

Education

- 2021–present **PhD student in Statistics**, *University of Milano - Bicocca*, Milan, Italy.
Field of study: Bayesian Nonparametric Statistics and Computational Statistics
- 2018–2020 **Master of Statistical and Economic Sciences**, *University of Milano - Bicocca*, Milan, Italy.
- 2015–2018 **Bachelor of Statistics and Management of Information**, *University of Milano - Bicocca*, Milan, Italy.

Visiting Periods

- 2023–2024 **University of Nottingham, UK**, 1st October 2023 - 1st April 2024.

Publications

Journal Articles

- 2022 Riccardo Corradin, **Luca Danese**, and Andrea Ongaro. Bayesian nonparametric change point detection for multivariate time series with missing observations. *International Journal of Approximate Reasoning*, volume 143, pages 26–43, 2022.

Submitted and working papers

- 2024 Riccardo Corradin, **Luca Danese**, Wasiur R. KhudaBukhsh, and Andrea Ongaro. Model-based clustering of time-dependent observations with common structural changes, 2024. arXiv:2410.09552.

Conference proceedings

- 2023 Riccardo Corradin, **Luca Danese**, Wasiur KhudaBukhsh, and Andrea Ongaro. Model-based clustering of non-stationary time series with common historical change times. *Book of short papers SIS 2023*, Pearson, pp. 1139–1144, ISBN 9788891935618AAVV, 2023.

Teaching Experience

Teaching Assistant

- 2024/2025 **Statistics, Medicine and Biomedical Engineering**, Politecnico di Milano.
- 2024/2025 **Probability and statistical inference**, *B.Sc. in Artificial Intelligence*, University of Milano-Bicocca.
- 2022/2023 **Multivariate Statistical Analysis**, *B.Sc. in Statistical and Economic Sciences*, University of Milano-Bicocca.
- 2021/2022 **Quantitative Methods for Economy, Finance and Management - Tutor and Lecture activities**, *M.Sc. in Business Economics*, LIUC - Università Cattaneo.

Lecturer

- 2023 **PLS 2023 - "Primi passi di Data Science. La statistica come strumento per la classificazione"**, *University of Milano-Bicocca*.
- 2022 **PLS 2022 - "Primi passi di Data Science. Un hackathon per risolvere un problema padroneggiando la Statistica"**, *High Schools*, University of Milano-Bicocca.

- 2020 **PLS 2020** - "Come va il mondo? La risposta dei numeri", *High Schools*, University of Milano-Bicocca.
- 2019 **PLS 2019** - "La visione del mondo basata sui fatti", *High Schools*, University of Milano-Bicocca, Milan, Italy.

Presentations

Invited presentations

- 2024 **CFE-CMStatistics 2024**, *King's college, London (UK)*, Model based clustering of time-dependent observations with common historical shocks.

Seminars

- 2024 **University of Nottingham**, *PhD Seminars*, Model-based clustering of time-dependent objects with common changes in time.

Contributed talks/Poster presentations

- 2024 **ISBA World Meeting 2024**, *Venice, Italy*, Model-based clustering of time-dependent observations with common historical shocks.
- 2023 **ICSDS 2023**, *Lisbon, Portugal*, Model-based clustering of pandemic trajectories with common historical changes in time.
- 2023 **SIS 2023**, *Ancona, Italy*, Model-based clustering of non-stationary time series with common historical change times.
- 2023 **Bayes Comp 2023**, *Levi, Finland*, Model-based clustering of non-stationary time series with common historical change times.
- 2022 **ISBA World Meeting 2022**, *Montreal, Canada*, Bayesian nonparametric change point detection for multivariate time series with missing observations.

Software

Author and maintainer, [BayesChange](#): Bayesian Methods for Change Points Analysis.

Awards

Travel awards

- 2023 **Travel award (200\$)**, *Bayes Comp 2023 conference, Levi, Finland*.

Research project grants

Local unit team member, *Department of Economics, Management and Statistics, University of Milano-Bicocca*, PRIN 2022 PNRR project *Measuring Biodiversity via Bayesian Nonparametrics: Estimation, Clustering and Uncertainty Quantification* funded by MUR. Local coordinator Prof. Federico Camerlenghi. National coordinator Prof. Igor Prünster.

Experiences

- 2023 **Workshop on Theory for Scalable, Modern, Statistical Methods**, *Bocconi University, Milan, Italy*, Aprile 5th - 7th 2023.
- 2022 **Lake Como School of Advanced Studies**, *Como, Italy*, May 2nd - 6th 2022.
RSFD - Robust Statistics: Foundations and recent Developments

Computer skills

Programming Languages R, Python, Sas, SQL, C++

Operative System Microsoft Winows, MAC OS, iOS