

Iván Marín Medrano

PhD candidate at CESAER

Dijon, France

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About me

Professional interests: Delivering statistical insights with computational tools for antitrust research

Methods: Machine learning, networks, and applied econometrics

Technology: Python, R, Matlab, D3, Git, SQL, NoSQL, Spark, among others

Languages: English, french and spanish

Education

Université de Bourgogne, PhD in Applied Economics	2023–to date
- PhD thesis research on antitrust and competition policy	
- Methods: statistical networks, machine learning and applied econometrics	
Université de Bourgogne, Master in Applied Economics	2019–2021
Universidad Autónoma Metropolitana, Bachelor in Economics	2013–2017

Experience

CESAER, France	Sep 2023–to date
PhD researcher candidate	
- Currently conducting quantitative analysis for bid-rigging investigations in Quebec's paving tender market through statistical networks and applied econometrics	
Gestell, Mexico	Oct 2019–Sep 2021
Data scientist	
- Designed data pipelines and curated datasets for experimental studies with supervised machine learning techniques	
Ministry of Finance, Mexico	Dec 2017–Aug 2018
Economist	
- Analyzed macroeconomic indicators at national and state levels and leveraged time-series econometrics and causal inference	
Coface, Mexico	March 2016–Nov 2017
Researcher jr.	
- Conducted market analysis of firm assurance credit in Latin America using statistical descriptive analysis	

Internships

Université de Laval, Quebec	Apr 2022–Sep 2022
Researcher assistant	
- Developed data curation pipelines for bid tender datasets	
- Prepared bi-weekly reports, identifying findings and inconsistencies	
Banque de France, France	March 2021–Jul 2021
Researcher assistant	
- Automated data analysis of international trade datasets	

Publications

- Hernández Mota, José Luis, and Iván Abdel Marín Medrano. "Sustainable financing of public investment: evidence for Mexico, 1990-2019." Revista Finanzas y Política Económica 13.1 (2021): 43-75. Available at [Revista Finanzas y Política Económica](#)
- Mota, José Luis Hernández, and Iván Abdel Marín Medrano. "Welfare and integration in Latin America: the role of FDI." Revista de Economía Mundial 61 (2022): 91-110. Available at [Revista de Economía Mundial](#)