

Mert Demirer

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Employment

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

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

"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
R&R, *Econometrica*

"Production Function Estimation with Imperfect Proxies"

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

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

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.

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

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, 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 Applied Econometrics, Quantitative Economics, Journal of the European Economics Association, Econometrics Journal, Econometric Reviews, Journal of Economic Growth, Southern Economic Journal, Review of Empirical Finance, Annals of Economics and Statistics, Biometrika, National Science Foundation.

Seminer Presentation:

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

Mack Institute Research Fellowship, 2021

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