Maximilian Kasy

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Employment

Associate Professor, Department of Economics, Oxford University	2020-present
Associate Professor, Department of Economics, Harvard University	2016-2019
Assistant Professor, Department of Economics, Harvard University	2012-2016
Assistant Professor, Department of Economics, UCLA	2011-2012

Education

Habilitation, WU Vienna	May 2018
Ph.D. in Economics, UC Berkeley	May 2011
M.A. in Statistics, UC Berkeley	May 2008
Mag.rer.nat. in Mathematics, University of Vienna	June 2006
Mag.rer.soc.oec. in Economics, University of Vienna	June 2005

Affiliations

Associate of the Department of Economics, Harvard University	2020
Jain Family Institute senior research fellow (Basic Income Initiative)	2019-present
Consulting Researcher, MSR Alice (Artificial Intelligence Project)	2017
Junior Associate Professor, Institute of Advanced Studies, Vienna	2011-present

Grants and Awards

Master of Arts by Resolution, Oxford University	2020
ECINEQ Anthony Atkinson Award (with Pirmin Fessler and Peter Lindner)	2019
Marquand Award for Excellence in Advising and Support (Harvard undergraduates)	2019
Alfred P. Sloan Foundation research grant	2018-2021
ASciNA Award Junior PI	2016
NSF Grant SES-1354144 "Statistical Decisions and Policy Choice"	2014-2016
Young Economist Award, Economic Association of Austria	2014

Publications

"Adaptive treatment assignment in experiments for policy choice" (with Anja Sautmann)
Econometrica, 2021

"Which findings should be published?" (with Alexander Frankel)
Forthcoming, American Economic Journal: Microeconomics, 2021

"Who wins, who loses? Tools for distributional policy evaluation"
Forthcoming, Journal of Econometrics, 2021

"Fairness, equality, and power in algorithmic decision making" (with Rediet Abebe)
Forthcoming, ACM Conference on Fairness, Accountability, and Transparency, 2021

"Adaptive targeted infectious disease testing" (with Alexander Teytelboym)
Oxford Review of Economic Policy, 2020

"Approximate cross-validation: Guarantees for model assessment and selection" (with Lester Mackey and Ashia Wilson), *Artificial Intelligence and Statistics,* 2020

"Identification of and correction for publication bias" (with Isaiah Andrews)
American Economic Review, 2019, volume 109, issue 8

"Choosing among regularized estimators in empirical economics" (with Alberto Abadie)
Review of Economics and Statistics, 2019, volume 101, issue 5

"How to use economic theory to improve estimators" (with Pirmin Fessler)
Review of Economics and Statistics, 2019, volume 101, issue 4

"No data in the void: Values and distributional conflicts in empirical policy research and artificial intelligence," *Economics For Inclusive Prosperity*, 2019

"Uniformity and the delta method"
Journal of Econometric Methods, 2019, volume 8, number 1

"Survey methodology and the measurement of income inequality" (with Pirmin Fessler and Peter Lindner) *The Journal of Economic Inequality,* 2019, volume 16, issue 4

"Optimal taxation and optimal insurance using machine learning"
The Journal of Public Economics, 2018, volume 167

"Why experimenters might not always want randomize, and what they could do instead"
Political Analysis, 2016, volume 24, number 3

"Partial identification, distributional preferences, and the welfare ranking of policies"
Review of Economics and Statistics, 2016, volume 98, number 1

"Erratum 'Instrumental variables with unrestricted heterogeneity and continuous treatment'," (with Stefan Hoderlein, Hajo Holzmann, and Alexander Meister)
Review of Economic Studies, 2016

"Identification in a model of sorting with social externalities and the causes of urban segregation"
Journal of Urban Economics, 2015, volume 85

"Nonparametric inference on the number of equilibria"
The Econometrics Journal, 2015, volume 18, number 1

"Instrumental variables with unrestricted heterogeneity and continuous treatment"
   Review of Economic Studies, 2014, volume 81, number 4
   (don't cite, please see erratum)

"The impact of changing family structures on the income distribution among Costa Rican women 1993-2009," (with Alvaro Ramos-Chaves)
   Feminist Economics, 2014, volume 20, number 2

"Identification in Triangular Systems Using Control Functions,"
   Econometric Theory, 2011, volume 27, number 3

"A nonparametric test for path dependence in discrete panel data"
   Economics Letters, 2011, volume 113, number 2

"Semiparametrically Efficient Estimation of Conditional Instrumental Variable Parameters,"
   International Journal of Biostatistics, 2009, volume 5, issue 1, article 2

Working papers and work in progress

"Selective publication of findings: Why does it matter, and what should we do about it?"
   Conditionally accepted, Journal of Economic Perspectives, 2020

"An Adaptive Targeted Field Experiment: Job Search Assistance for Refugees in Jordan"
   (with Stefano Caria, Grant Gordon, Soha Osman, Simon Quinn, and Alex Teytelboym)

"Adaptive combinatorial allocation" (with Alexander Teytelboym)

"Adaptive experiments: A guide for practitioners" (with Anja Sautmann)

"Pre-analysis plans, conflicting interests, and costly communication" (with Jann Spiess)

"Surrogates, multi-tasking, and the alignment problem" (with Rediet Abebe)

"Intergenerational mobility and optimal income taxation"

Online textbook

"Empirical research on economic inequality"
   http://inequalityresearch.net/

Conferences

"Machine learning and economic inequality"
   https://maxkasy.github.io/home/ML_inequality_conference/

"Statistics in a social context"
   https://maxkasy.github.io/home/StatisticsSocialConference/

Web-apps

App for treatment assignment in adaptive experiments for policy choice
   https://maxkasy.shinyapps.io/exploration_sampling_dashboard/

App for optimal treatment assignment in experiments for treatment effect estimation
   https://maxkasy.github.io/home/treatmentassignment/

App for estimating publication bias using meta-studies
https://maxkasy.github.io/home/metastudy/

App for Thompson sampling for contextual bandits
https://maxkasy.github.io/home/hierarchicalthompson/

Teaching

Oxford University	Foundations of machine learning (graduate)
	Labor economics (undergraduate)
	Quantitative Economics (tutorial)
Harvard University	Advances in causality and foundations of machine learning (second year PhD)
	Microeconometric methods (first year PhD)
	Empirical Research on Economic Inequality (undergraduate)
	Applied Econometrics (undergraduate)
	Topics in Econometrics (second year PhD)
	Econometrics I (first year PhD)
	Foundations of Econometrics (first year PhD)
Brown University	Advances in causality and foundations of machine learning (PhD elective)
University of Zurich	Empirical Research on Economic Inequality (PhD elective)
IHS Wien	Applied Microeconometrics (master program)
	Topics in Econometrics (master program)
	Empirical Research on Economic Inequality (master program)
UCLA	Statistics for Economists (undergraduate),
	Econometrics: Identification and Parameters of Interest (second year PhD)
Sabancı University	Introduction to Econometrics (undergraduate)
UC Berkeley	GSI Graduate Macroeconomics, Graduate Econometrics

Presentations

2021 Econometric Society Winter Meetings, Bristol/Warwick
Upcoming: Paris School of Economics, Oxford econometrics lunch, FAccT conference, Harvard philosophy of causality seminar, ETH Zurich, INEQ seminar Vienna

2020 Workshop on Causality and Machine Learning St Gallen, Financial Conduct Authority London, Oxford Computer Science, Oxford Economics, CEU Budapest, Berkeley, University of Potsdam, DIW Berlin, DICE Düsseldorf, Gary Chamberlain Seminar of Econometrics, JFI Research Session, Econometric Society World Congress, Georgetown/World Bank, Stanford, UCL, AI Austria, NeurIPS conference, Salzburg

2019 McGill University, University of Toronto, Brandeis, Oxford, Amazon, University of Pittsburgh, Carnegie Mellon, Syracuse, Jain Family Institute, Harvard, conference "Statistics in a social context," conference honoring Whitney Newey

2018 North American Meeting of the Econometric Society, AEA machine learning session, CEU Budapest, Brandeis, CUNY, ITAM Mexico City, Federal Reserve NY, conference honoring Gary Chamberlain, Warwick, machine learning conference Munich, Bonn, Applied Econometrics Meetings Montreal, Econometric Society European meetings, Bocconi, CUNY, LSE, Humboldt University Berlin, Philosophy of Causality conference at Harvard, Northwestern University, BITTS conference at UC Berkeley, Sciences Po Paris

2017 University of Vienna, CREST Paris, Microsoft Research, IHS Wien, University of Göttingen, NBER SI Labor meetings, "Interactions" keynote at University of Toronto, keynote at "Sozialstaatsenquete" Austria, Columbia University, Sciences Po, FU Berlin

2016 Harvard reverse AGT workshop, University of Maryland, Penn State, University of Virginia, LSE, UCL, WU Wien, LMU Munich, University of Zurich, Harvard/MIT Econometrics, Harvard Development retreat, WIFO Vienna

2015 North American Meeting of the Econometric Society (Boston), University of Pittsburgh, Duke, UBC, SFU, University of Graz, Hebrew University, Tel Aviv University, WU Wien, University of Linz, Austrian National Bank, University of Rochester, Bank of Canada, Brown,

2014 North American Meeting of the Econometric Society (Philadelphia), Harvard Development Retreat, Harvard Public Finance, Georgetown, NYU, CEMFI Madrid, Warwick University, Oxford, NOeG meetings Vienna, "Interactions" workshop at the University of Chicago, UMass Amherst

2013 Harvard Labor Economics, Harvard School of Public Health, UT Austin, Princeton, Columbia, Stanford microeconometrics conference, European meeting of the Econometric Society (Gothenburg), Northwestern University, RAND Los Angeles, Stanford, UC Berkeley

2012 North American Meeting of the Econometric Society (Chicago), Harvard, USC, UCR, Conference on Partial Identification and Statistical Decisions (Cornell), Institute of Advanced Studies (Vienna), Yale University, Harvard Institute for Quantitative Social Science, University of Toronto, Boston College, Boston University

2011 UCLA, USC, NYU, Brown University, UPenn, LSE, UCL, Sciences Po Paris, Toulouse School of Economics, University of Mannheim, Université de Montreal, Penn State, California Econometrics Conference (USC), UCSD

2010 North American Meeting of the Econometric Society (Atlanta), California Econometrics Conference (Stanford), University of Amsterdam, Austrian Academy of Sciences, Institute of Advanced Studies (Vienna), University of Vienna

2009 European Meeting of the Econometric Society (Barcelona), Austrian National Bank

2008 Latin American Meeting of the Econometric Society (Rio de Janeiro)

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