

Chiara Micheletti

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Personal Profile

I am a 28-year-old formal demographer, passionate about numbers and science. I love solving problems trying to find the smartest solution. I am a simple and curious person, always looking forward to engaging in constructive debates.

Education

Universitat Autònoma de Barcelona - Centre d'Estudis Demogràfics

PhD candidate in Demography

Barcelona, Spain

Oct 2022 - Now

Max Planck Institute for Demographic Research

International Max Planck Research School for Population, Health and Data Science (IMPRS-PHDS)

Rostock, Germany

Oct 2022 - Now

- **Courses:** Population Health, Topics in Digital and Computational Demography, Demographic Methods.

Centre d'Estudis Demogràfics

European Doctoral School of Demography (EDSD)

Barcelona, Spain

Sept 2021 - Jul 2022

- **Courses:** Population Data and Science, Current Population Issues, Demographic Theories, Mathematical Demography, Modelling, Simulation and Forecasting, Statistical Demography.

Università degli Studi di Padova

MSc in Statistics

Padova, Italy

Oct 2018 - Mar 2021

- **Courses:** Statistical Theory and Methods, Data Analysis, Data Mining, Business Analytics, Demography, Social Media Analytics.

Universidad Complutense de Madrid

Erasmus+ Programme

Madrid, Spain

Jan 2017 - Jun 2017

Alma Mater Studiorum - Università di Bologna

BSc in Mathematics

Bologna, Italy

Sept 2014 - Oct 2018

- **Courses:** Analysis, Geometry, Algebra, Physics.

Liceo Scientifico Annibale Calini

Maturità Scientifica

Brescia, Italy

Sept 2009 - Jul 2014

Publications

On the relationship between life expectancy, modal age at death, and the threshold age of the life table entropy

Micheletti, C.; Villavicencio, F.

doi: 10.4054/DemRes.2024.51.24

Demographic Research

Oct 2024

University Projects

The threshold age of the life table entropy in terms of the Gompertz modal age at death

Master thesis - European Doctoral School of Demography

Barcelona, Spain

Mar 2022 - Sept 2022

- Providing an approximation of the threshold age of the life table entropy as a function of the Gompertz modal age at death.

The association between containment measures implemented by countries across the world and excess mortality linked to Covid-19: a study based on functional data analysis

Master thesis - Università degli Studi di Padova

Padova, Italy

Nov 2020 - Mar 2021

- Investigating the association between non-pharmaceutical interventions and the increase in the number of deaths recorded all over the world because of Covid-19, between January and August 2020, using a functional data approach.

Theories of Area and Volume in Euclid and Hilbert

Bachelor thesis - Alma Mater Studiorum - Università di Bologna

Bologna, Italy

Apr 2018 - Oct 2018

- Overview of the work of David Hilbert on the rigorization of Euclid's theories of area and volume.

Work Experience

Centre d'Estudis Demogràfics

Conveni de Pràctiques Educatives

Barcelona, Spain

Aug 2022 - Oct 2022

Università degli Studi di Padova - Statistic Department

Research Assistant

Padova, Italy

May 2021 - Aug 2021

- Part of the SELECT project (Bando MIUR PRIN 2017)
- Collaborated with Prof. Stefano Mazzuco and Prof. Marco Stefanucci to extend my master thesis.
- Improved the analysis incorporating categorical functional data both in the theory and in the **R** implementation.

Conferences

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|------|----------------------------------|---------------|
| 2024 | EPC | Edinburgh, GB |
| 2024 | PAA | Columbus, OH |
| 2022 | Climbing Mortality Models | Misurina, IT |
| 2021 | IPC | Online |

Scholarships

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|------|--|------------------|
| 2023 | FI - Joan Oró scholarship to pursue a PhD in Demography at the Universitat Autònoma de Barcelona. | Barcelona, Spain |
| 2022 | DEMOS scholarship to pursue a PhD in Demography at the Universitat Autònoma de Barcelona. | Barcelona, Spain |

Skills

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| Programming | R (base, tidyverse, ggplot), SAS. |
| Miscellaneous | \LaTeX (Overleaf/R Markdown), Microsoft Office. |
| Soft Skills | Teamwork, Problem-solving, Logical Thinking. |

Interests

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| Board Games | Few things are better than a board game night with my friends. |
| Books, Movies & TV Series | I like all sorts of books and movies. I recently started to particularly appreciate documentaries. |
| Music | I believe music is a physical need. I mostly listen to it, but I also play the guitar. |
| Mountain & Nature | The perfect place where to just slow down and breath. |

Languages

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| Italian | Native proficiency |
| English | Full Professional proficiency |
| Spanish | Professional proficiency |