

## Fernanda Gutiérrez Amaros

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### Research interests and areas of teaching competence

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Regional, Urban, Gender, Labour and Health economics  
Spatial methods, Causal Inference, Visualisation

### Education

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#### Gran Sasso Science Institute (GSSI), Italy, expected 2024

PhD. Regional Science and Economic Geography

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

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**-Labour demand in the wake of a shock: a dose-response approach** (with Andrea Ascani -GSSI, Alessandra Faggian - GSSI and Wessel Vermeulen OECD -Submitted). The previous version as a discussion paper can be found [here](#).

**-Inequality, infrastructure and Narco Violence: A spatial approach** (with Diego Castañeda-Uppsala University and Raul Zepeda Gil-Oxford University)

- "How well do online job postings match national sources in European countries?: 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 enlarged/reduced the gender gaps in health?** (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)

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

**-Effects of violent conflict on health: Evidence from Mexico's fuel theft epidemic** (Job Market paper)

[Abstract] During Mexico's "war against drugs," homicides and disappearances have surged, driven by organized 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 analyze administrative and pipeline data to assess the effects of this extractive conflict on prenatal and health outcomes. The results show a 22%–38% 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.

## References

Alessandra Faggian  
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Andrea Ascani  
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Universitat de Barcelona (UB)  
[judit.vall@ub.edu](mailto:judit.vall@ub.edu)

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

- Teaching Assistant to Kristina Strohmaier. Development economics (Duisburg-Essen University). June 2024.
- 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. ξ
- 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 ξ
- 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 §

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## Professional Experience

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

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## Scholarships and fellowships

**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)

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## Presentations and conferences

- **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)
- **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**

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**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**

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

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