

# Riccardo Omenti

☎ +39 327 583 5267 | ✉ [riccardo.omenti2@unibo.it](mailto:riccardo.omenti2@unibo.it) | [in](#) LinkedIn | [GH](#) GitHub | [Globe](#) Web | [Twitter](#) | 📍 Bologna, Italy

## PERSONAL DATA

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**Date of Birth:** May 21, 1997

**Citizenship:** Italian

## EDUCATION

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### PhD student in Statistics

*Department of Statistical Sciences P. Fortunati, University of Bologna*  
*Advisors: Prof. Nicola Barban & Prof. Monica Alexander*

Bologna, Italy  
Nov 2021 –

### MSc in Statistics (Curriculum: Life Statistics)

*Department of Statistical Sciences P. Fortunati, University of Bologna*  
*Final grade: 110/110 with honors*

Bologna, Italy  
Sep 2019 – Jul 2021

### BSc in Statistics (Curriculum: Stats & Maths)

*Department of Statistical Sciences P. Fortunati, University of Bologna*  
*Final grade: 110/110 with honors*

Bologna, Italy  
Sep 2016 – Jul 2019

## VISITING POSITIONS

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### Department of Statistical Sciences, University of Toronto

*Visiting Scholar*  
*Research Group on Bayesian Demography*

Toronto, Canada  
Sept 2023 – Dec 2023

### Max Planck Institute for Demographic Research (MPIDR)

*Visiting Scholar*  
*Independent Research Group on Kinship Inequalities*

Rostock, Germany  
Jan 2023 – Apr 2023

### University of California Santa Barbara (UCSB)

*Exchange Student*  
*Department of Statistics and Applied Probability*

Isla Vista, California (USA)  
Sep 2018 – Apr 2019

## WORK EXPERIENCE

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### Local Public Health Authority of Bologna (Azienda USL di Bologna)

*Statistician*  
*Department of Epidemiology*

Bologna, Italy  
Jul 2020 – Sep 2021

## TEACHING EXPERIENCE

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### University of Bologna

- Teaching Assistant for the course *Fundamental Concepts of Statistics*, MSc in Statistics, Department of Statistical Sciences. [2023-2024]
- Teaching Assistant for the course *Biostatistics*, BSc in Statistics, Department of Statistical Sciences. [2020-2024]
- Teaching Assistant for the Summer School in *Computational Social Sciences*, Department of Political and Social Sciences. [Jun 2022]
- Teaching Assistant for the course *Longitudinal and Time-to-Event Data Analysis*, MSc in Statistics, Department of Statistical Sciences. [2021-2022]
- Tutor in Statistics and Probability for students with special needs. [2019-2020]

### Italian Society of Historical Demography

- Instructor for the course *Basic Course in R for Historical Demography*. [Jun 2023]

## CONFERENCES & INVITED SEMINARS

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<b>Quetelet 2023 seminar</b> <i>Oral Presentation</i>	UCLouvain, Belgium <i>Nov 2023</i>
<b>The British Society for Population Studies (BSPS) conference</b> <i>Oral Presentation</i>	Keele University, UK <i>Sep 2023</i>
<b>The British Society for Population Studies (BSPS) conference</b> <i>Poster Presentation</i>	Keele University, UK <i>Sep 2023</i>
<b>Formal Demography Working Group</b> <i>Seminar</i>	Online <i>Apr 2023</i>
<b>Max Planck Institute for Demographic Research</b> <i>Seminar</i>	Rostock, Germany <i>Mar 2023</i>
<b>Summer School in Historical Demography</b> <i>Oral Presentation</i>	Online <i>Sep 2022</i>

## WORKING PAPERS

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1. **Riccardo Omenti** & Monica Alexander. "A Bayesian Model to Estimate Male and Female Fertility Patterns at a Subnational Level"
2. **Riccardo Omenti**, Monica Alexander & Nicola Barban. "Development of Bayesian and Formal Demography Approaches to Unveil Historical Fertility Patterns Using Online Genealogical Data"
3. **Riccardo Omenti** & Andrea Colasurdo. "Are Online Genealogical Data Suitable for Demographic Research? Evidence from FamiLinx"

## AWARDS & ACHIEVEMENTS

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**BCC (Banca di Credito Cooperativo) merit-based scholarship:** Awarded to students who excelled during their university studies. (May 2022)

**PhD scholarship:** fully funded by the ERC project (GENPOP).

**University of Bologna merit-based scholarship:** Awarded to the top students of the University of Bologna for the academic year 2020-2021.

**Overseas Scholarship:** Awarded by the University of Bologna for the academic year 2018-2019 to spend two quarters at the University of California Santa Barbara.

## SKILLS

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**Programming Languages:** R, Python

**Statistical Software:** SAS, STATA

**Others:** L<sup>A</sup>T<sub>E</sub>X, Microsoft Office, MySQL

**Languages:** Italian (Native), English (Competent), Spanish (Intermediate), German (Elementary)

## RELEVANT COURSEWORK

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**PhD:** Asymptotic Tools in Statistics, Probability and Stochastic Processes, Non-parametric Bayesian Statistics, Kullback-Leibler information and statistical modeling, Time Series, Special Functions in Statistics

**Master's level:** Demographic Analysis, Social Demography, Advanced Survival Analysis, Bayesian Statistics, Advanced Statistical Models, Machine Learning for Data Science, Fundamental Concepts of Statistics

**Bachelor's level:** Probability I-II, Calculus, Applied Stochastic Processes, Linear Algebra, Differential Calculus, Design of Experiments, Multivariate Statistics, Biostatistics, Econometrics

## WORKSHOPS AND SUMMER SCHOOLS

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### Summer School in Demography

*Warsaw School of Economics*

Warsaw, Poland

*Sept 2023*

### Matrix Approaches to Modelling Kinship: Theory and Applications

*Max Planck Institute for Demographic Research*

Rostock, Germany

*May 2023*

### Summer School in Historical Demography

*Italian Society of Historical Demography*

Online

*Sep 2022*

### Advanced Methods for Causal Inference

*Max Planck Institute for Demographic Research*

Online

*Jul 2022*

### Topics in Digital and Computational Demography

*Max Planck Institute for Demographic Research*

Online

*Nov 2021*

## MEMBERSHIPS

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**Formal Demography Working Group ([link](#))**

**Italian Society of Historical Demography ([link](#))**

## CERTIFICATES

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**Good Clinical Practice for Social and Behavioral Research**

*Society of Behavioral Medicine*

*Mar 2023*

**SAS Certified Specialist: Base Programming Using SAS 9.4**

*SAS*

*May 2020*

**TOEFL language certificate**

*Feb 2016*

## REFEREES

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### Nicola Barban

Full Professor of Demography

University of Bologna

[n.barban@unibo.it](mailto:n.barban@unibo.it)

### Monica Alexander

Assistant Professor of Statistics and Sociology

University of Toronto

[monica.alexander@utoronto.ca](mailto:monica.alexander@utoronto.ca)

### Francesco Scalone

Full Professor of Demography

University of Bologna

[francesco.scalone@unibo.it](mailto:francesco.scalone@unibo.it)

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - European regulation on the protection of personal data.

**November 20, 2023**

*Riccardo Gmenti*