

Mathilde Esposito

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Address: MEGA, 424 chemin du Viaduc, 13080 Aix-en-Provence, France | Citizenship: French

RESEARCH INTERESTS

Primary: Demographic Aging; Labor Supply and Retirement Decisions; Productivity; Economic Growth

Secondary: Gender Economics

EDUCATION

- **Ph.D candidate in Macroeconomics** 2023—Present
Aix-Marseille School of Economics Marseille, France
 - Thesis: "Essays around the Aging-Growth Nexus"
 - Supervisors: Pr. Gilles Dufrénot, Pr. Eva Moreno Galbis
 - Academic responsibilities: Co-manager of the Ph.D office
- **MSc. in Theoretical and Empirical Economics** 2021—2023
Aix-Marseille School of Economics Marseille, France
 - Master dissertation: "Another brick in the Secular Stagnation wall? Demographic aging and Skills Mismatch"
 - Valedictorian (1/12), *summa cum laude*
- **MSc. in Sociology** 2020—2021
Aix-Marseille Univ Aix-en-Provence, France
 - Master dissertation: "Public policies and solidarity in the face of Japanese ageing: specificities, challenges and lessons from Demographic Surveys"
- **Programme Grande École** 2020—2021
École Spéciale Militaire de Saint-Cyr Coëtquidan, France
 - Promotion "Général Caillaud", 3ème Bataillon de France
 - Military strategy, war theory; international relations, human and organizational management
- **BSc. in Economics** 2017—2021
Aix-Marseille Univ Aix-en-Provence, France
- **BSc. in Sociology** 2017—2020
Aix-Marseille Univ Aix-en-Provence, France
- **Preparatory Classes for the French Grandes Écoles (ECE)** 2017—2020
Lycée Militaire d'Aix Aix-en-Provence, France
 - Intensive program preparing for the national competitive exam for entry to top business schools
 - Valedictorian (1/32), *summa cum laude*

PROFESSIONAL EXPERIENCE

- **Teaching assistant** 2024—2025
Aix-Marseille Univ Aix-en-Provence, France
 - For the undergraduate courses "Mathematics"; "Globalized Economies"; "Industrial Organization"; and "Analysis"
- **Oral—"khôlles"—examiner in economics** 2023—2024
CPGE Lycée Thiers Marseille, France
 - Conducted and coordinated open-ended 1:1 oral evaluations in macroeconomics, according to French Grandes Écoles national competitive exams standards
- **Officer cadet (2nd Lieutenant), platoon leader** 2020—2021
ESM Saint-Cyr — French Ministry of Defense Coëtquidan, France
 - Managed and supervised a platoon (30 soldiers) using operational command skills and a sound understanding of higher-echelon maneuvers (e.g. military headquarters), under stressful conditions

PUBLICATIONS

"Workforce Aging, Growth and Productivity", *B.E. Journal of Macroeconomics*, forthcoming.

"Demographic Winter, Economic Structure and Productivity in Japan" (joint with G. Dufrénot and E. Moreno Galbis), in: *Emerging Markets and Industrialized Countries in the New Wave of Globalization*, Springer Proceedings in Business and Economics, Springer, forthcoming 2025.

WORK IN PROGRESS

Gender Gaps in Life Expectancy: A Blessing for Growth? - Job Market Paper

NON-REFEREED WORK

Public policies and solidarity in the face of Japanese ageing: specificities, challenges and lessons from demographic surveys (in French). Dumas, Sociologie. 2022. Collections DEMOMED. Metrics: 700+ downloads, 2 citations.

PRESENTATIONS

PSE-CEPR Policy Forum 2025 [poster available here], AFSE 2025, AFÉPOP 2025, French-Japanese Conference of Sciences Po 2024, LAGV 2024, AMSE Ph.D Seminar (x2), French-Japanese Seminar of Sciences Po 2023, French Data SHS Week 2023

SKILLS

- **Programming:** R, Stata, SAS, Python
- **Literate Programming:** Jupyter Notebook, R Markdown
- **Software and Tools:** MS Office, L^AT_EX, Magrit/QGIS, Modalisa, Oxmetrics
- **Languages:** French (native), English (fluent), Spanish (intermediate), Japanese (notions)

REFEREEING

International Economics

HONORS AND GRANTS

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| • Aix-Marseille Univ Teaching Fellowship | 2024—2025 |
| • CPGE Lycée Thiers Teaching Fellowship | 2023—2024 |
| • AMSE Full Doctoral Scholarship | 2023—2026 |
| • Award for the AMSE "Best Research Master Dissertation Promotion 2023" | 2023 |
| • French Government Full Scholarship as "élève Saint-Cyrien" | 2020—2021 |
| • Admitted to ESM Saint-Cyr and emlyon business school after nationwide competitive exams (top 5%) | 2020 |
| • Valedictorian, Honorary Position (Standard Bearer) at CPGE Lycée Militaire d'Aix | 2017—2020 |
| • French Ministry of Defense Merit-Based Full Scholarship | 2017—2020 |

TEACHING

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| Teaching assistant for the Cycle Pluridisciplinaire d'Études Supérieures course <i>Globalized Economies</i> of Pr. G. Dufrénot - Aix-Marseille Univ | Spring 2025 |
| Teaching assistant for the undergraduate course <i>Industrial Organization</i> - Aix-Marseille Univ | Spring 2025 |
| Teaching assistant for the undergraduate course <i>Mathematics</i> of Pr. P. Bertrand - Aix-Marseille Univ | Fall 2024 |
| Teaching assistant for the undergraduate course <i>Analysis</i> of Pr. D. Barbolosi - Aix-Marseille Univ | Fall 2024 |
| Oral—"khôlles"—examiner in economics for Pr. S. Parayre - CPGE Lycée Thiers | 2023—2024 |

PH.D COURSES

Practical Tools to Evaluate Countries' Macroeconomic Vulnerabilities; Long-Run Growth and Comparative Development; Presenting Research in Economics; Deep Learning; Econometrics of Networks; Incentives and Commitment; PhD and Research: Selected Topics

REFERENCES

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| 1. Gilles Dufrénot (advisor)
Professor of Economics
Sciences Po Aix, Aix-Marseille School of Economics
Email: gilles.dufrenot@sciencespo-aix.fr | 3. Kiyotaka Sato
Professor of Economics, Dean
Yokohama National University
Email: sato@ynu.ac.jp |
| 2. Eva Moreno Galbis (co-advisor)
Professor of Economics, Head of the Doctoral School
Aix-Marseille School of Economics
Email: eva.moreno-galbis@univ-amu.fr | 4. Christophe Rodrigues
Associate Professor of Economics
ENS Lyon, Mines Paris-PSL / Albert School
Email: kriss.rodrigues13@gmail.com |