

### 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

2025+ **Luca Presicce** and Federico Castelletti. *Uncovering Dependences in Distributed Multivariate Models via Bayesian Graphical Learning.* **In preparation**, 2025+.

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.

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### 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.

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### 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.

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### 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.

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## 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)** .

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## 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:

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## 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 **Corporate Analyst**, *REMAX Altoverbano*, Business analysis, Germignaga (VA).  
2018:

## 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<sup>2</sup> - 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.