

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

2021–2026 : **Ph.D. in Statistics**,
University of Milano–Bicocca, Milan, Italy.
Expected 02/2026

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+.

2026+ **Luca Presicce** and Sudipto Banerjee. *Variational Spatiotemporal Propagation for Multivariate Bayesian Dynamic Learning*. **In preparation**, 2026+.

2026+ **Luca Presicce** and Sudipto Banerjee. *Adaptive Markovian Spatiotemporal Transfer Learning in Multivariate Bayesian Modeling*. **arXiv preprint**. (under review), 2026+.

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

Team member of the research group, in the *Milano–Bicocca local unit of the PRIN-PNRR grant "Measuring Biodiversity via Bayesian Nonparametrics: Estimation, Clustering and Uncertainty Quantification"* funded by MIUR., Local PI: Federico Camerlenghi, PI: Igor Prünster.

Presentations

Invited Seminars

May 2025: **Karlsruhe Institute of Technology**, Karlsruhe, Germany.

February 2026: **John Hopkins University**, Online.

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 – **International Society for Bayesian Analysis (ISBA)** · **The junior section of the International**
present **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 **Statistics II - Tutor & Lecture activities**, *B.Sc. in Statistical & Economics Sciences*, University
– October 2023: of Milano–Bicocca.
January 2025 – **Statistical Learning - Tutor & Lecture activities**, *M.Sc. in Data analytics for business*,
September Catholic University of Sacred Heart.
2025:
September 2025 **Statistics I - Tutor & Lecture activities**, *B.Sc. in Economics*, Catholic University of Sacred
– February 2026: Heart.

As Lecturer

- September 2021 **PLS - Scientific Degree Plan - Lectures & Laboratory**, *High schools*, University of Milano–
– September Bicocca.
2025:
January 2023 – **PNRR - Orientation Program - Lectures & Laboratory**, *High schools*, University of Milano–
September Bicocca.
2025:

Working Experience

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

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-PMx² - 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.