

## Research Appointments

ETH Zurich

Assistant Professor of Law, Economics, and Data Science, 2018–.

University of Warwick

Assistant Professor, Department of Economics, 2017–2018.

Princeton University

Postdoctoral Research Fellow, Center for the Study of Democratic Politics, 2016–2017.

## Education

Columbia University

Ph.D 2016                      Economics

J.D. 2010                      Law

University of Amsterdam

LLM 2010                      International Criminal Law

University of Texas at Austin

B.A. 2007                      Plan II Honors, Economics, Government, and Philosophy

## Research Interests

Law and Economics, Political Economy, Public Finance, Applied Micro, Machine Learning, Text Data

## Publications

“Sequential decision-making with group identity” (with Jessica Van Parys), *Journal of Economic Psychology* (2018).

“What kind of judge is Brett Kavanaugh? A quantitative analysis” (with Daniel Chen), *Cardozo Law Review* (2018).

“Comment: Emerging tools for a ‘driverless’ legal system,” *Journal of Institutional and Theoretical Economics* (2018).

“Elections and divisiveness: Theory and evidence” (with Massimo Morelli and Richard Van Weelden), *Journal of Politics* (2017).

“New Policing, New Segregation: From Ferguson to New York” (with Jeffrey Fagan), *Georgetown Law Journal* (2017).

“Intrinsic motivation in public service: Theory and evidence from state supreme courts” (with Bentley MacLeod), *Journal of Law and Economics* (November 2015).

“On the behavioral economics of crime” (with Frans van Winden), *Review of Law and Economics* (2012).

## Working Papers

“What really drives partisan tax policy? The effective tax code” (job market paper).

“Elections as incentive and selection device: The case of state supreme courts” (with Bentley MacLeod).

“Ideas have consequences: The impact of law and economics on American justice” (with Daniel Chen and Suresh Naidu).

“The language of contract: Promises and power in union collective bargaining agreements” (with Bentley MacLeod and Suresh Naidu)

“Mapping the geometry of law using document embeddings” (with Daniel Chen).

“Aging and retirement in a high-skill group: The case of appellate judges” (with Bentley MacLeod).

“Religious freedoms and religiosity: Evidence from randomly assigned judges” (with Daniel Chen).

“Local public finance and discriminatory policing: Evidence from traffic stops in Missouri” (with Jeffrey Fagan and Allison Harris).

“Property taxes and local labor markets: Evidence from staggered property reassessments.”

“The making of international tax law: Empirical evidence from treaty text” (with Omri Marian).

“Algorithms as Prosecutors: Lowering Rearrest Rates Without Disparate Impacts and Identifying Defendant Characteristics 'Noisy' to Human Decision-Makers” (with Daniel Chen).

“Civil service reform in U.S. states: Structural causes and impacts on delegation” (with Massimo Morelli and Matia Vannoni).

“Proportional representation causes party politics: Evidence from New Zealand using a policy topic model” (with Massimo Morelli and Moritz Osnabrugge).

“Legislative detail and economic growth: The case of U.S. states” (with Massimo Morelli and Matia Vannoni).

“Toward Automated Policy Analysis Using Judicial Corpora” (with Daniel Chen).

“Polarization of Precedent, Not Prose, in U.S. Circuit Courts, 1930-2013” (with Daniel Chen and Wei Lu).

“Implicit Bias in the Judiciary: Evidence from Judicial Language Associations” (with Daniel Chen and Arianna Ornaghi).

“Automated Fact-Value Distinction in Court Opinions” (with Yu Cao and Daniel Chen).

“Automated Classification of Modes of Moral Reasoning in Judicial Decisions” (with Daniel Chen, Nischal Mainali, and Liam Meier).

“Machine Prediction of Appeal Success in U.S. Asylum Courts,” (with Daniel Chen).

“A Research-Based Ranking of Public Policy Schools” (with Miguel Urquiola).

## Grants

Swiss National Science Foundation, Scientific Exchanges Award, “Data Science for Law Conference,” CHF 11,100 (2019).

Turing Economic Data Science Award (with Thiemo Fetzer), “Letting Text Speak to Economic Data,” £15,000 (2018-2019).

Princeton University Center for Health and Wellbeing Seed Grant (with Bentley MacLeod), “Aging and Work: The Health Consequences,” \$39,680 (2018-2020).

European Research Council Extension Grant (PI: Massimo Morelli), “Bureaucracy, Populism, and Political Stability: Theory and Evidence,” €224,374 (2017-2019).

Washington Center for Equitable Growth Research Grant (with Bentley MacLeod and Suresh Naidu), “Language, Laws, and Labor Contracts,” \$80,000 (2017-2019)

National Science Foundation Grant SES-1459932 (PI's: Bentley MacLeod and Suresh Naidu), “Language, Laws, and Labor Contracts in the 20th Century,” \$160,000 (2015-2017)

Columbia University Program for Economic Research Seed Grant (with Suresh Naidu), “Laws, Contracts, and Performance: Evidence from Collective Bargaining Agreements,” \$6,500 (2014-2015).

National Science Foundation Grant SES-1260875 (PI: Bentley MacLeod), “A Study into the Effect of Employment Conditions upon Judicial Behavior and Performance,” \$228,000 (2013-2016)

Columbia University Program for Economic Research Seed Grant (with Bentley MacLeod), "Employment Conditions and Judge Behavior," \$6,000 (2012-2013).

Columbia University Experimental Lab in the Social Sciences Research Grant (with Jessica Van Parys), "Bayesian Communication with Group identity," \$1,000 (2013).

## Teaching

ETH Zurich, Department of Economics

Co-organizer, Law and Data Science Interdisciplinary Master (2018-)

Lecturer, Building a Robot Judge: Data Science for the Law (Spring 2019)

Lecturer, Fiscal Policy and Inequality (Fall 2018)

Bocconi University, Department of Economics

Visiting Instructor, Text Analysis and Machine Learning for Social Science (Fall 2018)

University of Warwick, Department of Economics

Dissertation Supervisor (11 Msc students, Summer 2018)

Lecturer, Topics in Public Finance (Msc, Spring 2018)

Lecturer, Making of Economic Policy (Bsc, Fall 2017, Spring 2018)

New York University, Center for Data Science

Project Advisor, Machine Learning and Computational Statistics (Spring 2017, Spring 2018)

Columbia University, Department of Economics

Adjunct Assistant Professor, Master of Arts Thesis Course (Spring/Summer 2017)

Instructor, Law and Economics (undergraduate) (Summer 2014)

TA, Perspectives on Economic Studies (PhD), Profs. Joe Stiglitz and Jeff Sachs (Spring 2013)

TA, Political Economy (undergraduate), Prof. Massimo Morelli (Fall 2012)

International Max Planck Research School

Instructor, Text Analysis and Machine Learning for Social Science (Summer 2017)

## Fellowships and Awards

University of Warwick CAGE Research Associate (2018-)

Ronald H. Coase Best Dissertation Award (2017)

Russell Sage Foundation Summer Institute in Computational Social Science (2017)

Research Fellowship, Columbia University Department of Economics (2015-2016)

C. Lowell Harriss Dissertation Fellowship, Lincoln Institute of Land Policy (2014-2015)

NSF Graduate Research Fellowship (2011-2014)

Faculty Fellowship, Columbia University Department of Economics (2010-2011, 2014-2015)

Harlan Fiske Stone Scholar, Columbia Law School (2008-2010)

## Referee Service

*American Economic Journal: Economic Policy, Association for Computational Linguistics, Economica, European Association of Law and Economics (Area Organizer for Law and Machine Learning), European Journal of Law and Economics, Journal of Law and Economics, Journal of Legal Studies, Journal of Politics, Journal of Public Economics, Journal of the European Economic Association, Law & Society Review, Macroeconomic Dynamics, Scandinavian Journal of Economics, Stanford Law Review*

## Seminar and Conference Presentations

- 2018 (incl. Expected): International Symposium on Ethical Algorithms (keynote), KU Leuven Empirical Legal Studies Seminar, Conference on Empirical Legal Studies, Università della Svizzera Italiana IdEP Seminar, New Directions in Analyzing Text as Data, HKU Computational Legal Studies Workshop, Barcelona Graduate School of Economics Summer Forum (Organizational Economics), CAGE-SMF Briefing, Tinbergen Econometric Institute Workshop, Center for Empirical Legal Studies in Europe, Warwick PEPE Research Day, IZA Labor Statistics Workshop, Reatch Panel on Algorithmic Justice, Université Paris Nanterre LIEN Seminar, NYU NLP and Text as Data Speaker Series, Online Workshop on Computational Analysis of Law, Manifestos Corpus Conference, Bonn Law & Economics Workshop
- 2017: Santa Fe Institute Computational Study of the Law Working Group, Warwick CAGE Research Workshop, National Tax Association, Conference on Empirical Legal Studies, American Political Science Association, Society for Institutional & Organizational Economics, World Bank Workshop on Data and Evidence for Justice Reform, Journal of Institutional and Theoretical Economics (discussant), American Law and Economics Association, Princeton CSDP Conference on Real-World Impacts of Legal Text (organizer), Israel Law and Economics Association, Princeton Public Law Working Group, Association for the Study of Religion, Economics, and Culture, Northwestern University Colloquium on Law and Economics, ETH Zurich Center for Law & Economics
- 2016: Bocconi University Department of Economics, Princeton Center for Study of Democratic Politics, Conference on Empirical Legal Studies in Europe, American Law and Economics Association
- 2015: Southern Economics Association, Georgetown Symposium on Race and Policing, Columbia Frontiers of Urban Economics Conference, NYU Colloquium on Law, Economics, and Politics, American Political Science Association, Society of Labor Economists, Society for Institutional & Organizational Economics, American Law and Economics Association, Princeton CSDP Workshop on the Political Economy of Bureaucrats
- 2014 and earlier: Latin-American Workshop in Law and Economics, NBER Law and Economics Summer Institute, LSE-NYU Conference on Political Science and Political Economy, Conference on Empirical Legal Studies, American Law and Economics Association, International Atlantic Economic Conference, Heidelberg "Beyond the Economics of Crime" Conference

## Media and Impact

Commission on Justice in Wales, Evidence Submission on Legal Automation, July 2018.

"Kavanaugh is radically conservative. Here's the data to prove it" (with Daniel Chen), *Washington Post*, 10 July 2018.

"Judge, Jury, and EXEcute file: "The brave new world of legal automation," *Social Market Foundation*, 7 June 2018.

## Consultancy

Asia Development Bank: Judicial Reform in People's Republic of China: Using Big Data to Improve Delivery of Justice, Project 51086-001 (2018-2019).

U.S. Department of Justice: Statistical Analysis for Civil Rights Investigation into Ferguson Police Department, 207-42-6 (2015).

## Advisees

Yisihak Abraham, Research Scholar, Harvard University

Jakob Brounstein, PhD Candidate in Economics, UC Berkeley  
Zoey Chopra, MD/PhD Candidate (Economics), University of Michigan  
Dan Deibler, PhD Candidate in Economics, Columbia University  
Sergio Galletta, Postdoctoral Research Fellow, ETH Zurich  
Malka Guillot, Postdoctoral Research Fellow, ETH Zurich  
Gohar Harutyunyan, PhD Candidate in Management, Rutgers Business School  
Vidushi Jayathilak, Pre-doctoral Research Assistant, University of Pennsylvania.  
Elena Labzina, Postdoctoral Research Fellow, ETH Zurich  
Shawn Shi, PhD Candidate in Accounting, Stanford Graduate School of Business  
Joe Sutherland, PhD Candidate in Political Science, Columbia University  
Anthony Tuckwell, PhD in Economics, University of Warwick  
Shi Zhuo, PhD in Economics, University of Warwick

## References

W. Bentley MacLeod (dissertation sponsor), Professor of Economics, Law, and International/Public Affairs, Columbia University, +1 (310) 571-5083, [bentley.macleod@columbia.edu](mailto:bentley.macleod@columbia.edu)  
Suresh Naidu, Assistant Professor of Economics and International/Public Affairs, Columbia University, +1 (212) 854-0027, [sn2430@columbia.edu](mailto:sn2430@columbia.edu)  
Massimo Morelli, Professor of Political Science and Economics, Bocconi University, +39 02 5836 5495, [massimo.morelli@unibocconi.it](mailto:massimo.morelli@unibocconi.it)  
Jeffrey Fagan, Professor of Law, Columbia University, +1 (212) 854-2624, [jfagan@law.columbia.edu](mailto:jfagan@law.columbia.edu)

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