Mert Demirer

MIT Sloan School of Management, E62-521
100 Main St, Cambridge, MA 02142

Email: mdemirer@mit.edu
Website: http://www.mertdemirer.com/

Academic Positions

Assistant Professor of Economics, MIT Sloan School of Management, July 2021-

Faculty Research Fellow, National Bureau of Economic Research, April 2023-

Post-doctoral Researcher, Microsoft Research New England, 2020-2021.

Education

Ph.D. Economics, MIT, 2020.

   Committee: Nikhil Agarwal, Daron Acemoglu, Anna Mikusheva, and Victor Chernozhukov.

M.A. Economics, Koc University, 2013

B.S. Electrical and Electronics Engineering, Boğaziçi University, 2011

Fields of Interest

Industrial Organization, Econometrics, Machine Learning

Working Papers

"Do Mergers and Acquisitions Improve Efficiency: Evidence from Power Plants"
with Omer Karaduman

"Data, Privacy Laws and Firm Production: Evidence from GDPR"
with Diego Jimenez Hernandez, Dean Li and Sida Peng.

"Production Function Estimation with Factor-Augmenting Technology: An Application to Markups"
R&R, *Econometrica*

"Drug Rebates and Formulary Design: Evidence from Statins on Medicare Part D"
with Alex Olssen
R&R, *Journal of Political Economy, Microeconomics*

"Generic Machine Learning Inference on Heterogeneous Treatment Effects in Randomized Experiments"
with Victor Chernozhukov, Esther Duflo and Ivan Fernandez-Val
Conditionally accepted, *Econometrica*

"Production Function Estimation with Imperfect Proxies"

Publications

"Double/Debiased Machine Learning for Treatment and Structural Parameters" with Victor Chernozhukov, Denis Chetverikov, Esther Duflo, Christian Hansen, Whitney Newey and James Robins.
The Econometrics Journal 21.1 (2018): C1-C68.

"Double/Debiased/Neyman Machine Learning of Treatment Effects" with Victor Chernozhukov, Denis Chetverikov, Esther Duflo, Christian Hansen and Whitney Newey.
American Economic Review Papers and Proceedings, 2017, vol. 107, issue 5, pp. 261-265.

"Estimating Global Bank Network Connectedness" with Francis X. Diebold, Laura Liu, Kamil Yilmaz.
Journal of Applied Econometrics 33, No. 1 (2018): 1-15..

"Semi-Parametric Efficient Policy Learning with Continuous Actions" with Vasilis Syrgkanis, Greg Lewis, Victor Chernozhukov.
Advances in Neural Information Processing Systems 32 (NIPS 2019).

Work in Progress

"Quantifying R&D Synergies in Pharmaceutical Markets"
with Catherine Ishitani and Alex Olssen.

"Dynamic Frictions and Cloud Computing: A Study of Misallocation and Business Dynamism"
with James Brand and Rebekah Dix.

"Welfare Effects of Buyer and Seller Power"
with Antonio Martner and Michael Rubens.

Other Papers

"Partial Identification of Linear Models Using Homophily in Network Data"

"Financial Sector Volatility Connectedness and Equity Returns"
with Umut Gokcen, Kamil Yilmaz.

Professional Activities

Refereing:

Econometrica, American Economic Review, Quartely Journal of Economics, Journal of Political Economy, Review of Economic Studies, Review of Economics and Statistics, Rand Journal of Economics, American Economic Review: Insights, Management Science, International Journal of Industrial Organization, American Economic Journal: Macroeconomics, American Economic Journal: Applied Economics, Journal of Public Economics, Journal of Banking and Finance, Journal of Financial Econometrics, Journal of Applied Econometrics, Quantitative Economics, Journal of the European Economics Association, Econometrics Journal, Econometric Reviews, Journal of Economic Growth, Southern Economic Journal, Journal of Economic Growth, Review of Empirical Finance, Annals of Economics and Statistics, Biometrika, National Science Foundation.

Seminer Presentation:

2023: (including scheduled): Chicago Fed, University of Iowa, IIOC, Leuven Summer Event, University of Glasgow, CEPR/JIE Conference on Applied Industrial Organization, Hal White Antitrust Conference, Barcelona Summer Forum, CRESSE, ZEW Conference on the Economics of Information and Communication Technologies, NBER IO Summer Institute, EARIE, Israel IO Day

2022: Princeton University, Pennsylvania State University, Koc University, Bilkent University, Erasmus University Rotterdam, Federal Trade Commissions Microeconomics Conference, Boston Conference on Markets and Competition, Ridge Winter Forum (Industrial Organization), NBER Organizational Economics Fall Meeting, Stanford SITE Conference, Cowles Foundation Conference on Models and Measurement (Discussant), ASSA 2022 Annual Meeting

2021: Stanford University, University of Michigan, The University of Texas at Austin, Columbia University, ASSA 2021 Annual Meeting (Discussant), Econometric Society European Winter Meeting, CEMFI

2020: MIT Sloan School of Management, Toronto University, Microsoft Research New England, Yale School of Management, University of Pennsylvania, Boston University, Carnegie Mellon University Tepper Business School, Duke University, Microsoft Research Redmond, Charles River Associates, Koc University

Honors, Awards, & Fellowships

MIT Climate and Sustainability Consortium Seed Award, 2022

MIT Sloan Health Systems Initiative Research Grant, 2022

MIT Sloan Junior Faculty Research Assistance Program (JFRAP) Grant, 2022

Mack Institute Research Fellowship, 2021

MIT Robert M. Solow Prize for Excellence in Graduate Research and Teaching, 2020

Richard Stone Prize for "Estimating Global Bank Network Connectednes" (with Francis X. Diebold, Laura Liu, Kamil Yilmaz), Journal of Applied Econometrics (Best paper in two volumes.), 2020

George & Obie Schulz Fund Grant, 2018-19

UniCredit & Universities Crivelli Europe Scholarship. 2014-16

Koç University High Merit Scholarship, 2012-14