Jose Antonio Muñiz, PhD

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Research Interests

Sustainable finance and corporate social responsibility · Financial markets and private sector development · Applied econometrics · AI, digitalisation, and firm value · Monetary policy and financial stability

Current Job

School of Public Policy (LSE) – Research Assistant Dec 2025 - Present

With: *Prof. Vanessa Rubio-Márquez*

- Produce quantitative research applying econometric and causal inference methods to financial regulation, AI and digitalisation generating publishable research and policy outputs for academic and institutional audiences.
- Provide evidence-based analysis of governments and multilateral organisations, translating rigorous empirical research data from Latin America and the Caribbean.
- Collaborate with faculty and external stakeholders to develop interdisciplinary research projects linking financial markets, technological change, and public policy.
- Represent the School's research agenda through high-level academic and policy engagement, convening leading scholars, cabinet ministers, multilateral organisations, and industry leaders.

Education

University of Bath - *Ph.D. Finance* 2025

Thesis: *"Essays in Finance: Social Responsible Investment and its Policy Implications"*
Supervisor: Prof. Shaen Corbet and Dr. Charles Larkin

IPADE Business School - *MBA* 2016

(with studies at Solvay Business School)

ITAM - *B.Sc. Actuarial Science* 2012

Publications

- **Muñiz, J. A.**, Corbet, S. and Larkin, C. "Understanding the Use of Unconventional Monetary Policy for Portfolio Decarbonisation in Europe". *Journal of International Money and Finance*, **2025**, (50). doi.org/10.1016/j.jimonfin.2024.103231
- **Muñiz, J. A.**, Corbet, S. and Larkin, C. "The influence of employee health and safety policies on the value of the organization". *Journal of Safety Research*, **2026**, (97). doi.org/10.1016/j.jsr.2026.04.003
- Conlon, T., Corbet, S., Larkin, C. and **Muñiz, J. A.** "Systemic Risk Transmission to Energy Futures: Weekend Information Gaps and the Breakdown of Pricing Efficiency". *Journal of Future Markets*, **2026**. (*forthcoming*)
- Akyildirim, E., Corbet, S., **Muñiz, J. A.**, and Scrimgeour, F. "Market Perceptions of ESG Reputational Risk in the US Pharmaceutical Industry". *Corporate Social Responsibility and Environmental Management.* **2026**. doi.org/10.1002/csr.70396
- Machado, M., Coita, I. I., et al. (incl. **Muñiz, J. A.**) "What do we know about fraud detection in Peer-to-Peer Lending? A Systematic Literature Review". **2024**.

Research Experience

Institute of Policy Research (University of Bath) - Researcher July 2024 - Dec 2025

With: *Dr. Charles Larkin*

- Wrote policy briefings in a variety of topics with focus on quantitative analysis of monetary policies, pension laws, among others to be used by stakeholders in the decision-making process of new implementations or changes of existing policies.
- Applied panel econometrics and causal inference methods to AI regulation, digitalisation in capital markets, monetary policy, and pension reform; findings used directly in institutional policy decisions.

European Cooperation in Science and Technology (COST) – Research Member Sept 2022 - Sept 2024

Advisor: *Prof. Joerg Osterrieder (undertaken during PhD)*

- Presented research on AI and Fintech regulation to EU regulatory committees; contributed to COST Action CA19130 deliverables on financial innovation.

- Designed and deployed an R/Shiny platform for comparative analysis of financial time series across 40+ countries, fulfilling a key Action deliverable.

Essex Business School (University of Essex) - Research Assistant April 2023 - Dec 2023

Advisor: *Prof. Silvia Gaia (undertaken during PhD)*

- Contributed to an FRC-commissioned study on the financial reporting consequences of the Wates Principles, bridging regulatory policy and empirical accounting research.
- Conducted NLP-based text analysis with a scalable similarity analysis (Python, R) for UK private firms on a research project, measuring specificity and cross-firm similarity of governance disclosures in large private company reports.

Teaching Experience

- **London School of Economics and Political Science (LSE), Department of Management**
  - *Executive Global Master's in Management:* Capstone Project Tutoring 2021-2026
  - *MSc Management*: Mathematics, Statistics and Stata Introduction 2025
  - *MSc Economics & Management*: Advanced Stata for Econometrics 2025
  - *Global MSc Management*: Mathematics 2025
- **University of Waikato**
  - *MSc Finance:* Introduction to Fintech (Adjunct to Prof. Shaen Corbet) 2024
- **School of Management, University of Bath**
  - *MSc Finance:* Corporate Finance, Seminar Leader 2023
- **ITAM**
  - *BSc Actuarial Sciences:* Financial Mathematics II (Module Leader) 2020
  - *BSc Actuarial Sciences and BSc Mathematics:* Theory of Interest (Module Leader) 2020
- **IPADE Business School**·
  - *MBA:* Quantitative Tools (Module Leader), Decision Analysis (Guest Teacher) 2017-2018

Fellowships and Awards

- **Bank of Mexico Doctoral Scholarship -** £20,000 **-** competitive award for doctoral research.
- **Doctoral Scholarship -** £9,000 **-** Mexican national science and education fellowship.
- **COST Short-Term Scientific Mission Grant -** £2,000 **-** European Cooperation in Science and Technology.

Conferences

- COST FinAI Conference - Reykjavik, Iceland 2024
- COST FinAI PhD School on Fintech and AI in Finance - University of Twente, Netherlands 2024
- SESTEF - Southampton Business School, UK 2023
- BAFA Financial Markets and Institutions SIG Conference - Nottingham Trent University, UK 2023
- International Congress of Actuary - Washington, USA 2014

Other Publications: Manuscripts in Progress and Under Review

- Conlon, T., Corbet, S. and Muñiz, J. A. and Staunton, D. "Common Global Volatility Shocks and State-Dependent Transmission to Cryptocurrency Markets". (R&R)
- Corbet, S., Muñiz, J. A. and Staunton, D. "Investor Sanctions for Greenwashing: Evidence from Fintech Firms". (R&R)
- Muñiz, J. A., Larkin, C. and Garcia-Lazaro, A. "Does AI Investment Really Improve Equity Performance? AI Job Creation and Firm Value: Lessons from the S&P 500". (In Preparation)
- Corbet, S., Cameron, M. and Muñiz, J. A. "The Financial Costs of Corporate Social Irresponsibility in the Beverage-Producing Industry". (R&R)
- Muñiz, J. A., Corbet, S. and Larkin, C. "Strategic Transparency: The Impact of Early Sustainability Reporting on Financial Performance". (R&R)
- Conlon, T., Corbet, S. and Muñiz, J. A. "Echoes of Innovation: Abnormal Market Returns Surrounding GenAI Releases". (R&R)
- Muñiz, J. A. and Corbet, S. "Generative AI and the New Technology Cycle: Valuation Dynamics and Financial-Stability Trade-offs". (In Preparation)

Additional Experience

Valuarte Consulting - Consulting Manager June 2017 - Aug 2020

- Advised government entities on pension reform using actuarial and econometric models; digitalised analytical workflows reducing modelling time by 60%.

Citi Banamex - Portfolio Manager Aug 2016 - May 2017

- Managed a MXP $100M+ mortgage-linked securities portfolio; built automated data pipelines and predictive models for central bank policy transmission.
- Built predictive models to quantify central bank policy transmission mechanisms across mortgage and debt exposures.

Old Mutual - Senior Actuary Dec 2012 – Aug 2014

- Led the implementation of Solvency II (EU's risk-based capital regulatory framework) across Old Mutual Mexico, coordinating quantitative risk modelling, regulatory reporting, and internal controls for compliance with the Mexican regulator (CNBV), part of the industry-wide regulatory transition affecting the entire Mexican insurance sector.
- Oversaw valuation, projection and performance analysis for a product portfolio exceeding USD $485M in assets, identifying financial adjustments and risk-mitigation actions reporting to Head Office in South Africa.
- Presented Financial Impact Reports to the Risk Committee and supported regulatory due diligence with Mexican authorities.

Skills & Languages

- **Languages:** Spanish (native), English (fluent/professional).
- **Methods:** Panel econometrics, causal inference (DiD, IV), GARCH modelling, event studies, NLP, machine learning.
- **Software:** R (advanced), Python (NLP, data pipelines), Stata, MATLAB, Qualtrics.
- **Domains:** AI & Fintech regulation, digitalisation, sustainable finance, monetary policy, fixed income, Solvency II.

Academic Service

- Reviewer: *Journal Supply Chain Management*.
- Reviewer: *Finance Research Letters*.

References

- Prof. Vanessa Rubio-Márquez, Associate Dean for Extended Education, School of Public Policy LSE, UK, v.rubio-marquez@lse.ac.uk
- Prof. Shaen Corbet, Professor of Finance, DCU Business School, Ireland, shaen.corbet@dcu.ie