LUCA PRESICCE
Curriculum Vitae

Department of Economics, Management and Statistics
University of Milano–Bicocca
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Current Position

Ph.D. Student in Statistics, *University of Milano–Bicocca*, Milan, Italy.
Supervisor: *Prof. Tommaso Rigon*

Visiting Researcher, *University of California Los Angeles*, Los Angeles, California.
Supervisor: *Prof. Sudipto Banerjee*

Research Interest

Spatial Analysis, Bayesian Statistics, Spatiotemporal Modeling, Bayesian Transfer Learning, Multivariate Analysis, Large-Scale Data, Statistical Learning, GeoAI, Computational Statistics.

Education

2021–present	**Ph.D. in Statistics**,	
	University of Milano–Bicocca, Milan, Italy.	

2019–2021 :	**M.Sc. in Statistical & Economics Sciences**,
	University of Milano–Bicocca, Milan, Italy.
Thesis:	Models for spatial network data with measurement error in covariates: a Bayesian approach with INLA for road accidents
Grade :	110/110 cum laude

2016–2019 :	**B.Sc. in Statistical Sciences**,
	Alma Mater Studiorum - University of Bologna, Bologna, Italy.
Thesis:	Structural models for the analysis of Italian employment rate
Grade :	110/110 cum laude

Publications

Journal Articles

2023 Andrea Gilardi, Riccardo Borgoni, **Luca Presicce**, and Jorge Mateu. *Measurement error models for spatial network lattice data: Analysis of car crashes in Leeds*. **Journal of the Royal Statistical Society Series A: Statistics in Society**, volume 186, pages 313–334, 04 2023.

Submitted and Working papers

2026+ **Luca Presicce** and Federico Castelletti. *Uncovering Dependences in Distributed Multivariate Models via Bayesian Graphical Learning*. **In preparation**, 2026+.

2025 **Luca Presicce** and Sudipto Banerjee. *Variational Spatiotemporal Propagation for Multivariate Bayesian Dynamic Learning*. **In preparation**, 2025.

2025 **Luca Presicce** and Sudipto Banerjee. *Adaptive Markovian Spatiotemporal Transfer Learning in Multivariate Bayesian Modeling*. **In preparation**, 2025.

2024 **Luca Presicce** and Sudipto Banerjee. *Bayesian Transfer Learning for Artificially Intelligent Geospatial Systems: A Predictive Stacking Approach*. **arXiv preprint**. (under review), 2024.

Publications in monographs, volumes, and discussions

2025   **Luca Presicce** and Sudipto Banerjee. *Bayesian meta-learning approach for feasible large spatial analysis*, pages 442–448. **Methodological and Applied Statistics and Demography IV**, 2025.

2025   **Luca Presicce** and Sudipto Banerjee. *Variational Propagation for Exact Spatiotemporal Dynamic Modeling*. In Enrico di Bella, Vincenzo Gioia, Corrado Lagazio, and Susanna Zaccarin, editors, *Springer*, pages 61–67. **Statistics for Innovation IV**, 2025.

2025   **Luca Presicce**. *Enhancing Bayesian Distributed Learning with Spatially Adjusted Predictive Distributions*. In Enrico di Bella, Vincenzo Gioia, Corrado Lagazio, and Susanna Zaccarin, editors, *Springer*, pages 220–226. **Statistics for Innovation IV**, 2025.

National Conference Proceedings

2024   **Luca Presicce**, Tommaso Rigon, and Emanuele Aliverti. *Bias-reduction methods for Poisson regression models*. In **SIS 2023 book of the short papers**, pages 908–912. Pearson, 2024.

2022   Andrea Gilardi, Riccardo Borgoni, **Luca Presicce**, and Jorge Mateu. *Measurement error models on spatial network lattices: car crashes in Leeds*. In **CLADAG 2021 book of abstracts and short papers**, pages 348–351. Pearson, 2022.

Awards

Data Competition

June 2023 :   **Best Objective Prediction**, *Stats under the Stars 6*, Ancona, Italy.

Travel Awards

March 2023 :   **Travel award**, *Bayes Comp*, Levi, Finland.

July 2024 :   **Travel award**, *ISBA World meeting*, Venice, Italy.

Funding and Grants

Presentations

Invited Presentations

June 2025:   **SIS 2025**, *Genova*, Italy.

June 2026:   **ISBA 2026**, *Nagoya*, Japan.

Contributed Presentations

June 2023:   **SIS 2023**, *Ancona*, Italy.

June 2024:   **SIS 2024**, *Bari*, Italy.

April 2025:   **BAYSM 2025**, *Online*.

June 2025:   **SIS 2025**, *Genova*, Italy.

Poster Presentations

June 2022:   **ISBA World meeting**, *Montréal*, Canada.

March 2023:   **Bayes Comp**, *Levi*, Finland.

June 2023:   **SIS 2023**, *Ancona*, Italy.

June 2024:   **BAYSM 2024**, *Venice*, Italy.

July 2024:   **ISBA World meeting**, *Venice*, Italy.

May 2025:   **BISP**, *Milan*, Italy.

Sept 2025:	**SISBayes**, *Padua*, Italy.
Sept 2025:	**GRASPA**, *Rome*, Italy.

Service to Profession

Referee service

Annals of Applied Statistics (AoAS) · **Spatial statistics (SPASTA)**.

Position in Academic Societies

2019–2021	**Students representative of the MSc in Statistical & Economics Sciences (LM-82)**, *Department of Economics, Management and Statistics* , University of Milano–Bicocca.

Membership

2021 – present	**International Society for Bayesian Analysis (ISBA)** · **The junior section of the International Society for Bayesian Analysis (j–ISBA)** · **Institute of Mathematical Statistics** · **Società Italiana Statistica (SIS)** · **young SIS (y-SIS)** .

Teaching Experience

As Teaching Assistant

November 2021 – October 2023:	**Statistics II - Tutor & Lecture activities**, *B.Sc. in Statistical & Economics Sciences*, University of Milano–Bicocca.
January 2025 – September 2025:	**Statistical Learning - Tutor & Lecture activities**, *M.Sc. in Data analytics for business*, University Cattolica del Sacro Cuore.
September 2025 – present:	**Statistics I - Tutor & Lecture activities**, *B.Sc. in Economics*, University Cattolica del Sacro Cuore.

As Lecturer

January 2022 – September 2025:	**PLS - Scientific Degree Plan - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.
January 2023 – Spetember 2025:	**PNRR - Orientation Program - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.

Working Experience

May – August 2021:	**Data Scientist**, *Elmec Informatica Spa*, Research in AI for IT security , Brunello (VA).
July – July 2019:	**Data Analyst**, *Rapelli SA*, Analysis on production, sales and quality control, Stabio (CH).
June – August 2018:	**Corporate Analyst**, *REMAX Altoverbano*, Business analysis, Germignaga (VA).

Summer Schools and Workshops

Schools

2022	**Lake Como school of advanced studies**, ***RSFD - Robust Statistics: Foundations and recent Developments***, Como, May 2–6, 2022.

Workshops

2023 **Workshop at Collegio carlo Alberto**,
Club-PMx^2 - *CLUstering: Bayesian Partition Models for Precise Medicine*, Torino, February 24, 2023.

2023 **Workshop at Bocconi University**,
Theory for Scalable, Modern Statistical Methods, Milano, April 5–7, 2023.

2024 **Workshop at USI**,
Satellite workshop to ISBA World meeting, Lugano, June 25–28, 2024.