

### 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

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. *Adaptive Markovian Spatiotemporal Propagation in Multivariate Bayesian Geostatistical Modeling*. **In preparation**, 2025+.

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

### 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.

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## 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 – present: **Statistical Learning - Tutor & Lecture activities**, *M.Sc. in Data analytics for business*, University Cattolica del Sacro Cuore.

### As Lecturer

- February – May 2022: **PLS - Scientific Degree Plan - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.
- March – May 2022: **PLS - Scientific Degree Plan - Laboratory**, *High schools*, University of Milano–Bicocca.
- June – July 2022: **PLS - Scientific Degree Plan - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.
- January – March 2023: **PLS - Scientific Degree Plan - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.
- February – May 2023: **PLS - Scientific Degree Plan - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.
- February – March 2023: **PNRR - Orientation Program - Lectures & Laboratory**, *High schools*, University of Milano–Bicocca.

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## 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).

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## Service to Profession

### 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

**International Society for Bayesian Analysis (ISBA)**; The junior section of the **International Society for Bayesian Analysis (j-ISBA)**; **Società Italiana Statistica (SIS)**; young **SIS (y-SIS)** .

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## 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-PM<sub>x</sub><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.