

MARGHERITA PALOMBA

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PERSONAL

Born in Rieti, Italy, on January 19, 2001. Nationality: Italian
Languages: Italian, English (C1), French (A2)

RESEARCH INTERESTS

Theory & Methods	Time series modeling and forecasting; Bootstrap techniques; Stochastic processes; Statistical inference; Asymptotic theory
Applications	Econometrics; State-space models; Social sciences

EDUCATION

11/2024 – current	Ph.D. in Statistical Sciences, University of Padova, Italy <i>Supervisor:</i> Prof. Luisa Bisaglia
01/2026 – current	Ph.D. in Economics: Tools of Economic Analysis, UPV/EHU, Spain <i>Supervisor:</i> Prof. Josu Arteche
09/2022 – 09/2024	Master's degree in Statistical Sciences (with honors), University of Padova, Italy
09/2019 – 07/2022	Bachelor's degree in Statistics for Economic and Business (with honors), University of Padova, Italy

TEACHING EXPERIENCE

2025 – current	Teaching Assistant - Department of Statistical Science, University of Padova <i>Course:</i> Modelli Statistici per Dati Economici (Statistical Models for Economic Data). <i>Supervisor:</i> Prof. Luisa Bisaglia
2022 – current	Academic Tutor - University of Padova Academic support to Statistics, Biotechnology and Social Science students in <i>Mathematical Analysis</i> and <i>Statistics</i> .

SERVICE TO UNIVERSITY

11/2024	Member of Department Council in Statistical Science for Ph.D. Students and Research Fellows.
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PROFESSIONAL EXPERIENCE

06/2024 – 09/2024	Analyst, Stage – Deloitte Risk Advisory Support in the analysis and assessment of business risks.
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AWARDS AND SCHOLARSHIPS

- 06/2025 *Second place for a Master's thesis in statistical disciplines in memory of Professor Agostino Tarsitano – Società Italiana di Statistica*
 2nd place in the category “Best Master's thesis in statistical disciplines in memory of Professor Agostino Tarsitano”.
- 2022 *“Mille e una Lode” Excellence Grant - University of Padova*
 Scholarship for outstanding academic performance within the academic year 2021/2022 edition of the “Mille e una Lode” project as one of the best 1000 students enrolled at Università degli Studi di Padova.
- 2018 *Eccellenza nella matematica – MIUR*
 Inserted by the MIUR in the National Register of Excellence in the field of mathematics in the 2017/2018 scholastic year.
- 04/2018 *Third place in the national competition “Matematica&Realtà” – MIUR*
 3rd place in the intermediate section of the individual national competition “Matematica&Realtà, competizione di modellazione matematica”.

MEMBERSHIPS

- 2026 – IIF-Early Career Forecasters community (IIF-ERC)
- 2025 – Italian Statistical Society
- 2023 – Teatro Nove Vite, association for social and cultural promotion
- 2019 – Rotaract Padova Centro - District 2060

SKILLS

- Language skills: Italian (native), English (C1)
- Programming: R/RStudio, Python, SQL, C, SAS, Stata
- Other tools: LaTeX, Microsoft Office Suite, GIT, Markdown

PUBLICATIONS

In volumes

1. BISAGLIA, L., GEROLIMETTO, M., PALOMBA, M. (2025). A new Combined Bootstrap Method for Long-Memory Time Series. *Working Papers 2025: 19* Department of Economics, University of Venice "Ca' Foscari".
2. PALOMBA, M., BISAGLIA, L., GEROLIMETTO, M. (2025). Combining Bootstrap Estimators to Improve Long-Memory Parameter Estimation. *Book of Short Papers-3rd Italian Conference on Economic Statistics (ICES 2025) “Sustainability, Innovation and Digitalization: Statistical Measurement for Economic Analysis”* (R. Castellano, G. De Luca, E. Bruno), Enzo Albano - Edizioni, 45–48.
3. BISAGLIA, L., GEROLIMETTO, M., PALOMBA, M. (2025). A new composite bootstrap approach for estimating the long-memory parameter. *Statistics for Innovation III: SIS 2025, Short Papers, Contributed Sessions 2* (E. di Bella, V. Gioia, C. Lagaziom S. Zaccarin Eds.), Springer Nature Switzerland, 219–224.

Theses

3. PALOMBA, M. (2024). *Bootstrap ibrido e combinazioni bootstrap per la stima del parametro di memoria lunga* (in Italian). Master's thesis, University of Padova.
4. PALOMBA, M. (2022). *Combinazione di previsioni: un confronto tra approcci differenti* (in Italian). Bachelor's thesis, University of Padova.