING ASSISTANT OR STUDENT TUTOR

Student Tutor *October 2022 – January 2026*
Department of Physics, University of Milano-Bicocca, Milan, Italy
Advanced Foundations of Statistics for AI (Master, English, a.y. 2022/2023, 2023/2024, 2024/2025, 2025/2026)
Teaching Assistant *February 2022 – September 2022*
Department of Economics and Finance, LUISS Guido Carli, Rome Italy
Statistics, Prof. Marco Perone Pacifico (Bachelor, English, a.y. 2021/2022)
Teaching Assistant *March 2021 – July 2022*
Department of Medicine and Pharmacy, University of Rome "La Sapienza", Rome Italy
Medical Statistics, Prof. Maurizio Vichi (Master, Italian, a.y. 2020/2021 and 2021/2022)
Student Tutor *January 2021 – Janaury 2026*
Department of Law and Economics, University of Rome Unitelma Sapienza, Rome Italy
Statistics and Mathematics (Bachelor and Master, Italian and English, a.y. 2020/2021, 2021/2022, 2022/2023, 2023/2024, 2024/2025, 2025/2026)
Subject Expert *October 2020 – October 2022*
Department of Law and Economics, University of Rome Unitelma Sapienza, Rome Italy
Statistics and Mathematics (a.y. 2020/2021 and 2021/2022)
Teaching Assistant *March 2020 – September 2020*
Department of Political Sciences, University of Roma Tre, Rome Italy
Statistics, Prof. Domenico Cucina (Bachelor, Italian, a.y. 2019/2020)
Teaching Assistant *September 2019 – June 2022*
Department of Statistical Sciences, University of Rome "La Sapienza", Rome Italy
Advances in Data Analysis and Statistical Modelling, Prof. Maurizio Vichi (Master, English, a.y. 2019/2020, 2020/2021 and 2021/2022)
Teaching Assistant *September 2019 – June 2022*
Department of Statistical Sciences, University of Rome "La Sapienza", Rome Italy
Multivariate Statistics, Prof. Maurizio Vichi (Bachelor, Italian, a.y. 2019/2020, 2020/2021 and 2021/2022)
Teaching Assistant *September 2019 – December 2019*
Department of Statistical Sciences, University of Rome "La Sapienza", Rome Italy
Statistics, Prof. Maria Brigida Ferraro, Prof. Stefania Gubbiotti, Prof. Valeria Sambucini (Bachelor, Italian, a.y. 2019/2020)
Teaching Assistant *March 2019 – July 2022*
Department of Medicine and Pharmacy, University of Rome "La Sapienza", Rome Italy
Statistics for Research and Technology, Prof. Maurizio Vichi (Master, Italian, a.y. 2018/2019, 2019/2020, 2020/2021 and 2021/2022)
Teaching Assistant *February 2019 – September 2019*
Department of Statistical Sciences, University of Rome "La Sapienza", Rome Italy
Statistical Inference, Prof. Fulvio De Santis (Bachelor, Italian, a.y. 2018/2019)

SERVICE TO PROFESSION

EDITORIAL ACTIVITY

Editor of the Springer volume "High-quality and Timely Statistics - New Methods and Applications"
Springer book series of the CESS 2022 conference. ISBN: 978-3-031-63629-5 (link)

POSITIONS IN ACADEMIC SOCIETIES

Elected member of the board of y-SIS (2023-2024) *January 2023 – December 2024*
Young group of the Italian Statistical Society (link)

Member of SIS, y-SIS and CLADAG-SIS Member *July 2019 – Present*
Member of the Italian Statistical Society (Società Italiana di Statistica, SIS), Young SIS and CLAssification and Data Analysis Group (CLADAG)

Member of IAOS *January 2018 – December 2018*
Member of the International Association for Official Statistics

ORGANIZATION OF SCIENTIFIC EVENTS

Member of the Local Organizing Committee of IFCS 2026
Conference of the International Federation of Classification Societies (link)
July 14-16, 2026, Milano, Italy

Member of the Scientific Committee of SIS 2024
52nd Scientific Meeting of the Italian Statistical Society
June 17-20, 2024, Bari, Italy

Organizer and member of the Scientific Committee of StaTalk2024@UniFi as member of the y-SIS board
Workshop organized by the young group of the Italian Statistical Society (link)
May 30-31, 2024, Florence, Italy

Organizer and member of the Scientific Program Committee of StaTalk2023@DSS Sapienza as member of the y-SIS board
Workshop organized by the young group of the Italian Statistical Society (link)
September 15, 2023, Rome, Italy

Member of the Local Organizing Committee of CESS 2022
Conference of European Statistics Stakeholders 2022 (link)
October 20-21, 2022, Rome, Italy

Organizer of the 8th Annual Workshop of the Ph.D. School in Statistical Sciences
June 15-16, 2021, University of Rome "La Sapienza", Rome, Italy

Organizer of the Invited Session "Cellwise outlier detection" of CLADAG 2025
15th Scientific Meeting Classification and Data Analysis Group (link)
September 8-10, 2025, Naples, Italy

Organizer of the Invited Session "Advanced Methods for Assessing Environmental Impact and Green Innovation" of IES 2025
Innovation & Society: Statistics and Data Science for Evaluation and Quality (link)
June 25-27, 2025, Bressanone-Brixen, Italy

Co-organizer of the Invited Session "y-SIS: Advances in statistical learning and clustering" of CMStatistics 2024
18th International Conference of the ERCIM Working Group on Computational and Methodological Statistics (link)
December 14-16, 2024, London, United Kingdom

Organizer and chair of the Invited Session "y-SIS - Advances in Robust Statistical Methods for Complex Data" of CMStatistics 2023
16th International Conference of the ERCIM WG on Computational and Methodological Statistics (link)
December 16-18, 2023, Berlin, Germany

Organizer and chair of the Solicited Session "Advances in Clustering" of SIS 2022
51st Scientific Meeting of the Italian Statistical Society (link)
June 22-24, 2022, Caserta, Italy

THESIS SUPERVISION

Supervision of 9 theses of the II Level Master "Analisi e Modellazione dei Dati e dei Processi"
Department of Law and Economics, University of Rome Unitelma Sapienza, Rome, Italy

REFEREE SERVICE (alphabetical order)

Advances in Data Analysis and Classification, Annals of Operations Research, Australian & New Zealand Journal of Statistics, Communications in Statistics, Computational Statistics, Journal of Classification, Journal of Computational and Graphical Statistics, Metron, Proceedings of the Royal Society A, Soft Computing, SN Business & Economics (SNBE), Statistical Analysis and Data Mining, Statistica Applicata, Statistical Methods & Applications, Statistical Papers, Statistics and Probability Letters, TEST.

LANGUAGES

Italian	Mother tongue
English	Fluent
French	Good

COMPUTER SKILLS

Languages	R, R Studio, MATLAB, SAS, SAS Enterprise Miner 14, SPSS, LaTeX
Software	Microsoft Office
Certifications	SAS Predictive Modeler Using SAS Enterprise Miner 14 (October 8, 2018)

PUBLIC SOFTWARE

cellGMM: Gaussian Mixture Model with cellwise outlier detection
Author and Maintainer of the R code (Github)
MissUGMM: Ultrametric Gaussian Mixture Models with Missing data
Author and Maintainer of the R code (Github)
PUGMM: Parsimonious Ultrametric Gaussian Mixture Models
Author and Maintainer of the R package (CRAN - Github)
UFA: Ultrametric Factor Analysis
Author and Maintainer of the R code (Github)
HierDPCA: Hierarchical Disjoint Principal Component Analysis
Author and Maintainer of the MATLAB code (Github)

OTHER EXPERIENCES

IELTS Invigilator	*December 2015 – March 2019*
British Council	
Rome, Italy	
INCREASE Delegate	*June 2012*
XII International Human Right Council, OLMUN	
Oldenburg, Germany	

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del D.P.R. 445/2000.

Milan, February 1st, 2026