

PERSONAL INFORMATION Michele Lambardi di San Miniato [ORCID 0000-0003-2423-4250](https://orcid.org/0000-0003-2423-4250)**RESEARCH EXPERIENCE****2023–2024 Research Fellow**

Department of Economics and Statistics, University of Udine, Italy

Research supervisor: Professor Michela Battauz

Project: "Statistical methods for the analysis of complex data, with applications in economic, industrial and social settings"

2022–2023 Research Fellow

Department of Economics and Statistics, University of Udine, Italy

Research supervisor: Professor Ruggero Bellio

Project: "Statistical methods for the analysis of high-dimensional data, with application to technological and industrial settings"

2021–2022 Research Fellow

Department of Economics and Statistics, University of Udine, Italy

Research supervisor: Professor Paolo Vidoni

Project: "Streamlined statistical methods for high-dimensional data, with applications to data analysis in industry"

2021–2021 Research Assistant

Department of Mathematics, Computer Science and Physics, University of Udine, Italy

Research supervisor: Professor Angelo Montanari

Project: "Spatio-temporal data analysis for sensor data, with advanced statistical techniques"

TEACHING EXPERIENCE**2021–2024 Teaching Assistant**

Department of Economics and Statistics, University of Udine, Italy

Titular: Professor Michela Battauz

Statistics class for Bachelor's degree students in economics and business administration

Total 12 hours per year, 2nd semester

2023–2023 Teaching Assistant Senior

Department of Management, Ca' Foscari University, Venezia, Italy

Titular: Professor Federica Giummole'

Probability and statistics class for Bachelor's degree students in Digital Management

Total 30 hours per year, 3rd term

2022–2022 Teaching Assistant

Department of Economics and Statistics, University of Udine, Italy

Titular: Professor Laura Pagani

Pre-course in statistics for Master's degree students in International Marketing Management and Organization

Total 12 hours per year, 1st semester

2023–2023 Professor on contract

Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University, Venezia, Italy

Short course in statistics and programming "From data to knowledge" within the Minor in Computer and Data Science

Total 30 hours per year, summer course

CONFERENCE PARTICIPATION**18–22/07/2022 36th International Workshop on Statistical Modelling**

University of Trieste, Italy

Contributed talk on "Robust regression and adaptive filtering" [5]

Speaker: Michele Lambardi di San Miniato; jointly with: Ruggero Bellio, Luca Grassetto, Paolo Vidoni

22–24/06/2022 51st Scientific Meeting of the Italian Statistical Society

Università degli Studi della Campania "Luigi Vanvitelli", Caserta, Italy

Contributed talk on "Adaptive filters and time-varying parameters" [7]

Speaker: Michele Lambardi di San Miniato; jointly with: Ruggero Bellio, Luca Grassetto, Paolo Vidoni

Canceled due to COVID-19

17–21/07/2023 37th International Workshop on Statistical Modelling

Technical University of Dortmund, Germany

Contributed talk on "On prediction with equal-tailed intervals with an application to sensor data analytics" [3]

Speaker: Michele Lambardi di San Miniato; jointly with: Ruggero Bellio, Luca Grassetto, Paolo Vidoni

11–13/09/2023 14th Scientific Meeting of the Classification and Data Analysis Group (ClADAG) of the Italian Statistical Society

University of Salerno, Italy

Contributed talk on "Bayesian aggregation of crowd judgments for quantitative fact checking" [2]

Speaker: Michele Lambardi di San Miniato; jointly with: Michela Battauz, Ruggero Bellio, Paolo Vidoni

EDUCATION AND TRAINING**2017–2021 Ph.D of Statistical Sciences [10]**

Department of Statistical Sciences, University of Padova, Italy

Research supervisor: Professor Nicola Sartori

2019–2020 International Visiting Graduate Student

Department of Statistical Sciences, University of Toronto, Canada

Research supervisors: Professors Nicola Sartori and Nancy Reid

2013–2017 Master's degree of Statistical Sciences

Department of Statistical Sciences, University of Padova, Italy

Thesis supervisor: Professor Nicola Sartori

2010–2013 **Bachelor's degree of Mathematical Statistics and Data Management**

Department of Mathematics, University of Genova, Italy

Thesis supervisors: Professors Eva Riccomagno and Maria Piera Rogantin

PUBLICATIONS

- [1] A. Massarutto, L. Grassetto, M. Lambardi di San Miniato, and M. Moletta. "Efficient firms are all alike, but every inefficient firm is such in its own way: Heterogeneity of costs determinants in the Italian water sector". In: *Utilities Policy* 84 (2023). [hdl:11390/1256624](https://doi.org/10.1016/j.uipol.2023.101646), p. 101646.
- [2] M. Lambardi di San Miniato, M. Battauz, R. Bellio, and P. Vidoni. "Bayesian aggregation of crowd judgments for quantitative fact checking". In: *Proceedings of the 14th Scientific Meeting of the Classification and Data Analysis Group (ClADAG) of the Italian Statistical Society*. [hdl:11390/1259465](https://doi.org/10.1016/j.procs.2023.1259465). Salerno, Italy: Pearson, 2023.
- [3] M. Lambardi di San Miniato, R. Bellio, L. Grassetto, and P. Vidoni. "On prediction with equal-tailed intervals with an application to sensor data analytics". In: *Proceedings of the 37th International Workshop on Statistical Modelling*. [hdl:11390/1258226](https://doi.org/10.1016/j.procs.2023.1258226). Dortmund, Germany: TU Dortmund University, 2023, pp. 193–198.
- [4] M. Lambardi di San Miniato. *Bias-Reduced Estimation of Mean Absolute Deviation Around the Median*. SSRN Electronic Journal. [hdl:11390/1269645](https://doi.org/10.1016/j.ssrn.2022.1269645). 2022.
- [5] M. Lambardi di San Miniato, R. Bellio, L. Grassetto, and P. Vidoni. "Robust regression and adaptive filtering". In: *Proceedings of the 36th International Workshop on Statistical Modelling*. [hdl:11390/1229785](https://doi.org/10.1016/j.procs.2022.1229785). Trieste, Italy: Edizioni Università di Trieste, 2022.
- [6] M. Lambardi di San Miniato, R. Bellio, L. Grassetto, and P. Vidoni. "Separable spatio-temporal kriging for fast virtual sensing". In: *Applied Stochastic Models in Business and Industry* 38.5 (2022). [hdl:11390/1229744](https://doi.org/10.1016/j.asmbi.2022.1229744), pp. 806–829.
- [7] M. Lambardi di San Miniato, R. Bellio, L. Grassetto, and P. Vidoni. "Adaptive filters for time-varying correlation parameters". In: *Proceedings of the 51st Scientific Meeting of the Italian Statistical Society*. [hdl:11390/1229784](https://doi.org/10.1016/j.procs.2022.1229784). Caserta, Italy: Pearson, 2022.
- [8] M. Lambardi di San Miniato and E.C. Kenne-Pagui. *Scalable random number generation for truncated log-concave distributions*. arXiv preprints. [hdl:11577/3503823](https://doi.org/10.1101/3503823). 2022.
- [9] M. Lambardi di San Miniato and N. Sartori. *Adjusted composite likelihood for robust Bayesian meta-analysis*. arXiv preprints. [hdl:11577/3503824](https://doi.org/10.1101/3503824). 2021.
- [10] M. Lambardi di San Miniato and N. Sartori. "Adjusting for nuisance parameters when all parameters are of interest". [hdl:11577/3500266](https://doi.org/10.1101/3500266). PhD thesis. Department of Statistical Sciences, University of Padova, Italy, 2021.

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
First Certificate of English (FCE) B2					

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](https://www.europecollege.edu/cefr/)

Digital competences

SELF-ASSESSMENT				
Information Processing	Communication	Content creation	Safety	Problem solving
Proficient user	Independent user	Proficient user	Independent user	Independent user

[Digital competences - Self-assessment grid](#)

- Computer skills**
- Operating systems I'm familiar with: Microsoft Windows, Linux-based systems like Ubuntu, Debian, OpenSuse
 - Hardware I'm familiar with: Raspberry Pi, Arduino
 - Programming languages I'm familiar with R, SAS, C, C++, Python, Java
 - GUI programming with R's shiny
 - Bayesian statistics with Stan, WinBUGS, OpenBUGS, JAGS
 - Data acquisition with MQTT, shell scripting, R's rvest
 - Basic text, presentation, spreadsheet editing with: Microsoft Office (LibreOffice) Word (Writer), Excel (Calc), Powerpoint (Impress)
 - LaTeX editing with: TeXstudio, Overleaf
 - Microsoft Teams, Zoom
 - Basic networking with VNC, SSH, R's socket clusters
 - Version control with GitHub, Microsoft Office Word, Overleaf
 - HTML, CSS
 - Database handling with Microsoft Office Access, (PostGre)SQL, MySQL, R's RSQLite
 - Code parallelization, GPU computing with: R's parallel, pbapply, gpuR

Driving licence B