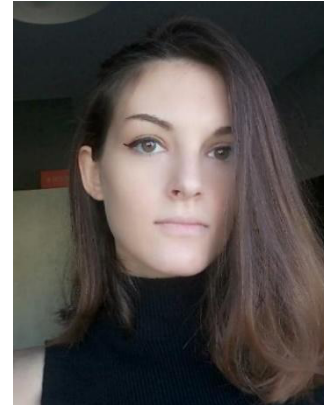


LUISA FERRARI

CURRICULUM VITAE



Personal Information

Phone Number | +39 338 929 2807
Date of Birth | 21/07/1998
Citizenship | Italy
Email Address | luisa.ferrari5@unibo.it

Education

Nov. 2021 – Mar. 2025 | **PhD in Statistical Sciences**
University of Bologna, Italy
Thesis: Variance Partitioning Priors for Latent Gaussian Models

Sept. 2020 – Oct. 2021 | **MSc in Data Science**
University College London, UK
Distinction - MSc Prize: Outstanding Overall Performance

Sept. 2017 – Mar. 2020 | **BSc in Economics and Management**
Università degli Studi di Milano, Italy
Final Grade: **110/110 cum Laude**

Work Experience

Aug. 2024 - present | **Researcher for the PRIN 2022 project [META2](#)**
Supervisor: Prof. Maria Franco-Villoria
University of Modena & Reggio Emilia, Italy

Feb. - Apr. 2025 | **Lecturer: Crash course in Statistics**
Master in Tourism Economics and Management (LM-56)
University of Bologna, Italy

Mar. 2023 - present | **Tutor in Statistics for the BSc in Economics of Tourism**
University of Bologna, Italy

Jan. – Jul. 2018 | **Telemarketer, HR Recruiters' Assistant**
IQM Selezione Srl, Milan, Italy
Human Resources and Recruitment

Publications

1. Ferrari, L., & Ventrucci, M. (2025). **A Standardization Procedure to Incorporate Variance Partitioning Based Priors in Latent Gaussian Models** [Preprint]. [arXiv:2501.16057](https://arxiv.org/abs/2501.16057). R package: [scaleGMRF](#)

2. Ferrari, L., Manzi, G., Micheletti, A., Nicolussi, F., & Salini, S. (2024). **Pandemic data quality modelling: a Bayesian approach in the Italian case.** *Quality & Quantity*, 1-23.
3. Ferrari, L., & Ventrucci, M. (2024). **Variance partitioning-based priors for species distribution models.** *Proceedings of the 38th International Workshop on Statistical Modelling* (pp. 116-121).
4. Ferrari, L., Ventrucci, M., & Alex, L. (2023). **Application of the hierarchical variance decomposition approach to an ecological case study with mixed effects.** *Proceedings of the GRASPA 2023 Conference* (pp. 1-6).
5. Ferrari, L., Gerardi, G., Manzi, G., Micheletti, A., Nicolussi, F., Biganzoli, E., & Salini, S. (2021). **Modeling provincial COVID-19 epidemic data using an adjusted time-dependent SIRD model.** *International journal of environmental research and public health*, 18(12), 6563.

Conference Participation

- Invited talk at CFE-CMStatistics 2024 - King's College London, UK
- Contributed talk at IWSM 2024 - Durham, UK
- Poster at ISBA 2024 - Venezia, Italy
- Invited talk at META2 WORKSHOP - Rimini, Italy
- Poster at StaTalk 2024 - Firenze, Italy
- Invited talk at CMStatistics 2023 - Berlin, Germany
- Poster at GRASPA 2023 - Palermo, Italy

Further Activities

Sep. - Dec. 2023	Visiting period at Brigham Young University, US Supervisor: Prof. Garritt Page
11-16 June 2023	ABS Summer School: Bayesian Causal Inference DISIA, University of Firenze, Italy
Nov. 2020 - May 2021	Dissertation/Research Project & Academic Writing Course Academic Communication Center, University College London, UK

Additional Skills

- | | |
|------------------------------------|---|
| ■ English: C2 (Cambridge CAE) | ■ R (Markdown, Shiny, INLA, package design) |
| ■ Italian: mother tongue | ■ Python |
| ■ Spanish: B1 (Certificaciòn DELE) | ■ Bugs |
| ■ Russian: A1 | ■ LaTeX |

I authorise the use of my personal data in compliance with GDPR UE n. 2016/679