LUISA FERRARI

CURRICULUM VITAE
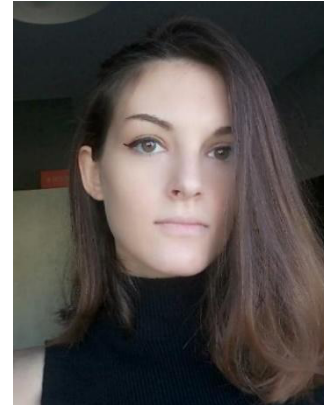
Personal Information

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

Education

Nov. 2021 – present
PhD Candidate in Statistical Sciences
Alma Mater Studiorum - University of Bologna, Italy
Research interests: Bayesian statistics, spatial statistics

Sept. 2020 – Oct. 2021
Data Science (MSc)
University College London, UK - Department of Statistical Sciences
Distinction - MSc Prize: Outstanding Overall Performance

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

Publications

2023 — **Application of the hierarchical variance decomposition approach to an ecological case study with mixed effects.**
Ferrari, L., Ventrucci M. & Laini, A. *Proceedings of the GRASPA 2023 Conference, pp. 1-6.*

2023 — **Pandemic Data Quality Modelling: A Bayesian Approach.**
Ferrari, L., Manzi, G., Micheletti, A., Nicolussi, F., & Salini, S. *Book of Short papers - 11th International Conference IES 2023. Statistical Methods for Evaluation and Quality: Techniques, Technologies and Trends, pp. 415-420*. Edizioni Il Viandante.

2022 — **A Heavily Trained Time-Dependent SIRD Model for Local Covid-19 Data in Italy.**
Ferrari, L., Gerardi, G., Manzi, G., Micheletti, A., Nicolussi, F., Biganzoli, E., & Salini, S. *COVid-19 Empirical Research (COVER)* (pp.19-24). Milano University Press.
https://doi.org/10.54103/milanoup.73.41

2021 — **Modeling Provincial Covid-19 Epidemic Data Using an Adjusted Time-Dependent SIRD Model**
Ferrari L, Gerardi G, Manzi G, Micheletti A, Nicolussi F, Biganzoli E, Salini S. *International Journal of Environmental Research and Public Health*. 2021; 18(12):6563.
https://doi.org/10.3390/ijerph18126563

Conference Participation

16-18 Dec. 2023	**Talk: Intuitive prior specification for spatio-temporal models in ecology** Ferrari, L., Ventrucci M. & Laini A. CMStatistics 2023 - Berlin, Germany (online participation)
10-11 July 2023	**Poster: Application of the hierarchical variance decomposition approach to an ecological case study with mixed effects.** Ferrari, L., Ventrucci M. & Laini A. GRASPA 2023 - Palermo, Italy

Further Activities

Sep. - Dec. 2023	**Visiting period at Brigham Young University** Funded by Marco Polo grant
11-16 June 2023	**ABS Summer School: Bayesian Causal Inference (Prof. Fan Li)** DISIA, University of Firenze, Italy
Mar. – Jun. 2023	**Tutor in Statistics for the BSc in Economics of Tourism** University of Bologna, Italy
Apr. - May 2021	**Dissertation/Research Project Writing Course** Academic Communication Center, University College London, UK
Nov. - Dec. 2020	**Academic Writing Course** Academic Communication Center, University College London, UK

Other Skills

- **English**: C2 (Cambridge CAE)
- **Italian**: mother tongue
- **Spanish**: B1 (Certificación DELE)
- **Russian**: A1

- **R:** Markdown, Shiny, plotly, tidyverse, INLA
- **Python**
- **OpenBugs**
- **LaTeX**