# Aiello Luca

Milan – Italy

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PhD student in Statistics (XXXVI cycle) starting from November 2020 at Milano-Bicocca and Politecnico di Milano MSc graduate. Passionate about statistical modelling and methods and their applications in Sociology, Economics, Earth Sciences and Geosciences.

## Teaching Assistance

○ **Università Cattolica del Sacro Cuore**                                    **Milan, Italy**
  *Teaching Assistant,*                                              *January 2024 – Junr 2024*

○ **Università degli Studi di Bergamo**                                    **Bergamo, Italy**
  *Teaching Assistant,*                                        *September 2023 – February 2024*

○ **Università degli Studi di Bergamo**                                    **Bergamo, Italy**
  *Teaching Assistant,*                                        *September 2022 – February 2023*

○ **Politecnico di Milano**                                               **Milan, Italy**
  *Teaching Assistant,*                                        *September 2022 – February 2023*

○ **Università Cattolica del Sacro Cuore**                                    **Milan, Italy**
  *Teaching Assistant,*                                              *January 2022 – June 2022*

○ **Politecnico di Milano**                                               **Milan, Italy**
  *Teaching Assistant,*                                        *September 2021 – February 2022*

○ **Università Cattolica del Sacro Cuore**                                    **Milan, Italy**
  *Teaching Assistant,*                                                *April 2021 – May 2021*

○ **Politecnico di Milano**                                               **Milan, Italy**
  *Teaching Assistant,*                                        *September 2020 – February 2021*

## Education

○ **Università degli Studi di Milano-Bicocca**                               **Milan, Italy**
  *Doctor of Philosophy (PhD): Statistics,*                     *November 2020 – October 2024*

○ **Politecnico di Milano**                                               **Milan, Italy**
  *Master of Science (MSc): Mathematical Engineering,*              *October 2017 – April 2020*

○ **Universidad de Chile**                                              **Santiago, Chile**
  *Exchange,*                                                     *February 2019 – July 2019*

○ **Politecnico di Milano**                                               **Milan, Italy**
  *Bachelor of Sciece (BSc): Mathematical Engineering,*        *October 2014 – September 2017*

○ **Liceo scientifico G. Fracastoro**                                      **Verona, Italy**
  *Scientific Diploma,*                                                     *2009 – 2014*

## Visiting periods

○ **University of California, Los Angeles**                               **Los Angeles, USA**
  *Visiting Graduate Researcher,*                                     *March 2023 – August 2023*

## Publications

- Aiello, L., Fontana, M., & Guglielmi, A. (2023). Bayesian functional emulation of $CO_2$ emissions on future climate change scenarios. Environmetrics, e2821. `https://doi.org/10.1002/env.2821`.
- Aiello, L., Argiento, R., Finazzi, F. & Paci, L. (2023). Survival modelling of smartphone trigger data for earthquake parameter estimation in early warning. With applications to 2023 Turkish-Syrian and 2019 Ridgecrest events. arXiv preprint `https://doi.org/10.48550/arXiv.2303.00806`.
- Aiello, L. & Banerjee, S. (2023). Detecting Spatial Health Disparities Using Disease Maps. arXiv preprint `https://doi.org/10.48550/arXiv.2309.02086`.

## Presentations

### Posters

**2022 International Society for Bayesian Analysis world meeting**  **Montreal, Canada**
*Bayesian functional emulation of $CO_2$ emissions on future climate change scenarios,*  *June 2022*

### Contributed Talks

**2022 Bergamo Workshop in Econometrics and Statistics**  **Bergamo, Italy**
*Survival modelling of smartphone data for earthquake parameter estimation,*  *September 2022*

### Invited Talks

**Computational and Methodological Statistics Conference**  **Berlin, Germany**
*Detecting Spatial Health Disparities Using Disease Map,*  *December 2023*

## Programming Languages

- Proficient in Matlab, R, TeX
- Average user in Python
- Basic ability in C, C++

## Language skills

- Italian native speaker
- English advanced user: IELTS 7, C1 level
- Average knowledge of Spanish: B1 level