

# Joaquín Barrutia Álvarez

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Pre-Doctoral Fellow, Georgetown University  
Uppsala, Sweden

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## Education

UPPSALA UNIVERSITY, UPPSALA, SWEDEN

M.Sc., Economics 2022-2024

INSTITUTO TECNOLÓGICO AUTÓNOMO DE MÉXICO (ITAM), MEXICO CITY, MEXICO

Diploma, Data Science & Machine Learning Applied to Financial Markets 2021-2022

B.A. (Honors), Economics 2016-2021

– Thesis: *We Both Step and Do Not Step in the Same Rivers: Municipal Cooperation and Water Pollution Spillovers in Mexico*. Supervisor: Emilio Gutiérrez, Ph.D.

## Experience

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GEORGETOWN UNIVERSITY, WASHINGTON, D.C.

Pre-Doctoral Fellow 2023-

– Working as a Predoctoral Research Fellow with Dr. Laurent Bouton (Georgetown) through the United Programs for Political Economy Research ([UPPER Network](#)) as part of the Global Research Training Initiative.

CENTER FOR ECONOMIC RESEARCH ([CIE](#)), ITAM, MEXICO CITY

Research Assistant 2022-

– Working in a Mercury Project research team with Dr. Antonella Bandiera (ITAM), Dr. Horacio Larreguy (ITAM), and Dr. John Marshall (Columbia), partnering with fact-checkers in Kenya, South Africa, and Bolivia, conducting two studies to test approaches to counter misinformation.<sup>1</sup>

UNIFIN FINANCIERA, MEXICO CITY

Structured Finance Analyst 2020-2022

## Research Interests

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Applied Econometrics, Cooperative Economics, Development Economics, Political Economy

## Skills & Relevant Coursework

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SOFTWARE

Microsoft Office, L<sup>A</sup>T<sub>E</sub>X, Python, QGIS, R

LANGUAGES

Spanish (native), English (fluent), Mandarin Chinese (HSK1)

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<sup>1</sup>[Harnessing influencers to counter misinformation: Scalable solutions in the Global South.](#)

## RELEVANT COURSEWORK<sup>2</sup>

Microeconomic Theory (ITAM, UU), Macroeconomic Theory (ITAM, UU), Econometric Theory (ITAM, UU), Applied Microeconometrics (ITAM, UU), Time Series Econometrics (ITAM, UU), Real Analysis (ITAM, SU), Matrix Algebra (ITAM), Univariate and Multivariate Calculus (ITAM), Probability Theory (ITAM), Statistical Inference (ITAM), Bayesian Statistics (UU), Machine Learning (UU)

## Additional Training

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UNIVERSITY OF IOANNINA & UNIVERSITY OF PIRAEUS, SPETSES, GREECE

5th Summer School in Advanced Economics (Lecturer: Jeffrey M. Woolridge, Ph.D.) 2023  
*Course on Causal Inference, Potential Outcomes and Difference-in-Differences estimation.*

CAUSAL SOLUTIONS

Difference-in-Differences Designs (Lecturer: Pedro H. C. Sant'Anna, Ph.D.) 2023

## Academic Awards

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First Place. Undergraduate Thesis. Premio ExITAM —Best thesis in Economics. 2023

Honorable Mention (Top 3). Undergraduate Thesis. [Citibanamex Economics Prize](#). 2021

ITAM Special Mention Distinction. Awarded to students with an outstanding thesis defense and a final average grade above 8.5 out of 10. 2021

First Place. ITAM Hagamos Eco 1. Awarded for the production of audiovisual material explaining concepts for the Economics 101 course. 2021

## Scholarships & Fellowships

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FIDERH (Fund for Human Resource Development). Banco de México. 2023

Uppsala University International Scholarship Fund for an extra course. 2023

ITAM 50 percent academic excellence scholarship for BA studies. 2016 - 2019

## References

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Horacio Larreguy  
Associate Professor  
ITAM

Mexico City, Mexico

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Antonella Bandiera  
Assistant Professor  
ITAM

Mexico City, Mexico

✉ [antonella.bandiera@itam.mx](mailto:antonella.bandiera@itam.mx)

John Marshall

Associate Professor

Columbia University

New York, United States

✉ [jm4401@columbia.edu](mailto:jm4401@columbia.edu)

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<sup>2</sup>UU = Uppsala University, SU = Stockholm University