Joanne Im

Address: 100 Main St., Cambridge, MA 02142

Email: joanneim@mit.edu

Webpage: https://sites.google.com/view/joanneim

Education

2024 exp.	Ph.D., Finance, MIT Sloan School of Management
	Research interests: Climate Finance, International Finance, Corporate Finance
2021	M.S., Management Research, MIT Sloan School of Management
2016	B.A., Economics, magna cum laude, Princeton University

References

Professor Deborah J. Lucas	Professor Hui Chen	Professor Catherine Wolfram
MIT Sloan	MIT Sloan	MIT Sloan
dlucas@mit.edu	huichen@mit.edu	cwolfram@mit.edu
(617) 715-4816	(617) 324-3896	(617) 258-5729

Published Papers

"U.S. Treasury Premium" (2018) with Wenxin Du and Jesse Schreger, **Journal of International Economics**, 112, 167-181. (Link)

Job Market Paper

"The Climate and Financial Consequences of Fossil Fuel Power Plant Sales in the US" (Link to Latest Copy)

Summary: I exploit M&A-induced deals of fossil fuel power plants by publicly traded firms to estimate divestment effects on plant production and emissions at the unit level, and divestment announcements on seller valuations in 2002-2020. I then present a simple model of firm production and emissions in which publicly traded firms, but not privately held firms, experience a shock to their private costs of emitting. The results casts doubt on ESG investor strategies that stress divestment as a way to reduce aggregate emissions and suggests that shifts in ownership to privately owned firms will not lead to large increases in emissions.

Works in Progress

"Evaluating Schemes to Green Battery Arbitrage" (joint with Thomas Lee)

Summary: We derive conditions under which a popular policy for greening electricity battery arbitrage–compensating batteries for the marginal emissions (ME) they take off the grid–increases, decreases, or has no effect on aggregate emissions from electricity generation.

Unpublished Manuscripts

"Distribution Shifts in Review Classification by BERT and T5 (NLP Models)"
(joint with Sehaj Chawla and Eduardo Boratto)

Summary: We test the generalizability of algorithms that detect fake reviews based on review text by exploring the effects of distribution shifts (with respect to time, industry type, product type, and sentiment) on the performance of four pre-trained and fine-tuned transformer models. The first three models are neural nets built on top of three pre-trained instances of BERT (large, small, and mobile), which generate contextualised embedding of review text in a way that is mechanically independent from our training dataset. Our fourth model is the small T5 transformer.

Teaching

Spring '23	TA for "Analytics of Finance" and "Advanced Analytics of Finance" taught by Hui Chen, Master of Finance
Winter '22,23	TA for "Global Financial Markets" taught by Adrien Verdelhan, Executive MBA
Summer'19,'20	TA for "Finance Theory" taught by Leonid Kogan and Jiang Wang, Master of Finance

Work Experience

2016–2018	Senior Research Assistant at the Federal Reserve Board's Global Monetary and Sovereign Markets Group | Washington, D.C.
2013–14	Researcher at Union Square Group | New York, NY
2012-2013	Business and Marketing Intern at Ordr.x | New York, NY

Other

Referee	Journal of Banking and Finance
Awards	MIT Graduate PhD Fellowship (2018-2023), MIT Presidential Fellowship (2018-2019)
Computer Skills	Python, R, STATA
Citizenship	U.S.