

GIULIANO MARCO FEDERICO ROLLE

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RESEARCH INTERESTS

Primary Environmental Economics, Health Economics, Applied Microeconometrics
Secondary Education, Labour Economics

ACADEMIC EXPERIENCE

Gran Sasso Science Institute (GSSI) November 2023 - Present
PhD Student in Applied Economics L'Aquila, Italy

- Supervisors: Professor Alessandro Palma (GSSI) and Ilan Noy (GSSI & Victoria Univ. of Wellington).

Columbia University January 2026 - March 2026
Visiting Period New York City, USA

- Health Policy and Management Department. Host: Professor Matthew Neidell.

ifo Institute July 2026 - October 2026
Visiting Period Munich, Germany

- ifo Center for Energy, Climate, and Resources. Host: Professor Filippo Pavanello.

PUBLICATIONS & RESEARCH

Working Papers

- **A Toast to Health? Cognitive Effects of Local Pesticide Regulations**

with Alessandro Palma and Daniela Vuri

Exploiting staggered municipal adoption of Veneto's (Italy) 2012 pesticide guideline, we find that exposure to the regulation raises second-grade mathematics scores by 0.14 standard deviations among early adopters, with spillover gains in nearby untreated municipalities.

- **Under a Cloud of Smoke: Wildfires and Mental-Health Hospitalizations in Mexico**

Combining weekly mental-health inpatient admissions for 2,410 Mexican municipalities (2008–2023) with satellite fire perimeters and modelled smoke dispersion, a local-projections difference-in-differences design shows that admissions rise by 15% relative to the pre-ignition mean two weeks after a large local wildfire.

Research Assistance

- For Professor Alessandro Palma: Ballatore, R. M., Palma, A., & Vuri, D. (2025). Degrees of Deception: How Score Manipulation Mitigates Temperature's Impact on Student Performance. IZA DP No. 17643

EDUCATION

University of Ferrara July 2022
Master's degree in Green Economy and Sustainable Development (Economics) Ferrara, Italy

Thesis: estimated consumers' marginal willingness to pay for environmental attributes of used cars with an original dataset from the Milan AutoScout24 market.

GPA: 4.0

Ca' Foscari University of Venice

Bachelor's degree in Foreign Trade (Economics)

Thesis: evaluated Extended Producer Responsibility as a policy instrument to mitigate the negative externalities of plastic packaging.

April 2020
Venice, Italy

AWARDS AND RECOGNITIONS

- GSSI-PNRR Supplementary Competitive-based Research Award — €5,000.

CONFERENCES AND INVITED SEMINAR PRESENTATIONS

- 2026** Brown Bag Seminar (University of Verona, Italy), 2nd Workshop IdEP in Sustainable Economics (USI University, Switzerland), 3rd Verona Early Career Workshop in Economics & Financial Mathematics (University of Verona, Italy), 7th World Congress of Environmental and Resource Economists (Carcavelos, Portugal), 13th European Health Economics Association Conference (Rotterdam, The Netherlands)
- 2025** 13th Annual Conference of the Italian Association of Environmental and Resource Economists (Rome, Italy), 2nd European Health Economics Association PhD & Supervisor Conference (Brussels, Belgium), 3rd "Economy and Space" PhD Workshop (Rome, Italy), 64th Congress of the European Regional Science Association (Athens, Greece).

OTHER EXPERIENCE

Benetton Group

Sustainability Analyst - Internship

December 2022 - February 2023
Treviso, Italy

- Corporate sustainability reporting and data analysis.

Regional Agency for Prevention, Environment and Energy of Emilia-Romagna

Research Internship

May 2022 - July 2022
Bologna, Italy

- Developed a white paper on the economic and environmental valuation of urban green spaces and their ecosystem services.

EXTRA-CURRICULAR EDUCATION

Italian Econometric Association

Summer School: Causal Inference in Program Evaluation

July 2025
Bertinoro, Italy

- Causal Inference with Difference-in-Differences (Prof. Andrew Goodman-Bacon).
- From Randomized Controlled Trials to Instrumental Variables (Prof. Monica Costa Dias).

Barcelona School of Economics

Summer School: Microeconometrics

July 2024
Barcelona, Spain

- Difference-in-Differences with Panel Data (Prof. Jeffrey M. Wooldridge).
- Dynamic and Non-linear Panel Data Models (Prof. Sergi Jiménez-Martín & Prof. José Maria Labeaga).

SKILLS

Software	Stata, R, QGIS (Intermediate); Python (Basic); L ^A T _E X
Languages	Italian (Native), English (C1), Spanish (B1)

(updated October 2026)