

LAURA FERRINI

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ACADEMIC POSITIONS AND EDUCATION

PhD candidate in Statistics

November 2024 - present

Department of Economics, Statistics and Management (DEMS) | Università degli Studi di Milano-Bicocca, Milan

Post-graduate research contract

Jan 2024 - July 2024

Department of Statistical Sciences, Università Cattolica del Sacro Cuore

M.Sc. in Statistical Sciences (110/ 110 cum laude)

Sep 2021 - Dec 2023

Degree program in *Data analytics for business* | Università Cattolica del Sacro Cuore (UCSC), Milan

Thesis: “Causal inference from observational studies: a graphical model perspective”, supervised by Federico Castelletti.

B.Sc. in Economics and Management (110/ 110 cum laude)

Sep 2018 - Sep 2021

Degree program in *Economics and Management of the arts* | Università Cattolica del Sacro Cuore (UCSC), Milan

Thesis: “Sentiment Analysis: an application with R. Comparison of ‘1984’ and ‘Animal Farm’ by George Orwell”, supervised by Gabriele Cantaluppi

PUBLICATIONS

- Castelletti F., **Ferrini L.**, Peluso S., (20**), Bayesian target discovery from categorical networks, *Submitted*.
- **Ferrini L.**, Castelletti F., (20**) Graphical model-based clustering of multivariate categorical data, *Submitted*.
- Castelletti F., **Ferrini L.** (2026), Bayesian nonparametric mixtures for personalized causal inference, *to appear in Biostatistics*.

TEACHING ACTIVITY

- Tutoring for the course of **Statistical Inference** | M.Sc. Data analytics for Business at UCSC | A.Y. 2024/2025, 2025/2026
- Teaching assistant for the course of **Bayesian Modelling** | M.Sc. Data analytics for Business at UCSC | A.Y. 2023/2024
- Teaching assistant for the course of **Statistical Modelling** | M.Sc. Economics at UCSC | A.Y. 2023/2024
- Tutor for the Master of **Data Science for Management** | UCSC | A.Y. 2023/2024

AWARDS

- September 2025: Best Poster Award, SIS-Bayes (Italian Statistical Society). Poster title: *Bayesian target discovery from categorical networks*.
- June 2024: Best master thesis, awarded by the Italian Statistical Society (SIS).
- 2022/2023: I was awarded a **scholarship for excellence** by Università Cattolica del Sacro Cuore and Istituto Toniolo.

CONFERENCES

- **ISBA 2026, BNP 2025**. Poster presentation, title: *Graphical model-based clustering of multivariate categorical data*.
- **SIS-Bayes 2025**. Poster presentation, title: *Bayesian target discovery from categorical networks*.
- **SIS 2025, StaTalk 2025**. Invited talk, title: *Graphical model-based clustering of multivariate categorical data*.