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 Statistics, Bayesian Statistics, Bayesian Transfer Learning, Multivariate Analysis, Large-Scale Data, Statistical Learning, GeoAI.

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

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

In Conference Proceedings

2024 **Luca Presicce** and Sudipto Banerjee. *Bayesian meta-learning approach for feasible large spatial analysis*. In **SIS 2024 book of the short papers**. Pearson, 2024.

2024 **Luca Presicce** and Sudipto Banerjee. *Accelerated meta-kriging for massive spatial datasets*. In **BAYSM: International Conference on Bayesian Statistics in Action**. Pearson, 2024.

2023 **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, 2023.

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

Contributed Presentations

June 2023: **SIS 2023**, *Ancona*, Italy.

June 2024: **SIS 2024**, *Bari*, 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.

Teaching Experience

As Teaching Assistant

November 2021 – October 2023: **Statistics II** - **Tutor & Lecture activities**, *B.Sc. in Statistical & Economics Sciences*, University of Milano–Bicocca.

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.