

# LUCA PRESICCE

## Curriculum Vitae

Department of Economics, Management and Statistics

University of Milano–Bicocca

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🌐 lucapresicce.github.io

### 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.

## 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 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*, Catholic University of Sacred Heart.

- September 2025 – February 2026: **Statistics I - Tutor & Lecture activities**, *B.Sc. in Economics*, Catholic University of Sacred Heart.

### As Lecturer

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

- January 2023 – September 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).

2021:

- 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<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.