

Fernanda Gutiérrez Amaros



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Research interests and areas of teaching competence

Political economy, Labour and Health economics with regional and gender perspective
Spatial methods, Causal Inference, Visualisation

Academic positions and affiliations

Postdoctoral researcher- Mercatorum University (Italy)-May 2025

Postdoctoral researcher- DISEA- Università degli Studi di Sassari (Italy)-October 2024-May 2025

Affiliated to Centro Recherche Nord Sud (CRENoS-Cagliari) since 02/2025

Education

Gran Sasso Science Institute (GSSI), Italy, 2025

PhD. Regional Science and Economic Geography. Dissertation: "Essays on Health Economic Geography"

Defended 04/03/2025 and awarded an "Excellent" score. Jury: Giovanni Cerulli (President), Marta Meleddu,

Viviana Celli, Stefano Basilico and Adriana Pinate

Visiting period: **IEB & Universidad de Barcelona** (05/2023-01/2024) with Judit Vall Castellò

Junior CINCH fellowship at Duisburg Essen University (04/2024-07/2024) with Martin Karlsson

The University of Warwick, Centre for Interdisciplinary Methodologies (CIM), UK, 2020

Master's in Urban Analytics and Visualisation, Distinction

Instituto Tecnológico Autónomo de México (ITAM), Double degree program, Mexico, 2015

B.A. in Political Science, Honors Undergraduate Thesis

B.A. in Economics

Minor: Economic Policy

Visiting period: **Universitat Pompeu Fabra**, Summer, 2014

Research papers

- **Job Market paper: Fuel Prices, Gang Violence, and Its Effects on Children's Health: Evidence from Mexico**
[[Latest version here](#)] -Winner of AIES Young Researcher Award, 2024

[Abstract] During Mexico's "war against drugs," homicides and disappearances have surged, driven by organised crime's use of violence to control illicit markets, including fuel theft. The physiological distress resulting from this prolonged security crisis has been largely overlooked. This study examines the impact of prenatal exposure to violence associated with the clandestine tapping of oil and fuel pipelines, or "Huachicol." Leveraging quasi-exogenous variation from georeferenced pipeline networks and a major fuel price hike in January 2017, I analysed administrative and pipeline data to assess the effects of this extractive conflict on prenatal and health outcomes. The results show an increase in homicides in areas near pipelines following the price hike, with no significant effects on birth weight or other prenatal outcomes. I tested and found evidence of two mechanisms likely at play: an income effect from fuel theft and a population's adaptation to prolonged exposure to violence over two decades.

-**Labour demand in the wake of a shock: a dose-response approach**, Papers in Regional Science, 2025,
<https://doi.org/10.1016/j.pirs.2025.100083> (with Andrea Ascani -GSSI, Alessandra Faggian -GSSI and Wessel Vermeulen OECD)

- "**How well do online job postings match national sources?: Benchmarking Lightcast data against statistical and labour agency sources across regions, sectors and occupation**", *OECD Local Economic and Employment Development (LEED) Papers*, No. 2024/02, OECD Publishing, <https://doi.org/10.1787/e1026d81-en>. (OECD report with Wessel Vermeulen)

-**Has the Pandemic Changed the Gender Health Gaps?** (with Judit Vall Castellò- IEB & Universidad Barcelona)

-**Gender disparities in the spatial accessibility of health care** (with Egor Kotov-Max Planck Institute for Demographic Research)

- **Cash Transfers and Children's health: Evidence from Sardinia** (with Marco Delogu- University of Sassari)

- **Effects of infrastructure on health care** (Nikolaos Prodrromidis- University Duisburg Essen)

-**Economia della Sardegna: 32° Rapporto, Temi Economici della Sardegna, 2025.** (Collaborator, CRENoS regional economic report) [.Link here](#)

References

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Judit Vall Castellò
Universidad de Barcelona (UB)
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Andrea Ascani
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Marco Delogu
University of Sassari
mdelogu@uniss.it

Research Positions (Type of positions: Political econ * Pol. science § Health §)

- Intern at OECD-Spatial Productivity Lab (Trento, Italy). June 2021-December 2021 *
- Research Associate in the project “Political economy of power-sharing in post-conflict situations” (International Development Department. The University of Birmingham). January 2020- October 2020 *
- Teaching Assistant to Carolina Gomez. ECO-35118, Health, education, family, employment (Graduate course of the MPP. ITAM). January-March 2018. §
- Research Assistant and Project Manager to Tesalia Rizzo (MIT Political Science and MIT GOV/LAB). January 2016-October 2016 §
- Research Assistant (Research Institute for Equitable Development, EQUIDE. Universidad Iberoamericana). August 2015- June 2016 §
- Research Assistant to Kensuke Teshima (Center of Economic Research. ITAM). August 2014- April 2015 *
- Research Assistant to Jeffrey Weldon (Political science. ITAM). August 2012-August 2015 §

Professional Experience

- Survey and data analyst (Datalogía at Newspaper Reforma). September 2017- August 2019

Scholarships, fellowships and awards

AIES Best paper award, 2024, Italian Health economics association (AIES)

Junior fellowship at CINCH, 2024, Visiting fellowship for research in health economics

Gran Sasso Science Institute Scholarship, 2020-2025, awarded to doctorate students (80,000€)

[Chevening](#) Scholarship 2019-2020, awarded to 2% of applicants (Full tuition and stipend), UK Government FCDO

ExITAM Scholarship 2015, awarded to master students (33% of tuition granted)

Presentations and conferences

- **2025:** CRENoS annual meeting (Bitti-January), SEHO (Zaragoza, June), AES (Madrid, June)
- **2024:** GSSI-Sapienza workshop (L'Aquila-February), Workshop for applied microeconomics (Essen-May), Gender and economics workshop (Luxembourg-May), CINCH-dggö Academy in Health Economics (Essen-August), 11th EuHEA PhD & Supervisor Conference (Lucerne-August), Italian Health Economics Association conference-AIES (Naples-December),
- **2023:** RISIS Winter School in Machine Learning and Spatial Econometrics (Rome-February), The XXV Applied Economics Meetings (Toledo-June), Public Sector Economics Conference 2023: Healthcare Systems

after the Pandemic, Institute of Public Finance, Zagreb (Online-October), Internal seminar AQR (Invited-Barcelona-October), Seminar Universidad Rovira I Virgili (Invited-Reus-November), SAEe school (Salamanca-December)

- **2022:** ERSA Winter School in Spatial econometrics (Warsaw-February), Methods in Action workshop for Spatial econometrics (Vienna-online, September), GRAPE seminar- IRcRES- CNR (Invited-Rome-October), 69th NARSC Conference- Special session: Coronametrics (Montreal-November),
- **2021:** Spatial Econometrics Association summer school (Rome-online), 60th ERSA Congress-Presenter and discussant at OECD-Bank of Italy joint session: Regional competitiveness and growth: Macroeconomic trends (“What can we learn from labour demand during the pandemic? Evidence from Burning Glass data”) (Online-August)
- **2020:** CUSP London Data Dive 2020 with the Mayor’s Office for Policing and Crime and Metropolitan police service (Online-June), CIM Postgraduate Conference organising team and participant (Online-The University of Warwick-June), “Data against femicide” (Online conference-London)

Fieldwork

Fieldwork sites in Mexico: Mexico City (2015), Mexico State (2015), Puebla (2016), Hidalgo (2016), Yucatán (2016), Morelos (2018), Querétaro (2018) and Colima (2018)

Skills and Training

Technical: Stata, R, SPSS, Qualtrics, QGIS, Geoda

Languages: Spanish (native), English (Fluent), Italian (Intermediate), German (Basic)