



Mattia Albertini, Ph.D.

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Sommario

- **Economist** with 5 years experience in **data analysis** and 3 academic papers presented at 15+ economic conferences.
- Expert in **applied statistic** and **machine learning** on large data; led projects totaling 900,000 CHF in funding.
- **Effective communicator** and **team player** with strong mentoring and public-speaking experience developed as lecturer.

Professional Experience

Economist – IRE, UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) **Jun 2025 – Present**

- Led the production of *end-to-end* reports and statistical analyses for the department of economics and finance (DFE), focusing on the Swiss labor market and industrial competitiveness.
- Served as data lead for three projects (total value: 100,000 CHF), leveraging large microdata, administrative records, and official statistics.

Ph.D. Researcher – IDEP, UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) **Sep 2020 – Jun 2025**

- Researcher in *applied microeconomics*, focusing on labor, public, and health economics. Authored three working papers, with three projects in progress and two under review.
- Specialized in causal inference using administrative data, official statistics, and surveys; methodological focus includes econometrics, machine learning, spatial methods. Research proposals helped secure 800,000 CHF in team funding.
- Strong communication skills developed by teaching three courses in Italian and English (200 students/year) and mentoring four theses. Average student rating: 8.5 (vs faculty average of 7.5).

Research Assistant – IDEP, UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) **Jun 2019 – Sep 2019**

- Collected, cleaned, and organized historical datasets for the project: *Gender Differences in Peer Recognition by Economists* (Econometrica, 2022).

Education

Ph.D. in Economics – UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) **Sep 2020 – Jun 2025**

- *Applied Microeconomics*. Completed PhD coursework in microeconomics, macroeconomics, econometrics, and machine learning at the Gerzensee Study Center. *Final GPA: 5.6/6*.

M.Sc. in Economics – UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) **Sep 2018 – Sep 2020**

- Focus on *Quantitative Economics* and *Data Science*. Exchange semester at the University of St. Gallen. *Final GPA: 9.17/10*, awarded *summa cum laude* (110/110 L), and recipient of merit scholarship.

B.Sc. in Economics – UNIVERSITY OF PAVIA, PAVIA (IT) **Sep 2014 – Aug 2017**

- Specialization in International Economics. *Final GPA: 28.5/30*, graduation grade: 110/110 L.

Skills and Leadership

- **Programming:** R, Stata, Python, LaTeX (advanced); SQL, Matlab, MS Office (intermediate), Linux (basic).
- **Languages:** Italian (native), English (C1), French and Spanish (basic).
- **Leadership / Hobbies:** Supervised 30+ students as deputy director of Aristotle College. Organized and moderated events for two student associations (Ratio, Rethinking Economics). Pianist for 20 years and CrossFit athlete.

References

Fabrizio Mazzonna – UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) – *Advisor* fabrizio.mazzonna@usi.ch

Pieter Bakx – ERASMUS UNIVERSITY, ROTTERDAM (NL) bakx@eshpm.eur.nl

Raphaël Parchet – UNIVERSITÀ DELLA SVIZZERA ITALIANA, LUGANO (CH) raphael.parchet@usi.ch

Working Papers

- **The Residential Integration of Transnational Regional Economies: Evidence from the 2015 Swiss Franc Appreciation** with Lorenzo Barisone
- **Health and labor market consequences of low-value care: The role of practice style** with Pieter Bakx, Fabrizio Mazzonna
- **Trust Issues: How Unveiling Organized Crime Infiltration in Politics Increases Abstention** with Andrea Ghisletta
- **The Capitalization of Natural Hazards in the Real Estate Market: Public or Private Insurances?** with Mario Jametti

Conferences (Invited as Speaker)

- 2025 NetCIEEx Workshop by the Competence Centre on Microeconomic Evaluation (JRC, Ispra) • ACROSS workshop (JRC, Ispra) • IdEP Brown Bag Seminar, Lugano (CH)
- 2024 The Economics of Migration, Junior Webinar • InSight Meeting of the Institute of Public Health, Lugano (CH) • IdEP Brown Bag Seminar, Lugano (CH)
- 2023 17th North American Meeting of the Urban Economics Association, Toronto (CAN) • 12th European Meeting of the Urban Economic Association, Bocconi University, Milan (IT) • CEPRA/NBER Workshop on Aging and Health, Lugano (CH) • NetCIEEx Workshop by the Competence Centre on Microeconomic Evaluation (CC-ME), Ispra (IT) • Annual Congress of the Swiss Society of Economics and Statistics, Neuchâtel (CH) • IdEP Brown Bag Seminar, Lugano (CH) • 6th Swiss Conference of the Swiss Society of Health Economics, Bern (CH)
- 2022 European Health Economic Association (EuHEA) Ph.D. Conference, Galway (IRL) • Swiss Workshop on Local Public Finance and Regional Economics, Bern (CH) • IdEP Brown Bag Seminar (CH)

Certifications

- 2025 TensorFlow for Artificial Intelligence, DEEPLARNING.AI.
- 2025 Generative AI with Large Language Models, AWS.
- 2024 Machine Learning in Health Economics, Helmut Farbmacher, TUM SCHOOL OF MANAGEMENT.
- 2022 Reading group on recent advances in causal inference, Fabrizio Mazzonna, UNIVERSITÀ DELLA SVIZZERA ITALIANA.
- 2020 Advanced Convex Optimization Methods with Python, Digitise Optimize and Visualize Summer School, Fabio Trojani, UNIVERSITÀ DELLA SVIZZERA ITALIANA.
- 2020 Python Bootcamp, Digitise Optimize and Visualize Summer School, Peter Gruber, UNIVERSITÀ DELLA SVIZZERA ITALIANA.

Teaching activities

- 2021-2025 Microeconomics (TA), Bachelor, UNIVERSITÀ DELLA SVIZZERA ITALIANA.
- 2023-2025 Macroeconomics (TA), Bachelor, UNIVERSITÀ DELLA SVIZZERA ITALIANA.
- 2021-2025 Textual Analysis and Spatial Data for Economists (TA), Master, UNIVERSITÀ DELLA SVIZZERA ITALIANA.

Scholarships and Awards

- 2020 Ph.D. scholarship, UNIVERSITÀ DELLA SVIZZERA ITALIANA, Lugano
- 2019 M.sc. scholarship, FONDAZIONE ARISTOTLE, Lugano
- 2018 M.sc. scholarship, UNIVERSITÀ DELLA SVIZZERA ITALIANA, Lugano