

Riccardo Omenti

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Personal Website
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Education

Nov. 2021–	PhD student at the Department of Statistical Sciences, University of Bologna, 37th cycle. PhD project: <i>Statistical methods for the analysis of internet-based genealogy data in Demography.</i> Supervisor: Prof. Nicola Barban. Language of instruction: English.
Sept. 2019–July 2021	MSc in Statistics, curriculum "Life Statistics", University of Bologna. Final graduation grade: 110/110 cum laude. Dissertation: <i>A retrospective cohort study on the railroad carriages workers at the major revision workshop (OGR) of Bologna.</i> Supervisor: Prof. Rossella Miglio and Co-Supervisor: Dr. Daniela Cervino. Language of instruction: English.
Sept. 2016–July 2019	BSc in Statistics, curriculum "Stats & Maths", University of Bologna. Final graduation grade: 110/110 cum laude. Dissertation: <i>Lasso techniques in predictive financial regression.</i> Supervisor: Prof. Iliyan Georgiev Language of instruction: English

Professional Experience

July 2020–Sept. 2021	Statistician, Epidemiological Unit of the Public Health Care Authority of Bologna. Main tasks: <ul style="list-style-type: none">• Conduction of a cohort study about the mortality from asbestos-related diseases within cohorts of occupationally exposed workers.• Management of the database for the registration of COVID-19 rapid swabs according to the Screening project implemented by the region Emilia-Romagna.• Calculation of the main demographic indicators to be included in the final population health report by the Public Health Department of the Public Health Care Authority of Bologna.
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Teaching and Tutoring Experience

Academic year: 2021-2022	<p>Teaching Assistant at the Summer School in Computational Social Sciences 2022 (SICSS 2022), Department of Political and Social Sciences, University of Bologna (30 hrs.). Language of instruction: English.</p> <p>Main tasks:</p> <ul style="list-style-type: none"> • Holding tutorials in R. • Helping the participants to develop their own projects in R. • Support in the organization of the summer school.
Academic year: 2021-2022	<p>Tutor of the Longitudinal and Time-to-Event Data Analysis class, MSc. in Statistics, University of Bologna (10 hrs.), Instructor: Prof. Jeanine Houwing-Duistermaat, language of instruction: English.</p>
Academic years: 2020-2021, 2021-2022, 2022-2023	<p>Tutor of the Biostatistics class, BSc. in Statistics, University of Bologna (10 hrs.), Instructor: Prof. Jeanine Houwing-Duistermaat, language of instruction: English.</p> <p>Main tasks:</p> <ul style="list-style-type: none"> • Exam surveillance. • Exam preparation. • Grading exams. • Holding tutorials.
Academic year: 2019-2020	<p>Tutor for students with special needs, University of Bologna (150 hrs.)</p> <p>Main tasks:</p> <ul style="list-style-type: none"> • Helping students to prepare exams in the field of Statistics and Probability Theory. • Preparation of interactive slides about Descriptive Statistics to facilitate the exam preparation of upcoming students with special needs.

Experience abroad

Jan. 2023–Apr. 2023	Guest PhD student, Max Planck Institute for Demographic Research. Opportunity to spend three months as a guest PhD student at the independent research group on Kinship Inequalities under the supervision of Dr. Diego Alburez-Gutierrez.
Sept. 2018–Apr. 2019	Exchange student at the University of California Santa Barbara (UCSB) Opportunity to attend courses at the departments of Statistics and Computer Science of the the University of California Santa Barbara (UCSB) for the fall and spring quarters.
Sept. 2014–Nov. 2014	Exchange student in Germany Opportunity to attend courses in a German High School (Gymnasium Michelsenschule) in Hildesheim for three months.

Presentations

15 Mar. 2023	Leveraging crowd-sourced online genealogical data to study the evolution of fertility , Max Planck Institute for Demographic Research.
30 Nov. 2022	Measuring fertility from online crowd-sourced genealogical data: a Bayesian approach , GENPOP research group meeting.
7 Oct. 2022	Using online crowd-sourced genealogical data in Demography: the database FamiLinx , Summer School in Historical Demography.

Scholarships

- Winner of a merit-based scholarship awarded by the BCC (Banca di Credito Cooperativo) to students who excelled during their university studies. (May 2022)
- Winner of a PhD scholarship at the Department of Statistical Sciences of the University of Bologna. (37th cycle)
- Winner of the merit-based scholarship for students enrolled in the academic year 2020/2021 awarded by the University of Bologna.
- Winner of a 15-month grant awarded by the Local Health Authority of Bologna (Azienda USL di Bologna) for carrying out an epidemiological research study on the mortality of historical cohorts of occupationally exposed workers. (Period: July 2020–Sept. 2021)
- Winner of the Overseas Scholarship to spend two quarters at the University of Santa Barbara awarded by the University of Bologna. (Academic Year: 2018–2019)

Conferences, seminars and additional courses

9 Mar.–27Apr.	Academic English Writing, University of Bologna, Bologna, Italy. (<i>online</i>)
21 Oct. 2022	Demography and Climate Change in a historical perspective, University of Pavia, Pavia, Italy.
2 Sept. – 7 Oct. 2022	Summer School in Historical Demography organized by the Italian Association of Historical Demography (SiDes). (<i>online</i>)
11-15 July 2022	Advanced Methods for Causal Inference, Max Planck Institute for Demographic Research, Rostock, Germany. (<i>online</i>)
19-20 May 2022	European Social Science Genomics Network 2022, Department of Statistical Sciences, University of Bologna, Bologna, Italy.
8-12 Nov. 2021	Topics in Digital and Computational Demography, Max Planck Institute for Demographic Research, Rostock, Germany. (<i>online</i>)
16-18 Nov. 2020	3rd Human Mortality Database Users Conference. (<i>online</i>)

Research Interests

- Formal Demography
- Statistical methods for the analysis of digital data in Demography
- Historical Demography
- Kinship Demography

Digital skills

- Excellent knowledge of R and STATA.
- Basic knowledge of Python, SAS and SQL.
- Good knowledge of the Microsoft Office package and L^AT_EX.

Digital Certifications

- Health and Safety Training for Study and Research Areas certificate issued by the University of Bologna. (July 2022)
- Protection of personal data – Training course for teachers, researchers, PhD students, research fellowships and collaborators issued by the University of Bologna. (Nov. 2021)
- SAS Certified Specialist: Base Programming Using SAS 9.4 (May 2020)

Languages

Italian	Mother tongue
English	Fluent
German	Fair
Spanish	Fair

Language Certifications

- Goethe-Zertifikat B2 (Nov. 2016)
- TOEFL (Feb. 2016)

I hereby declare that all the information contained in this resume is in accordance with facts or truths to my knowledge. I take full responsibility for the correctness of the said information.