Joaquín Barrutia Álvarez

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

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

Reaserch Assistant   2021-
– *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.[1]*

UNIFIN FINANCIERA, MEXICO CITY

Structured Finance Analyst   2020-2022

Research Interests

Applied Econometrics, Development Economics, Political Economy

Skills & Relevant Coursework

SOFTWARE

Microsoft Office, LaTeX, Python, QGIS, R

LANGUAGES

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

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[1] Harnessing influencers to counter misinformation: Scalable solutions in the Global South.

Relevant Coursework[2]

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

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

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 & Felowships

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

Horacio Larreguy
Associate Professor
ITAM
Mexico City, Mexico
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Antonella Bandiera
Assistant Professor
ITAM
Mexico City, Mexico
✉ antonella.bandiera@itam.mx

John Marshall
Associate Professor
Columbia University
New York, United States
✉ jm4401@columbia.edu

Laurent Bouton
Professor
Georgetown University
Washington, D.C., United States
✉ lb910@georgetown.edu

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[2]UU = Uppsala University, SU = Stockholm University