

Andrea Cappozzo

Associate Professor of Statistics

Curriculum Vitae

2025-11-01

Department of Statistical Sciences,
Università Cattolica del Sacro Cuore
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AndreaCappozzo
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Research Interests

Mixture models, Model-based clustering and classification, Variable selection, Penalized estimation, Robust statistics, Statistical learning, Health Analytics

Work Experience

2025/1 – Pres. **Associate Professor**, Department of Statistical Sciences, Università Cattolica del Sacro Cuore
2024/2 – 2024/12 **Assistant Professor** (Ricercatore SECS-S/01, tipo B), DEMM, Università degli Studi di Milano
2021/4 – 2024/2 **Assistant Professor** (Ricercatore SECS-S/01, tipo A), Department of Mathematics, Politecnico di Milano
2017/9 – 2021/12 **Volunteer data scientist**, Heartindata, Milan
2020/4 – 2021/3 **Postdoctoral researcher**, Department of Statistics & Quantitative Methods, University of Milano-Bicocca
2020/1 – 2020/4 **Freelance Data Scientist**, DCG, Milan
2015/9 – 2016/9 **Business analyst and planner**, HP Inc, Barcelona

Teaching Experience

Lecturer

2025/10 – Pres. BSc course in **Applied Statistics and Big Data**, Università Cattolica del Sacro Cuore
2025/4 – Pres. MSc course in **Computational Statistics**, Università Cattolica del Sacro Cuore
2024/9 – 2024/12 MSc course in **Advanced Multivariate Statistics**, Università degli Studi di Milano
2024/9 – 2024/12 MSc course in **Coding for Data Science and Data Management (R module)**, Università degli Studi di Milano
2024/4 – 2024/7 BSc course in **Statistics for big data**, Università degli Studi di Milano
2022/2 – 2024/6 MSc course in **Biostatistics**, Politecnico di Milano

Teaching Assistant

2021/9 – 2024/6 MSc course in **Nonparametric statistics**, Politecnico di Milano
2021/9 – 2021/9 **Lab with R Mixture models module**, PhD in Economics, Statistics and Data Science, University of Milano-Bicocca
2021/5 – 2021/5 **Lab with R Modelos de Mixtura con aplicaciones en R**, Universidad Nacional de San Agustín de Arequipa
2019/3 – 2021/9 BSc courses in **Statistics and Statistical Methods**, University of Milano-Bicocca
2019/3 – 2019/9 BSc courses in **Statistical Models and Computer Science**, University of Milano-Bicocca
2017/9 – 2018/2 BSc courses in **Statistics**, Bocconi University

Education

2020/2 **Ph.D. in Statistics and Mathematical Finance** (Doctor Europaeus) University of Milano-Bicocca
2017/2 **Statistical Learning online course** (completed with distinction) Stanford University
2015/4 **M.Sc. in Statistical Sciences** (with honors) University of Padua
2012/7 **B.Sc. in Statistics and Management** (with honors) University of Padua

Visiting Periods

2018/3 – 2019/2 **Visiting PhD student**, Insight Centre for Data Analytics, University College Dublin, Ireland
2014/1 – 2014/6 **Exchange Semester**, School of Economics and Management, Tilburg University, The Netherlands

Publications

Refereed journals

- [1] L. Caldera, C. Masci, A. Cappozzo, M. Forlani, B. Antonelli, O. Leoni, and F. Ieva. “Uncovering mortality patterns and hospital effects in COVID-19 heart failure patients: a novel multilevel logistic cluster-weighted modeling approach”. In: *Biometrics* 81.2 (2025). ISSN: 0006-341X. DOI: 10.1093/biomtc/ujaf046.
- [2] A. Cappozzo and A. Casa. “Model-based clustering for covariance matrices via penalized Wishart mixture models”. In: *Computational Statistics & Data Analysis* 212. August 2024 (2025), p. 108232. ISSN: 01679473. DOI: 10.1016/j.csda.2025.108232.
- [3] A. Cappozzo, A. Casa, and M. Fop. “Sparse Model-Based Clustering of Three-Way Data via Lasso-Type Penalties”. In: *Journal of Computational and Graphical Statistics* (2025), pp. 1-21. ISSN: 1061-8600. DOI: 10.1080/10618600.2024.2429705.
- [4] F. Corso, P. Baili, F. Scotti, L. Mazzeo, V. Torri, G. Lo Russo, C. Proto, et al. “Cost-effectiveness of first-line osimertinib informed by electronic medical records via text-mining: a real-world Italian case study of EGFR-mutated advanced NSCLC patients”. In: *ESMO Real World Data and Digital Oncology* 10.C (2025), p. 100198. ISSN: 29498201. DOI: 10.1016/j.esmorw.2025.100198.

- [5] L. Mazzeo, F. Corso, P. Baili, F. Scotti, V. Torri, M. Ganzinelli, V. Mišković, et al. "Data analytics for real-world data integration in TKI-treated NSCLC patients using electronic health records". In: *ESMO Real World Data and Digital Oncology 7.C* (2025), p. 100109. ISSN: 29498201. DOI: 10.1016/j.esmorw.2024.100109.
- [6] G. Montani and A. Cappozzo. "Stacking Model-Based Classifiers for Dealing With Multiple Sets of Noisy Labels". In: *Biometrical Journal* 67.2 (2025), pp. 1-21. ISSN: 0323-3847. DOI: 10.1002/bimj.70042.
- [7] M. L. Carlesso, A. Cappozzo, M. Manisera, and P. Zuccolotto. "Scoring probability maps in the basketball court with Indicator Kriging estimation". In: *Computational Statistics* (2024). ISSN: 0943-4062. DOI: 10.1007/s00180-024-01564-4.
- [8] L. Benedetti, E. Boniardi, L. Chiani, J. Ghirri, M. Mastropietro, A. Cappozzo, and F. Denti. "Variational inference for semiparametric Bayesian novelty detection in large datasets". In: *Advances in Data Analysis and Classification* (2023). ISSN: 1862-5347. DOI: 10.1007/s11634-023-00569-z.
- [9] A. Cappozzo, L. A. García-Escudero, F. Greselin, and A. Mayo-Isicar. "Graphical and Computational Tools to Guide Parameter Choice for the Cluster Weighted Robust Model". In: *Journal of Computational and Graphical Statistics* 32.3 (2023), pp. 1195-1214. ISSN: 1061-8600. DOI: 10.1080/10618600.2022.2154218.
- [10] A. Cappozzo, F. Ieva, and G. Fiorito. "A general framework for penalized mixed-effects multitask learning with applications on DNA methylation surrogate biomarkers creation". In: *The Annals of Applied Statistics* 17.4 (2023), pp. 3257-3282. ISSN: 1932-6157. DOI: 10.1214/23-AOAS1760.
- [11] A. Cappozzo, C. McCrory, O. Robinson, A. Freni Sterrantino, C. Sacerdote, V. Krogh, S. Panico, et al. "A blood DNA methylation biomarker for predicting short-term risk of cardiovascular events". In: *Clinical Epigenetics* 14.1 (2022), p. 121. ISSN: 1868-7075. DOI: 10.1186/s13148-022-01341-4.
- [12] A. Casa, A. Cappozzo, and M. Fop. "Group-Wise Shrinkage Estimation in Penalized Model-Based Clustering". In: *Journal of Classification* 39.3 (2022), pp. 648-674. ISSN: 0176-4268. DOI: 10.1007/s00357-022-09421-z.
- [13] A. Cappozzo, L. Duponchel, F. Greselin, and T. B. Murphy. "Robust variable selection in the framework of classification with label noise and outliers: Applications to spectroscopic data in agri-food". In: *Analytica Chimica Acta* 1153 (2021), p. 338245. ISSN: 00032670. DOI: 10.1016/j.aca.2021.338245.
- [14] A. Cappozzo, L. A. G. García Escudero, F. Greselin, and A. Mayo-Isicar. "Parameter Choice, Stability and Validity for Robust Cluster Weighted Modeling". In: *Stats* 4.3 (2021), pp. 602-615. ISSN: 2571-905X. DOI: 10.3390/stats4030036.
- [15] A. Cappozzo, F. Greselin, and T. B. Murphy. "Robust variable selection for model-based learning in presence of adulteration". In: *Computational Statistics & Data Analysis* 158 (2021), p. 107186. ISSN: 01679473. DOI: 10.1016/j.csda.2021.107186.
- [16] F. Denti, A. Cappozzo, and F. Greselin. "A two-stage Bayesian semiparametric model for novelty detection with robust prior information". In: *Statistics and Computing* 31.4 (2021), p. 42. ISSN: 0960-3174. DOI: 10.1007/s11222-021-10017-7.
- [17] A. Cappozzo, F. Greselin, and T. B. Murphy. "A robust approach to model-based classification based on trimming and constraints". In: *Advances in Data Analysis and Classification* 14.2 (2020), pp. 327-354. ISSN: 1862-5347. DOI: 10.1007/s11634-019-00371-w.
- [18] A. Cappozzo, F. Greselin, and T. B. Murphy. "Anomaly and Novelty detection for robust semi-supervised learning". In: *Statistics and Computing* 30.5 (2020), pp. 1545-1571. ISSN: 0960-3174. DOI: 10.1007/s11222-020-09959-1.

Monographs and refereed conference proceedings

- [1] L. Caldera, L. Cavinato, A. Cappozzo, I. Cama, S. Garbarino, A. Cirone, R. Lodi, et al. "DISARM: Disentangled Scanner-Free Image Generation via Unsupervised Image2Image Translation". In: *International Workshop on Machine Learning in Clinical Neuroimaging*. Springer, 2025, pp. 102-112.
- [2] L. Caldera, C. Masci, A. Cappozzo, M. Forlani, B. Antonelli, O. Leoni, and F. Ieva. "A Multilevel Logistic Cluster-Weighted Model for Assessing Hospital Impact in COVID-19 Heart Failure". In: *Statistics for Innovation II*. Ed. by E. di Bella, V. Gioia, C. Lagazio and S. Zaccarin. Cham: Springer Nature Switzerland, 2025, pp. 309-314. ISBN: 978-3-031-96303-2.
- [3] A. Cappozzo. "Learning from Multiple Annotators: An Ensemble Model-Based Classification Approach". In: *Methodological and Applied Statistics and Demography II*. Ed. by A. Pollice and P. Mariani. Cham: Springer Nature Switzerland, 2025, pp. 85-89. ISBN: 978-3-031-64350-7.
- [4] A. Casa and A. Cappozzo. "Penalized Model-Based Clustering for Covariance Matrices". In: *Statistics for Innovation I*. Ed. by E. di Bella, V. Gioia, C. Lagazio and S. Zaccarin. Cham: Springer Nature Switzerland, 2025, pp. 490-495. ISBN: 978-3-031-96736-8.
- [5] C. Masci, A. Cappozzo, F. Ieva, O. Leoni, M. Forlani, B. Antonelli, and A. M. Paganoni. "Model-Based Clustering of Nested Lifetime Data: Profiling COVID-19 Heart Failure Patients". In: *Methodological and Applied Statistics and Demography IV*. Ed. by A. Pollice and P. Mariani. Cham: Springer Nature Switzerland, 2025, pp. 240-245. ISBN: 978-3-031-64447-4.
- [6] A. Cappozzo, L. A. García-Escudero, F. Greselin, and A. Mayo-Isicar. "Monitoring Tools in Robust CWM for the Analysis of Crime Data". In: *Building Bridges between Soft and Statistical Methodologies for Data Science*. Ed. by L. A. García-Escudero, A. Gordaliza, A. Mayo, M. A. Lubiano Gomez, M. A. Gil, P. Grzegorzewski and O. Hryniewicz. Cham: Springer International Publishing, 2023, pp. 65-72. ISBN: 978-3-031-15509-3.
- [7] A. Cappozzo, C. Masci, F. Ieva, and A. M. Paganoni. "Model-based clustering of right-censored lifetime data with frailties and random covariates". In: *CLADAG 2023 BOOK OF ABSTRACTS AND SHORT PAPERS*. Ed. by C. Rampichini, M. L. Rocca, P. Coretto, G. Giordano and M. L. Parrella. Pearson Education Resources, 2023, pp. 91-94. ISBN: 9788891935632.
- [8] A. Casa, A. Cappozzo, and M. Fop. "Penalized Model-Based Clustering with Group-Dependent Shrinkage Estimation". In: *Building Bridges between Soft and Statistical Methodologies for Data Science*. Ed. by L. A. García-Escudero, A. Gordaliza,

- A. Mayo, M. A. Lubiano Gomez, M. A. Gil, P. Grzegorzewski and O. Hryniewicz. Cham: Springer International Publishing, 2023, pp. 73-78. ISBN: 978-3-031-15509-3.
- [9] A. Rossi, A. Cappozzo, and F. Ieva. "Does the Inflation Factor need tuning? Simulation-based adjustment for Outlier Detection via the Functional Boxplot". In: *Book of Short papers SIS 2023*. Milano: Pearson, 2023, pp. 1115-1159. ISBN: 9788891935618AAVV.
- [10] A. Cappozzo, F. Ieva, and G. Fiorito. "Mixed-effects high-dimensional multivariate regression via group-lasso regularization". In: *Book of Short Papers SIS 2022*. Pearson, 2022, pp. 652-657.
- [11] A. Casa, A. Cappozzo, and M. Fop. "Group-wise penalized estimation schemes in model-based clustering". In: *Book of Short Papers SIS 2022*. Pearson, 2022, pp. 534-539.
- [12] A. Cappozzo, A. Casa, and M. Fop. "Model-based clustering with sparse matrix mixture models". In: *CLADAG 2021 BOOK OF ABSTRACTS AND SHORT PAPERS*. Ed. by G. C. Porzio, C. Rampichini and C. Bocci. Firenze University Press, 2021, pp. 280-283. DOI: 10.36253/978-88-5518-340-6.
- [13] A. Cappozzo, A. Casa, and M. Fop. "Penalized model-based clustering for three-way data structures". In: *Book of Short Papers SIS 2021*. Pearson, 2021, pp. 758-763.
- [14] A. Cappozzo, L. Duponchel, F. Greselin, and T. B. Murphy. "Robust classification of spectroscopic data in agri-food: first analysis on the stability of results". In: *CLADAG 2021 BOOK OF ABSTRACTS AND SHORT PAPERS*. Ed. by G. C. Porzio, C. Rampichini and C. Bocci. Firenze University Press, 2021, pp. 49-52. DOI: 10.36253/978-88-5518-340-6.
- [15] A. Cappozzo, L. A. G. García Escudero, F. Greselin, and A. Mayo-Isca. "Exploring solutions via monitoring for cluster weighted robust models". In: *CLADAG 2021 BOOK OF ABSTRACTS AND SHORT PAPERS*. Ed. by G. C. Porzio, C. Rampichini and C. Bocci. Firenze University Press, 2021, pp. 284-287. DOI: 10.36253/978-88-5518-340-6.
- [16] A. Cappozzo and F. Greselin. "Monitoring tools for robust estimation of Cluster Weighted Models". In: *Book of Short Papers SIS 2021*. Pearson, 2021, pp. 1245-1250.
- [17] A. Cappozzo, F. Greselin, and T. B. Murphy. "Robust Model-Based Learning to Discover New Wheat Varieties and Discriminate Adulterated Kernels in X-Ray Images". In: *Statistical Learning and Modeling in Data Analysis*. Ed. by S. Balzano, G. C. Porzio, R. Salvatore, D. Vistocco and M. Vichi. Cham: Springer International Publishing, 2021, pp. 29-36. ISBN: 978-3-030-69944-4. DOI: 10.1007/978-3-030-69944-4_4.
- [18] F. Denti, A. Cappozzo, and F. Greselin. "Outlier and novelty detection for Functional data: a semiparametric Bayesian approach". In: *Book of Short Papers of the 5th international workshop on Models and Learning for Clustering and Classification*. Ledizioni, 2021, pp. 33-38.
- [19] A. Cappozzo, F. Greselin, and T. B. Murphy. "Variable selection for robust model-based learning from contaminated data". In: *Book of Short Papers SIS 2020*. Pearson, 2020, pp. 1117-1122.
- [20] F. Denti, A. Cappozzo, and F. Greselin. "Bayesian nonparametric adaptive classification with robust prior information". In: *Book of Short Papers SIS 2020*. Pearson, 2020, pp. 655-660.
- [21] A. Cappozzo and F. Greselin. "Detecting wine adulterations employing robust mixture of factor analyzers". In: *Statistical Learning of Complex Data*. Springer Berlin Heidelberg, 2019, pp. 13-21. ISBN: 978-3-030-21139-4. DOI: 10.1007/978-3-030-21140-0_2.
- [22] A. Cappozzo, F. Greselin, and G. Manzi. "Predicting and improving smart mobility: a robust model-based approach to the BikeMi BSS". In: *Smart Statistics for Smart Applications 2019 - Book of Short papers*. Milano: Pearson, 2019, pp. 737-742. ISBN: 9788891915108.
- [23] A. Cappozzo, F. Greselin, and T. B. Murphy. "Supervised learning in presence of outliers, label noise and unobserved classes". In: *Book of short papers | Cladag2019*. Centro Editoriale di Ateneo Università di Cassino e del Lazio Meridionale, 2019, pp. 104-107. ISBN: 978-88-8317-108-6.
- [24] A. Cappozzo, F. Ferraccioli, M. Stefanucci, and P. Secchi. "An object oriented approach to multimodal imaging data in neuroscience". In: *Studies in Neural Data Science : Startup Research 2017, Siena, Italy, June 25-27*. Vol. 257. Springer New York LLC, 2018, pp. 57-73. ISBN: 9783030000387. DOI: 10.1007/978-3-030-00039-4_4.
- [25] A. Cappozzo, F. Greselin, and T. B. Murphy. "Robust Updating Classification Rule with applications in Food Authenticity Studies". In: *Book of Short Papers SIS 2018*. Pearson, 2018, pp. 493-499. ISBN: 9788891910233.
- [26] A. Cappozzo, F. Greselin, and T. B. Murphy. "The role of trimming and variable selection in robust model-based classification for food authenticity studies". In: *COMPSTAT 2018 Book of Abstracts*. COMPSTAT and CRoNoS, 2018, pp. 35-35. ISBN: 978-9963-2227-3-5.
- [27] F. Greselin and A. Cappozzo. "Wine authenticity assessed via trimming". In: *Book of short papers | Cladag2017*. Mantova: Universitas Studiorum Srl, 2017. ISBN: 9788899459710.

Presentations

Invited

- 2025/9 **Scientific meeting CLADAG 2025**, University of Naples Federico II, Italy
- 2025/7 **Working Group on Model-Based Clustering**, Université Côte d'Azur, France
- 2025/6 **IES 2025 - Statistics and Data Science for Evaluation and Quality**, University of Padova, Italy
- 2024/6 **SIS 2024 - The 52nd Scientific Meeting of the Italian Statistical Society**, University of Bari Aldo Moro, Italy
- 2024/5 **I Seminario Internacional de Estadística Aplicada**, Universidad Nacional de San Agustín de Arequipa, Peru
- 2023/12 **CMStatistics 2023**, HTW Berlin, University of Applied Sciences, Germany
- 2023/9 **Scientific meeting CLADAG 2023**, University of Salerno, Italy
- 2022/12 **CMStatistics 2022**, Senate House University of London, United Kingdom
- 2022/9 **10th International Conference on Soft Methods in Probability and Statistics**, University of Valladolid, Spain
- 2022/7 **17th conference of the International Federation of Classification Societies**, University of Porto, Portugal
- 2021/9 **22nd European Young Statisticians Meeting**, virtual conference
- 2019/9 **Scientific meeting CLADAG 2019**, University of Cassino and Southern Lazio, Italy
- 2018/8 **COMPSTAT 2018**, Unirea Hotel, Iasi, Romania

Seminars

- 2025/9 **Statistics and Information Systems (SIS) seminar series**, Trinity College Dublin, Ireland
- 2025/3 **Department of Statistical Sciences seminar series**, Università Cattolica del Sacro Cuore, Italy
- 2025/2 **MU Maths-Stats Colloquium**, Maynooth University, Ireland
- 2024/11 **Brown Bag seminar series**, University of Milan, Italy
- 2024/3 **DAIS group seminar series**, Ca' Foscari University of Venice, Italy
- 2022/2 **Mox seminar series**, Politecnico di Milano, Italy
- 2021/5 **Mox seminar series**, Politecnico di Milano, Italy
- 2020/9 **IR-group meeting**, virtual seminar
- 2019/12 **Mock talk II**, University of Milano-Bicocca, Italy
- 2019/7 **Mock talk I**, University of Milano-Bicocca, Italy
- 2018/10 **Working Group on Statistical Learning**, University College Dublin, Ireland

Contributed

- 2023/6 **SIS 2023 - Statistical Learning, Sustainability and Impact Evaluation**, Università Politecnica delle Marche, Italy
- 2021/9 **Scientific meeting CLADAG 2021**, virtual conference
- 2021/6 **SIS 2021- 50th Meeting of the Italian statistical society**, virtual conference
- 2021/2 **e-CHIMIOMETRIE 2021**, virtual conference
- 2020/9 **MBC² Workshop on Models and Learning for Clustering and Classification**, virtual conference
- 2020/6 **e-Rum 2020**, virtual conference
- 2019/12 **CMStatistics 2019**, Senate House University of London, United Kingdom
- 2019/6 **Smart Statistics for Smart Applications - SIS conference**, Catholic University of the Sacred Heart, Italy
- 2017/9 **Scientific meeting CLADAG 2017**, University of Milano-Bicocca, Italy

Poster/software sessions

- 2024/7 **Working Group on Model-Based Clustering**, Bertinoro, Italy
- 2023/8 **ISCB2023 – International Society for Clinical Biostatistics**, University of Milano-Bicocca, Italy
- 2021/10 **Working Group on Model-Based Clustering**, Athens, Greece
- 2021/4 **International workshop on Spectroscopy and Chemometrics**, virtual conference
- 2021/1 **DS³ Data science summer school**, virtual conference
- 2020/7 **Young-ISA Twitter Poster Conference**, virtual conference
- 2019/7 **Working Group on Model-Based Clustering**, Wirtschaftsuniversität Wien, Austria
- 2018/9 **MBC² Workshop on Model-Based Clustering and Classification**, University of Catania, Italy

Summer Schools and Workshops

- 2018/4 **Robust Statistics: Foundations and Recent Developments**, University of Milano-Bicocca, Italy
- 2017/11 **Introduction to Functional Data Analysis**, Università degli Studi di Bergamo, Italy
- 2017/6 **Startup Research**, Certosa di Pontignano, Italy
- 2017/5 **International Summer School on Classification and Data Analysis**, University of Bologna, Italy

Awards

- 2023/9 **Young Researcher Paper Award**, CLADAG 2023, University of Salerno, Italy
- 2018/9 **Best poster presentation**, MBC² Workshop on Model-Based Clustering and Classification, Catania
- 2017/9 **Member of the third winning team**, Young CLADAG - Data science competition, Politecnico di Milano
- 2017/6 **Member of one of the four winning teams**, Stats Under the Stars 3 - Data science competition, University of Florence

Funding and Grants

2023/1 – Pres. **Research group member**, Enhance-Hearth: Provider Impact and Risk Stratification in Heart Failure. PI: Prof. F. Ieva
 2022/1 – 2024/2 **Research group member**, Health Big Data: Istituti Virtuali di Patologia della Rete Italiana degli IRCCS. PI: Prof. F. Ieva
 2021/4 – 2024/2 **Research group member**, Onco Platform: Evaluating Early Cancer Treatments with Real World Data. PI: Prof. F. Ieva
 2020/4 – 2021/3 **Research group member**, 2019-ATE-0076: Robust Semi-Supervised Classification for Big Data. PI: Prof. F. Greselin

Theses supervision

Bachelor's Theses

Advisor

Date	Student Name	Institution	Thesis topics
2024/12/18	Gabriele Minchillo	Università degli Studi di Milano	Supervised learning, Illegal transaction detection
2024/10/20	Julia Mavi Mikaela Hekanaho	Università degli Studi di Milano	Survey data, Linear regression

Master's Theses

Advisor

Date	Student Name	Institution	Thesis topics
2024/07/15	Alessandro Diamanti	Politecnico di Milano	Biclustering, Dimensionality reduction, Omics Data
2024/04/10	Elisa Borrini	Politecnico di Milano	Model-based clustering, Penalized estimation, Covariance objects
2024/04/10	Francesca Salvatore	Politecnico di Milano	Multitask learning, Mixed-effects models, Penalized estimation
2023/10/4	Mirko Luigi Carlesso	Politecnico di Milano	Basketball analytics, Tree-based methods, Geostatistics
2023/10/4	Davide Zaltieri, Luca Panzeri	Politecnico di Milano	Robust statistics, Model-based clustering
2023/10/4	Giulia Montani	Politecnico di Milano	Model-based classification, Noisy labels, Ensemble learning
2023/05/10	Annachiara Rossi	Politecnico di Milano	Robust statistics, Functional Data Analysis
2022/12/20	Anna Iob	Politecnico di Milano	Text mining, Personalized medicine

Co-Advisor

Date	Student Name	Institution	Thesis topics
2024/07/16	Alessio Frezza	Politecnico di Milano	Mixed-effects models, Multilevel logistic cluster-weighted model
2024/04/10	Greta Camplese	Politecnico di Milano	Mixed-effects models, Multilevel logistic cluster-weighted model
2023/12/22	Lorenzo Angiolini	Politecnico di Milano	Survival Analysis, Frailty models, Model-based clustering
2023/10/4	Luca Caldera	Politecnico di Milano	Mixed-effects models, Multilevel logistic cluster-weighted model

Service to profession

Referee service

Advances in Data Analysis and Classification, Analytica Chimica Acta, Australian & New Zealand Journal of Statistics, Biometrics, BMC Bioinformatics, Bioinformatics, Computational Statistics, Computational Statistics and Data Analysis, IEEE Journal of Biomedical and Health Informatics, IEEE Transactions on Knowledge and Data Engineering, Journal of Computational and Graphical Statistics, Journal of Computational Science, Knowledge and Information Systems, Machine Learning, Metron, Scientific reports, Statistical Methods & Applications, Statistical Modelling, Statistics and Computing, Statistics in Medicine, Risk Analysis.

Organization of Scientific Events

2026/7 Session organizer: **Advances in Learning from Complex Contaminated Data**, IFCS 2026, University of Milano-Bicocca, Italy
 2026/7 Member of the Local Organizing Committee of the **IFCS 2026 conference**, University of Milano-Bicocca, Italy
 2024/9 Session organizer: **Advances in Robust Methodologies**, ECDA 2024, University of Gdańsk, Poland

Juries and External Evaluator of Doctoral Students

2025/4 PhD Evaluation Committee, **Statistical Sciences**, Cycles: XXXVII, University of Bologna, Italy
 2025/1 PhD Evaluation Committee, **Analytics for Economics and Management**, Cycles: XXXVI-XXXVII, University of Brescia, Italy

Membership

Italian Statistical Society

Computer skills

R (advanced), Latex (advanced), Quarto (advanced), Bash (intermediate), C++ (intermediate), Git (intermediate), Python (intermediate), Mathematica (basic), Matlab (basic), Julia (basic), SQL (basic).

Languages

Italian (mother tongue), English (proficient), Spanish (good knowledge)