

Simone Baricca

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Born in Reggio Emilia, 31/03/2000. | *Via Ada Negri 8, Quattro Castella (RE).*

EDUCATION

University of Bologna

Master of Science in Economics and Political Economy

Bologna, Italy

Sep 2022 – Oct 2024

- GPA: 29,66/30
- Final Grade: 110/110 cum laude
- **Relevant Modules**
 - * Mathematics, Econometrics, Statistics, Microeconomics, Industrial Economics, Economics, Finance, Monetary and International Economics, Macroeconomics, and Macroeconometrics
- **Final Research Project**
 - * Final Master's Research Project in industrial and mathematical economics, supervised by Prof. Lorenzo Cerboni Baiardi. The project develops a theoretical extension of the classical Cobweb Model by incorporating strategic behavior among firms in a competitive setting. Particular emphasis is placed on the role of endogenous product differentiation and its implications for market dynamics. The analysis includes equilibrium derivation, local stability assessment, and the identification of dynamic patterns.
 - * Tools: Wolfram Mathematica for symbolic computation, dynamic simulation, and phase diagram analysis.

University of Modena e Reggio Emilia

Bachelor's Degree in Economics and Finance

Modena, Italy

Sep 2019 – Jul 2022

- Final Grade: 110/110
- **Relevant Modules**
 - * Mathematics: Calculus, Multivariate Calculus, Basics of Algebra and Financial Mathematics.
 - * Microeconomics, Macroeconomics, Econometrics and Financial Economics, Advanced Macroeconomics, and Monetary Economics

RESEARCH AND TEACHING EXPERIENCE

Research Fellow

Department of Economics, University of Venice

Venice, Italy

Feb 2025 - Current

- Research fellow under Prof. Agar Brugiavini in the Age-It project (SHARE Database and Eurofund).
- Main Project topic: Investigated how mortality rates are shaped by socioeconomic factors using longitudinal SHARE data and evaluated the impact of job-related exposures on survival among older European cohorts.
- Research Topics: Health Economics, Public Economics, Applied Microeconomics
- Second Project: Development of a computer literacy questionnaire for older adults to measure digital competence and attitudes toward ICT.

Research Collaborator

Project with Prof. Lorenzo Cerboni Baiardi

Bologna, Italy

Nov 2024 – Current

- Ongoing research on strategic models of product differentiation in various market frameworks, with particular focus on substitutability, complementarity, and their implications for market dynamics.
- The project develops a theoretical foundation to study differentiation as a strategic game, analyzing equilibrium properties, dynamic stability, and cross-market interactions.
- Research Topics: Industrial Organization, Mathematical Economics, Game Theory, Dynamic Systems

Private Teacher

LGE Education (<https://www.lgeducation.it/>)

Bologna, Italy

July 2024 - Apr 2025

- Private tutoring in Microeconomics, Industrial Economics, and Macroeconomics for undergraduate students. Designed personalized tutoring programs based on individual student needs, prepared lesson materials, and conducted sessions.

Research Assistant

Department of Economics, University of Bologna

Bologna, Italy

Mar 2024 - Jun 2024

- Research assistant under Prof. N. Burani working on vertical differentiation of products, screening and market power with a theoretical approach.
- Research topics: Microeconomics, Industrial Economics and Information Theory.
- Literature review and writing production of a paper based on the work of Bénabou and Tirole (2016) and Gomes, Lozachmeur and Maestri (2020).

FURTHER EDUCATION

Urbino Summer School

Economic Growth and Development: Roots and New challenges

Urbino, Italy

July 2025

- * Organiser: INFER – International Network for Economic Research
- * Topics: income convergence; institutional drivers of growth; entrepreneurship and investment; market structure; taxation, public debt and financial markets
- * Lecturers: Pietro Peretto; Markus Eberhardt; Andrea Filippo Presbitero

Bertinoro Summer School

Panel Data for Causal Research Designs

Bertinoro, Italy

July 2025

- * Organiser: The Italian Econometric Association (SIde)
- * Topics: Difference-in-Differences; Staggered and Block Designs; Synthetic Control Methods
- * Lecturers: Erich Battistin; Enrico Rettore; Sergiu Burlacu; Alessio Tomelleri

WORKING PAPERS

- * **“A Substitution Game in Competitive Markets”**, (2025)

with Lorenzo Cerboni Baiardi

This theoretical paper develops a dynamic model of strategic competition with endogenous product differentiation in competitive markets. It analyzes equilibrium outcomes and explores the resulting market dynamics, focusing on stability conditions, bifurcation phenomena, and the interplay between dependent and independent markets.

Presented at the 16th Viennese Conference on Optimal Control and Dynamic Games.

SKILLS AND INTERESTS

Languages

* Italian (Native)

* English (B2)

* French (Basic)

Software

* Microsoft Office, L^AT_EX

* Gretl, STATA

* Mathematica,
MATLAB

Personal Skills

* Organization and
Autonomy

* Communication and
Teamwork

Hobbies

* Volleyball Player

* Reading Novels and
Poetry

* Interest in Politics and
Society

July 20, 2025

Firma

A handwritten signature in black ink, appearing to read "Juan B. Ramirez", is written over a horizontal line.