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

2025+   **Luca Presicce**, Laura Ferrini, 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+.

2025+   **Luca Presicce**. *Enhancing Bayesian Distributed Learning with Spatially Adjusted Predictive Distributions*. **In preparation**, 2025+.

2025+   **Luca Presicce**. *Variational Propagation for Exact Spatiotemporal Dynamic 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.

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.

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.

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 – AMarch 2023: **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).

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) .

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.