DANIEL E. HO

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ACADEMIC POSITIONS:

Stanford University, Stanford, CA
William Benjamin Scott and Luna M. Scott Professor of Law, Stanford Law School (2015--)
Professor of Political Science (2019--)
Professor of Computer Science (by courtesy) (2023--)
Senior Fellow, Stanford Institute for Human-Centered Artificial Intelligence (HAI) (2023--)
Senior Fellow, Stanford Institute for Economic Policy Research (SIEPR) (2016--)
Faculty Director, Regulation, Evaluation, and Governance Lab (RegLab) (2018--)
Faculty Affiliate, Stanford Woods Institute for the Environment (2019--)

Prior positions:	Professor of Law (2010-15)
	Associate Professor of Law (2009-10)
	Assistant Professor of Law (2006-09)
	Robert E. Paradise Faculty Fellow for Excellence in Teaching and Research (2007-15)
	Professor of Political Science (by courtesy) (2017-19)
	Associate Director, Stanford Institute for Human-Centered Artificial Intelligence (2019-23)
Teaching:	Administrative Law	Statistical Inference in Law	Data: Algorithms, Tools, Policy, and Society	Antidiscrimination Law and Algorithmic Bias	Legal Studies Workshop	Food Law and Policy	Administrative and Regulatory State	Law, Bias, and Algorithms	Law and Politics of Bureaucracy	Policy Practicum: Diversity and Inclusion in Legal Education	Policy Practicum: Administering by Algorithm – Artificial Intelligence in the Administrative State	Policy Practicum: Creating a Social Media Oversight Board for Content Decisions	Policy Practicum: Developing Best Practices for Clean Water Act Enforcement	Policy Practicum: Creating a National Research Cloud
	John Bingham Hurlbut Award for Excellence in Teaching (2010)
Internal service:	Faculty Advisory Board, Stanford Impact Labs (2019--)
	Appointments Committee (Chair 2014-15 (laterals), Chair 2013-14, Member 2010-11)
	Deanship Search Committee (2012, 2018-19)
	Working Group on Diversity and Inclusion (2018)
	Clerkship Committee (2006-10)
	Design Team, Social Problem-Solving (Stanford Impact Labs) Initiative (2018-19)
	Faculty Advisory Council, Women in Data Science (WiDS) Initiative (2020--)
	Joint Degree Committee (2019--)
	Diversity, Equity, and Inclusion Committee (Chair 2021-22, political science)
External service:	Co-Editor, *Journal of Law, Economics, and Organization* (2013-16)
	President (2011-2012), Board of Directors (2009--), Treasurer (2016--), Society for Empirical Legal Studies
	Associate Editor, *Journal of Empirical Legal Studies* (2012--)
	Member, Scientific Advisory Board, Max Planck Institute for Research on Collective Goods (2018-24)

Center for Advanced Study in the Behavioral Sciences, Stanford, CA
Faculty Fellow (2017--)

M.I.T. Jameel Poverty Action Lab (J-PAL), Cambridge, MA
Affiliated Professor (2021--)

Berkman Klein Center for Internet and Society, Harvard University, Cambridge, MA
Faculty Associate (2023--)

University of Notre Dame, Wilson Sheehan Lab for Economic Opportunities, Notre Dame, IN
Faculty Affiliate (2019--)

Yale Law School, New Haven, CT
Maurice R. Greenberg Visiting Professor of Law (Spring 2012)

New York University School of Law, New York, NY
Visiting Professor of Law (Fall 2011)

University of Chicago, Becker Friedman Institute for Research in Economics, Chicago, IL
Visiting Scholar (Spring 2016)

PUBLIC SERVICE / ADVISORY PANELS:

National Artificial Intelligence Advisory Committee, Washington, DC (2022--)
MEMBER. Advising White House National AI Initiative Office on AI policy. Chair of working groups on regulation / executive action and procurement of AI systems.

U.S. Department of Labor, Washington, DC (2023--)
SENIOR ADVISOR ON RESPONSIBLE AI. Advising Department of Labor on AI Strategic Plan.

Committee on National Statistics (CNSTAT), National Academies of Sciences, Engineering, and Medicine, Washington, DC (2022--)
MEMBER. Advising on the federal statistical system and methods for public policy.

Administrative Conference of the United States, Washington, DC (2021--)
PUBLIC MEMBER. Developing recommendations improvements to administrative process and procedure.

American Bar Association President's Task Force on Artificial Intelligence and Law (2023-24)
SPECIAL ADVISOR. Advising Task Force on recommendations about AI in legal domain.

EDUCATION:

Yale Law School, New Haven, CT
J.D., 2005
Honors: Benjamin Scharps Prize for best paper by third-year student
                      John M. Olin Fellow in Law, Economics, and Public Policy
Activities: *Yale Law Journal*, Editor
                      Yale Journal of International Law, Editor
                      Asia Law Forum, Executive Board

Harvard University, Cambridge, MA
Ph.D. in Government, 2004
A.M. in Government, 2004
Honors: Raymond Vernon Prize Fellow in Government
                      Justice, Welfare, and Economics Dissertation Fellowship
                      Center for American Political Studies Research Seed Grant
Dissertation: *Causal Inference in Political Science and Law*

Committee: Gary King (Chair), Jim Alt, Ian Ayres, Kevin Quinn

University of California - Berkeley, Berkeley, CA
B.A., Highest Honors, Political Science, 2000
Honors: Phi Beta Kappa
                Political Science Departmental Citation & Valedictorian
                Owen D. Young Prize in International Relations
                Bennett Essay Prize in Political Science
                Edward Frank Kraft Scholarship Prize
                Best Paper Prize, Politica
                Best Paper Prize, Rice University Political Science Undergraduate Research Conference

CLERKSHIP:

Judge Stephen F. Williams, United States Court of Appeals, District of Columbia Circuit (2005-06)

OTHER AWARDS:

Best Paper Award, AAAI/ACM Conference Artificial Intelligence, Ethics, and Society (AIES), for "The Bureaucratic Challenge to AI Governance: An Empirical Assessment of Implementation at U.S. Federal Agencies" (2023) (with Christie Lawrence and Isaac Cui).

Best Paper Award, ACM Conference on Fairness, Accountability, and Transparency (FAccT), for "The Privacy-Bias Tradeoff: Data Minimization and Racial Disparity Assessments in U.S. Government" (2023) (with Arushi Gupta, Helen Webley-Brown, Victor Wu, and Jen King).

Best Empirical Paper Prize, *American Law and Economics Review*, for "Mandatory Retirement and Age, Race, and Gender Diversity of University Faculties" (2021) (with Oluchi Mbonu and Anne McDonough).

Innovative Practice Gold Award for Santa Clara County Public Health Department & RegLab collaboration for "the highest level of program innovation" to serve "community during the COVID-19 pandemic," National Association of County and City Health Officials (NACCHO) (2022).

Food and Drug Administration research grant for Assessing the Racial, Ethnic, and Geographic Equitability of COVID-19 Treatments in a Primary Care Population (with PI David H Rehkopf).

Sustainability Accelerator Award, Stanford University, for Addressing Blind Spots in Environmental Justice: The Central Valley as a Proof of Concept (2022) (with Jenny Suckale, Gabrielle Wong-Parodi, and Jens Hainmueller).

Housing Policy Innovation in Small and Midsize Cities Award, NYU Furman Center & Robert Wood Johnson Foundation, for Modernizing Code Enforcement using Remote Sensing (2022).

Responsible Investing Initiative Grant Award, Stanford University, for Assessing the Integrity of Sustainability Reporting Using EPA Microdata (2022) (with Colleen Honigsberg).

Carole Hafner Best Paper Award at International Conference on Artificial Intelligence and Law (2021) (with Lucia Zheng, Neel Guha, Peter Henderson, and Brandon Anderson).

Honorable Mention, **Best Paper** at ACM COMPASS (2021) (with Caleb Robinson, Anthony Ortiz, Juan Lavista Ferres, and Brandon Anderson).

New America Public Interest Technology University Network Challenge Grant for public sector accountability standards (2021).

Office of Community Engagement, Stanford University, Seed Grant for Improving COVID-19 Contact Tracing and Outbreak Detection (2021) (with Derek Ouyang and Jenny Suckale).

Water Funder Initiative for CAFO Mapping and Improving Pollutant Discharge Monitoring (2021).

Stanford Impact Labs funding for Modernizing Environmental Enforcement and Governance: An Impact Partnership for Clean Water (with Elinor Benami, Colleen Honigsberg, Rosemary Knight, Deborah Sivas, and Jenny Suckale) (2020).

Arnold Ventures grant for Building a Fairer and More Effective Tax Enforcement System (with Jacob Goldin) (2020).

Grace Communications Foundation grant for research on environmental sustainability (2020).

Stanford RISE Seed Grant, Stanford RISE COVID-19 Crisis Response Faculty Seed Grant Program, for "Supporting Fair and Effective Social Distancing and Phased Reopening in San Jose" (with Jenny Suckale) (2020).

Realizing Environmental Innovation Grant, Stanford Woods Institute for the Environment, for Artificial Intelligence for Clean Water Enforcement (with Jenny Suckale) (2020).

Hoffman-Yee Research Grant, Stanford Institute for Human-Centered Artificial Intelligence, for Reinventing Tax Administration with Artificial Intelligence (with Jacob Goldin, Guido Imbens, Jure Leskovec, Rebecca Lester, and Anne Joseph O'Connell) (2020).

Schmidt Futures gift for Artificial Intelligence for Clean Water (2020).

Center for a Livable Future grant for Remote Sensing of CAFO Locations to Assess the Effect of California's Restriction of Antibiotics for Livestock Growth Promotion (2020).

Laura and John Arnold Foundation grant for "A Randomized Controlled Trial of Transportation Subsidies to Reduce Failure to Appear for Pretrial Release" (2019) (with Matthew Freedman and David Phillips).

Honorable Mention, Best Poster, The Web Conference (2019) (with Kristen Altenburger).

Stanford Institute for Human-Centered Artificial Intelligence seed grant for Administering by Algorithm (with David Freeman Engstrom and Mariano-Florentino Cuéllar, 2019)

Grace Communications Foundation grant for work on Clean Water Act (2018).

National Science Foundation award for research on media and the courts, co-sponsored by Program on Law and Social Science and Program on Methodology, Measurement, and Statistics (with Kevin Quinn, 2008-10)

Warren Miller Prize for the best paper published in *Political Analysis*, Society of Political Methodology and Oxford University Press (with Kosuke Imai, Gary King & Elizabeth A. Stuart, 2007-08)

McGraw-Hill Award for the best paper published by political scientists on law and courts (with Lee Epstein, Gary King & Jeff Segal, 2006)

Pi Sigma Alpha Award for best paper delivered at Midwest Political Science Association meeting (with Lee Epstein, Gary King & Jeff Segal, 2004)

Robert H. Durr Award for best paper applying quantitative methods to substantive problem at Midwest Political Science Association meeting (with Lee Epstein, Gary King & Jeff Segal, 2004)

Honorable Mention, American Judicature Society Award for the best paper on law and courts presented at national and regional political science conference (with Lee Epstein, Gary King & Jeff Segal, 2005)

Honorable Mention, Law and Society Article Award for exceptional scholarship in sociolegal studies for article published in previous two years (with Lee Epstein, Gary King & Jeff Segal, 2006)

Vice Provost for Undergraduate Education Faculty Grant for Undergraduate Research, Stanford University (2008)

Fast Breaking Paper for largest percentage increase in citations among top 1% of all articles in social science in last two years, Essential Science Indicators, Thomson Reuters (with Kosuke Imai, Gary King & Elizabeth A. Stuart, 2008)

ACADEMIC PUBLICATIONS:

Measuring and Mitigating Racial Disparities in Tax Audits, SIEPR Working Paper (2023) (with Hadi Elzayn, Evelyn Smith, Thomas Hertz, Arun Ramesh, Robin Fisher, and Jacob Goldin).

Implications of Predicting Race Variables from Medical Images, 381 SCIENCE 149 (2023) (with James Zou, Judy Wawira Gichoya, and Ziad Obermeyer).

LegalBench: A Collaboratively Built Benchmark for Measuring Legal Reasoning in Large Language Models, NEURIPS (2023, forthcoming) (with Neel Guha, Julian Nyarko, Christopher Ré and 37 coauthors).

Leveraging Genomic Sequencing Data to Evaluate Disease Surveillance Strategies, ISCIENCE (2023, forthcoming) (with Benjamin Anderson, Derek Ouyang, Alexis D'Agostino, Brandon Bonin, Emily Smith, Vit Kraushaar, and Sarah L. Rudman).

Toward Operationalizing Pipeline-aware ML Fairness: A Research Agenda for Developing Practical Guidelines and Tools, ACM EAAMO (2023, forthcoming) (with Emily Black, Rakshit Naidu, Rayid Ghani, Kit Rodolfa, and Hoda Heidari).

The Bureaucratic Challenge to AI Governance: An Empirical Assessment of Implementation at U.S. Federal Agencies, ACM AI, ETHICS & SOC'Y 606-52 (2023) (with Christie Lawrence and Isaac Cui).

How Redundant are Redundant Encodings? Blindness in the Wild and Racial Disparity when Race is Unobserved, ACM FAccT (2023) (with Lingwei Cheng, Isabel Gallegos, Derek Ouyang, and Jacob Goldin).

The Privacy-Bias Tradeoff: Data Minimization and Racial Disparity Assessments in U.S. Government, ACM FAccT (2023) (with Arushi Gupta, Helen Webley-Brown, Victor Wu, and Jen King).

Integrating Social Services with Disease Investigation: A Randomized Trial of COVID-19 High-Touch Contact Tracing, 18 PLOS ONE e0285752 (2023) (with Lisa Lu, Derek Ouyang, Alexis D'Agostino, Angelica Diaz, and Sarah L. Rudman).

Automated vs. Manual Case Investigation and Contact Tracing for Pandemic Surveillance: Evidence from a Stepped Wedge Cluster Randomized Trial, 55 LANCET: ECLINICALMEDICINE 101726 (2023) (with Cameron Raymond, Derek Ouyang, Alexis D'Agostino, and Sarah L. Rudman).

Pile of Law: Learning Responsible Data Filtering from the Law and a 256GB Open-Source Legal Dataset, NEURIPS (2022) (with Peter Henderson, Mark S. Krass, Lucia Zheng, Neel Guha, Christopher D Manning, and Dan Jurafsky).

Beyond Ads: Sequential Decision-Making Algorithms in Law and Public Policy, ACM CSLAW 87 (2022) (with Ben Chugg, Peter Henderson, and Brandon Anderson).

Entropy Regularization for Population Estimation, ACM AAAI (2023) (with Peter Henderson, Ben Chugg, and Jacob Goldin).

Detecting Environmental Violations with Satellite Imagery in Near Real Time: Land Application under the Clean Water Act, ACM INFO. & KNOWLEDGE MNGMT. 3052 (2022) (with Ben Chugg, Nicolas Rothbacher, Alex Feng, and Xiaoqi Long).

Mapping Industrial Poultry Operations at Scale with Deep Learning and Aerial Imagery, 15 IEEE J. SELECTED TOPICS APPLIED EARTH OBSERVATIONS & REMOTE SENSING 7458 (2022) (with Caleb Robinson, Ben Chugg, Brandon Anderson, and Juan Lavista Ferres).

Advances, Challenges and Opportunities in Creating Data for Trustworthy AI, NATURE MACHINE INTELLIGENCE (2022) (with Weixin Liang, Girmaw Abebe Tadesse, Li Fei-Fei, Matei Zaharia, Ce Zhang, and James Zou).

Integrating Reward Maximization and Population Estimation: Sequential Decision-Making for Internal Revenue Service Audit Selection, ACM AAAI (2023) (with Peter Henderson, Ben Chugg, Brandon Anderson, Kristen Altenburger, Alex Turk, John Guyton, and Jacob Goldin).

Outsider Oversight: Designing a Third Party Audit Ecosystem for AI Governance, ACM AI, ETHICS & SOC'Y (2022) (with Inioluwa Deborah Raji, Peggy Xu, and Colleen Honigsberg).

Can Transportation Subsidies Reduce Failures to Appear in Criminal Court? Evidence from a Pilot Randomized Controlled Trial, 216 ECON. LETTERS 110540 (2022) (with Rebecca Brough, Matthew Freedman, and David C. Phillips).

Algorithmic Fairness and Vertical Equity: Income Fairness with IRS Tax Audit Models, ACM FAccT 1479 (2022) (with Emily Black, Hadi Elzayn, Alexandra Chouldechova, and Jacob Goldin).

Executive Control of Agency Adjudication: Capacity, Selection and Precedential Rulemaking, J.L. ECON. & ORG. (2024, forthcoming) (with David Hausman, Mark Krass, and Anne McDonough).

On the Opportunities and Risks of Foundation Models, ARXIV (2022) (with Rishi Bommasani, Percy Liang and 100+ coauthors).

Designing Accountable Healthcare Algorithms, N. ENGL. J. MED. CATALYST (2022) (with Lisa Lu, Alexis D'Agostino, Sarah L. Rudman, and Derek Ouyang).

Quality Assurance for Agency Adjudication, in A GUIDE TO FEDERAL AGENCY ADJUDICATION (Graboyes ed. 3d ed. 2022, forthcoming) (with David Marcus, Austin Peters, and Gerald Ray).

A Language Matching Model to Improve Equity and Efficiency of COVID-19 Contact Tracing, 118 PNAS e2109443118 (2021) (with Lisa Lu, Benjamin Anderson, Raymond Ha, Alexis D'Agostino, Sarah L. Rudman, and Derek Ouyang).

Science Translation During the COVID-19 Pandemic: An Academic-Public Health Partnership to Assess Capacity Limits in California, 112 AM. J. PUB. HEALTH 308 (2022) (with Peter Maldonado, Angie Peng, Derek Ouyang, and Jenny Suckale).

Evaluation of Allocation Schemes of COVID-19 Testing Resources in a Community-Based Door-to-Door Testing Program, JAMA HEALTH FORUM e212260 (2021) (with Ben Chugg, Lisa Lu, Derek Ouyang, Benjamin Anderson, Raymond Ha, Alexis D'Agostino, Anandi Sujeer, Sarah L. Rudman, and Analilia Garcia).

BUILDING A NATIONAL AI RESEARCH RESOURCE: A BLUEPRINT FOR THE NATIONAL RESEARCH CLOUD, HAI WHITE PAPER (2020), published as 3 NOTRE DAME J. EMERGING TECH. 72 (with Jen King, Russell Wald, and Chris Wan).

Enhancing Environmental Enforcement with Near Real-Time Monitoring: Likelihood-Based Detection of Structural Expansion of Intensive Livestock Farms, 103 INT'L J. APPLIED EARTH OBS. & GEOINFORMATION 102364 (2021) (with Ben Chugg, Brandon Anderson, Seiji Eicher, and Sandy Lee).

Stanford RegLab – Santa Clara County: Academic-Public Health Collaboration for Rapid Evidence Building, *in* BUILD ME THE EVIDENCE (Tamar Bauer ed. 2021) (with Sara H. Cody).

Improving the Reliability of Food Safety Disclosure: Restaurant Grading in Seattle-King County, 84 J. ENVTL. HEALTH 30 (2021) (with Zoe C. Ashwood and Becky Elias).

Temporal Cluster Matching for Change Detection of Structures from Satellite Imagery, ACM COMPASS 138 (2021) (with Caleb Robinson, Anthony Ortiz, Juan M. Lavista Ferres and Brandon Anderson).

Artificial Intelligence for Adjudication: The Social Security Administration and AI Governance, OXFORD HANDBOOK ON AI GOVERNANCE (Justin Bullock, Baobao Zhang, Yu-Che Chen, Johannes Himmelreich, Matthew Young, Antonin Korinek & Valerie Hudson eds. 2022, forthcoming) (with Kurt Glaze, Gerald Ray, and Christine Tsang).

When Does Pretraining Help? Assessing Self-Supervised Learning for Law and the CaseHOLD Dataset of 53,000+ Legal Holdings, ICAIL '21 159 (2021) (with Lucia Zheng, Neel Guha, Peter Henderson, and Brandon Anderson).

Context-Aware Legal Citation Recommendation using Deep Learning, ICAIL '21 79 (2021) (with Zihan Huang, Charles Low, Mengqiu Teng, Hongyi Zhang, Mark Krass, and Matthias Grabmair).

How Medical AI Devices Are Evaluated: Limitations and Recommendations from An Analysis of FDA Approvals, 27 NATURE MED. 582 (2021) (with Eric Wu, Kevin Wu, Roxana Daneshjou, David Ouyang, and James Zou).

Disparate Limbo: How Administrative Law Erased Antidiscrimination, 131 YALE L.J. 370 (2021) (with Cristina Isabel Ceballos and David Freeman Engstrom).

Mandatory Retirement and Age, Race, and Gender Diversity of University Faculties, 23 AM. L. & ECON. REV. 100 (2021) (with Oluchi Mbonu and Anne McDonough).

Brevity, Speed, and Deference: An Account from the Williams Chambers, 38 YALE J. REG. 745 (2021) (with David Hausman and Anne Joseph O'Connell).

How U.S. Law Will Evaluate Artificial Intelligence for Covid-19, 372 BMJ n.234 (2021) (with Mark Krass, Peter Henderson, Michelle Mello, and David Studdert).

Leveraging Administrative Data for Bias Audits: Assessing Disparate Coverage with Mobility Data for COVID-19 Policy, ACM FAccT 173 (2021) (with Amanda Coston, Neel Guha, Derek Ouyang, Lisa Lu, and Alexandra Chouldechova).

The Distributive Effects of Risk Prediction in Environmental Compliance: Algorithmic Design, Environmental Justice, and Public Policy, ACM FAccT 90 (2021) (with Elinor Benami, Reid Whitaker, Vincent La, Hongjin Lin, and Brandon R. Anderson).

Affirmative Algorithms: The Legal Grounds for Fairness as Awareness, U. CHI. L. REV. ONLINE (2020) (with Alice Xiang).

Evaluating Facial Recognition Technology: A Protocol for Performance Assessment in New Domains, 98 DENV. L. REV. 753 (2021) (with Maneesh Agrawala, Emily Black and Li Fei-Fei).

Feasible Policy Evaluation by Design: A Randomized Synthetic Stepped-Wedge Trial in King County, 44 EVALUATION REV. 3 (2020) (with Becky Elias and Cassandra Handan-Nader).

Menu Labeling, Calories, and Nutrient Density: Evidence from Chain Restaurants, 15 PLOS ONE e0232656 (2020) (with Oluchi Mbonu, Anne McDonough and Rebecca Pottash).

The Effectiveness of a Neighbor-to-Neighbor Get-Out-the-Vote Program: Evidence from the 2017 Virginia State Elections, J. EXPERIMENTAL POL. SCI. 1 (2021) (with Cassandra Handan-Nader, Alison Morantz and Tom Rutter).

GOVERNMENT BY ALGORITHM: ARTIFICIAL INTELLIGENCE IN FEDERAL ADMINISTRATIVE AGENCIES, REPORT FOR THE ADMINISTRATIVE CONFERENCE OF THE UNITED STATES (2020) (with David Freeman Engstrom, Mariano Florentino Cuéllar and Catherine M. Sharkey).

Improving Scientific Judgments in Law and Government: A Field Experiment of Patent Peer Review, 17 J. EMPIRICAL LEGAL STUD. 190 (2020) (with Lisa Larrimore Ouellette).

Algorithmic Accountability in the Administrative State, 37 YALE J. REG. 800 (2020) (with David Freeman Engstrom).

Artificially Intelligent Government: A Review and an Agenda, in BIG DATA LAW 57 (Roland Vogl ed. 2020) (with David Freeman Engstrom).

Deep Learning with Satellite Imagery to Enhance Environmental Enforcement, in DATA SCIENCE APPLIED TO SUSTAINABILITY ANALYSIS 205 (Jennifer B. Dunn & Prasanna Balaprakash eds. 2020) (with Cassandra Handan-Nader and Larry Y. Liu).

Due Process and Mass Adjudication: Crisis and Reform, 72 STAN. L. REV. 1 (2020) (with Cassandra Handan-Nader, David Ames, and David Marcus).

Quality Review of Mass Adjudication: A Randomized Natural Experiment at the Board of Veterans Appeals, 2003-16, 35 J.L. ECON. & ORG. 239 (2019) (with Cassandra Handan-Nader, David Ames, and David Marcus).

Deep Learning to Map Concentrated Animal Feeding Operations, 2 NATURE SUSTAINABILITY 298 (2019) (with Cassandra Handan-Nader).

Is Yelp Actually Cleaning Up the Restaurant Industry? A Re-Analysis on the Relative Usefulness of Consumer Reviews, PROC. WEB CONF. (2019) (with Kristen M. Altenburger).

Making Street-Level Bureaucracy Work: Safer Food in Seattle and King County, *in* EVIDENCE WORKS: CASES WHERE EVIDENCE MEANINGFULLY INFORMED POLICY (Nick Hart & Meron Yohannes eds. 2019) (with Becky Elias).

New Evidence on Information Disclosure through Restaurant Hygiene Grading, 11 AM. ECON. J.: ECON. POL'Y 404 (2019) (with Zoe C. Ashwood and Cassandra Handan-Nader).

When Algorithms Import Private Biases into Public Enforcement: The Promise and Limitations of Statistical De-Biasing Solutions, 175 J. INST'L THEOR'L ECON. 98 (2019) (with Kristen M. Altenburger).

Do Checklists Make a Difference? A Natural Experiment from Food Safety Enforcement, 15 J. EMPIRICAL LEGAL STUD. 1 (2018) (with Sam Sherman and Phil Wyman).

Judging Statistical Criticism, 4 OBSERVATIONAL STUD. 42 (2018).

Does Peer Review Work? An Experiment of Experimentalism, 69 STAN. L. REV. 1 (2017).

Managing Street-Level Arbitrariness: The Evidence Base for Public Sector Quality Improvement, 13 ANN. REV. L. SOC. SCI. 251 (with Sam Sherman) (John Hagan ed., 2017).

Equity in the Bureaucracy, 7 IRVINE L. REV. 401 (2017).

New Measurement Technologies: A Review and Application to Nuremberg and Justice Jackson, *in* OXFORD HANDBOOK OF LAW AND THE JUDICIARY 508 (Lee Epstein & Stefanie A. Lindquist eds., 2017) (with Michael Morse).

Testing the Marketplace of Ideas, 90 N.Y.U. L. REV. 1160 (2015) (with Fred Schauer).

Randomizing . . . What? A Field Experiment of Child Access Voting Laws, 171 J. INST'L THEOR'L ECON. 150 (2015).

Does Class Size Affect the Gender Gap? A Natural Experiment in Law, 43 J. LEGAL STUD. 291 (2014) (with Mark G. Kelman).

Foreword: Conference Bias, 10 J. EMPIRICAL LEGAL STUD. 603 (2013).

Introduction: The Empirical Revolution in Law, 65 STAN. L. REV. 1195 (2013) (with Larry Kramer).

Do Police Reduce Crime? A Reexamination of a Natural Experiment, *in* EMPIRICAL LEGAL ANALYSIS: ASSESSING PERFORMANCE OF LEGAL INSTITUTIONS (Yun-chien Chang ed. 2013) (with John J. Donohue III and Patrick Leahy).

Fudging the Nudge: Information Disclosure and Restaurant Grading, 122 YALE L.J. 574 (2012).

Credible Causal Inference for Empirical Legal Studies, *in* 7 ANN. REV. L. SOC. SCI. 17 (John Hagan ed., 2011) (with Donald B. Rubin).

MatchIt: Nonparametric Preprocessing for Parametric Causal Inference, 42 J. STAT'L SOFTWARE 1 (2011) (with Kosuke Imai, Gary King, and Elizabeth A. Stuart).

Did a Switch in Time Save Nine? 2 J. LEGAL ANALYSIS 69 (2010) (with Kevin M. Quinn).

Did Liberal Justices Invent the Standing Doctrine? An Empirical Study of the Evolution of Standing, 1921-2006, 62 STAN. L. REV. 591 (2010) (with Erica L. Ross).

How Not to Lie with Judicial Votes: Misconceptions, Measurement, and Models, 98 CAL. L. REV. 813 (2010) (with Kevin M. Quinn).

Reconciling Punitive Damages Evidence: Comment, 166 J. INST'L THEOR'L ECON. 27 (2010).

Measuring Agency Preferences: Experts, Voting, and the Power of Chairs, 59 DEPAUL L. REV. 333 ("Rising Stars" Clifford Symposium, 2010).

Viewpoint Diversity and Media Consolidation: An Empirical Study, 61 STAN. L. REV. 781 (2009) (with Kevin M. Quinn), *reprinted in* FIRST AMENDMENT HANDBOOK (Rodney A. Smolla ed., forthcoming, 2010).

The Role of Theory and Evidence in Media Regulation and Law: Response to Baker and a Defense of Empirical Legal Studies, 61 FED. COMM. L.J. 673 (2009) (with Kevin M. Quinn).

Evaluating Course Evaluations: An Empirical Analysis of a Quasi-Experiment at the Stanford Law School, 2000-2007, 58 J. LEGAL EDUC. 388 (2009) (with Timothy H. Shapiro).

Measuring Explicit Political Positions of Media, 4 Q.J. POL. SCI. 353 (2008) (with Kevin M. Quinn).

Estimating Causal Effects of Ballot Order from a Randomized Natural Experiment: The California Alphabet Lottery, 1978-2002, 72 PUB. OPINION Q. 216 (2008) (with Kosuke Imai).

Improving the Presentation and Interpretation of Online Ratings Data with Model-based Figures, 62 AM. STAT. 279 (2008) (with Kevin M. Quinn).

Matching as Nonparametric Preprocessing for Reducing Model Dependence in Parametric Causal Inference, 15 POL. ANALYSIS 199 (2007) (with Kosuke Imai, Gary King, and Elizabeth A. Stuart), *reprinted in* QUANTITATIVE RESEARCH IN POLITICAL SCIENCE (Robert J. Franzese ed., 2015).

The Impact of Damage Caps on Malpractice Claims: Randomization Inference with Difference-in-Differences, 4 J. EMPIRICAL LEGAL. STUD. 69 (2007) (with John J. Donohue III).

Randomization Inference with Natural Experiments: An Analysis of Ballot Effects in the 2003 California Recall Election, 101 J. AM. STAT. ASS'N 888 (2006) (with Kosuke Imai).

The Effect of War on the Supreme Court, *in* PRINCIPLES AND PRACTICE OF AMERICAN POLITICS (Samuel Kernell and Steven S. Smith eds., 3d ed. 2006) (with Lee Epstein, Gary King, and Jeffrey A. Segal).

Why Affirmative Action Does Not Cause Black Students to Fail the Bar, 114 YALE L.J. 1997 (2005).

Affirmative Action's Affirmative Actions: A Reply to Sander, 114 YALE L.J. 2011 (2005).

The Supreme Court During Crisis, 80 N.Y.U.L. REV. 1 (2005) (with Lee Epstein, Gary King, and Jeffrey A. Segal).

Compliance with International Soft Law: Why Do Countries Implement the Basle Accord?, 5 J. INT'L ECON. L. 647 (2002).

OTHER PUBLICATIONS:

Op-Ed, *Gavin Newsom Signed an Executive Order on Artificial Intelligence. What Happens Now?*, SACRAMENTO BEE, Oct. 16, 2023.

Policy Brief, *The Privacy-Bias Tradeoff*, Stanford Institute for Human-Centered Artificial Intelligence (2023) (with Arushi Gupta, Helen Webley-Brown, Victor Wu, and Jen King).

Policy Brief, *Talent Exchanges for State Governments*, Stanford Institute for Economic Policy Research (2023) (with Anne Joseph O'Connell and Isaac Cui).

Constructing Environmental Compliance, NOTICE & COMMENT (reviewing CYNTHIA GILES, NEXT GENERATION COMPLIANCE: ENVIRONMENTAL REGULATION FOR THE MODERN ERA (2023)) (with Colleen Honigsberg).

Improving the Quality of Mass Justice, REGULATORY REVIEW (2022) (with David Marcus and Gerald K. Ray).

Op-Ed, *Do we really want Facebook and Amazon to rule AI?*, THE HILL (2021) (with Russell Wald and Jen King).

Domain Shift and Emerging Questions in Facial Recognition Technology, HAI POLICY BRIEF (2020) (with Emily Black, Maneesh Agrawala, and Li, Fei-Fei).

AI's Promise and Peril for the U.S. Government, HAI POLICY BRIEF (2020) (with David Freeman Engstrom, Catherine M. Sharkey, and Mariano-Florentino Cuéllar).

Budgeting Diversity, BOSTON REV. (2020) (with Oluchi Mbonu and Anne McDonough).

Prioritizing Public Health Resources for Covid Investigations: How Administrative Data Can Protect Vulnerable Populations, HEALTH AFFAIRS BLOG (2020) (with Mark Krass and Peter Henderson).

Op-Ed, *What To Do About Artificially Intelligent Government*, THE HILL (2020) (with David Freeman Engstrom, Catherine M. Sharkey, and Mariano-Florentino Cuéllar).

Policy Brief, *Innovations for Environmental Compliance: Emerging Evidence and Opportunities*, Stanford Institute for Economic Policy Research (2020) (with Elinor Benami and Anne McDonough).

Artificial Intelligence and Food Safety: Hype and Reality, FOOD SAFETY MAG. (2019) (with Kristen M. Altenburger).

Behind the Paper: Deep Learning to Map Concentrated Animal Feeding Operations, NATURE SUSTAINABILITY BLOG (2019) (with Cassandra Handan-Nader).

Op-Ed, *When the VA Misrepresents Performance, Veterans Suffer*, THE HILL (2019) (with David Marcus).

Op-Ed, *Can Silicon Valley Save Food Safety? Not So Fast*, FOOD SAFETY N. (2019) (with Kristen M. Altenburger).

What Statistics Can't Tell Us in the Fight over Affirmative Action at Harvard, BOSTON REV. (2019) (with Andrew Gelman and Sharad Goel).

Do Checklists Make a Difference?, CATO Research Brief in Economic Policy (2018) (with Sam Sherman and Phil Wyman).

Op-Ed, *Buyer Beware: With Disclosure, You Get What You Pay For*, DAILY J., Feb. 22, 2017.

Op-Ed, *Why Grading Restaurants on a Curve is Good for Consumers*, SEATTLE TIMES, Jan. 25, 2017.

Government Under Review: Could Peer Review for Public Servants Make the Law More Consistent?, BOSTON REV., June 17, 2016 (with Becky Elias).

Op-Ed, *Improve Restaurant Report Cards*, N.Y. TIMES, Mar. 7, 2012.

Designing Information Disclosure, 38 ADMIN. L. & REG'Y L. N. 13 (2012).

Does Media Consolidation Stifle Viewpoints? How the Supreme Court Can Provide an Answer, STAN. LAWYER (2008) (with Kevin M. Quinn).

Book Note, *Establishing the Supremacy of European Law: The Making of an International Rule of Law in Europe*, 27 YALE J. INT'L L. 466 (2002).

Book Note, *International Monetary Law: Issues for the New Millennium*, 27 YALE J. INT'L L. 223 (2001).

Book Note, *The Tiananmen Papers*, 26 YALE J. INT'L L. 541 (2001).

The European Court of Justice: Expanding the Time Horizon of the Legal Integration Debate, 6 POLITICA: J. POL. SCI. 14 (2000).

The Market Transition of East Germany: Model or Mezzogiorno?, 24 HEMISPHERES 52 (2000).

History, Normality, and the New Right in Germany: Can the Past be Forgotten?, 24 BERKELEY UNDERGRADUATE J. 113 (1999).

AMICUS BRIEFS:

Moore v. United States, Supreme Court of the United States, No. 22-800 (with J. Clifton Fleming, Brian Galle, Jacob Goldin, Peter Henderson, Edward McCaffery, Ajay K. Mehrotra, Richard Schmalbeck, and Kevin Tobia).

Students for Fair Admissions v. President and Fellows of Harvard College, Supreme Court of the United States, Nos. 20-1199 & 21-707 (with Ian Ayres, Richard A. Berk, Richard R.W. Brooks, Gary King, Kevin Quinn, Donald B. Rubin, and Sherod Thaxton).

Fisher v. University of Texas, et. al, Supreme Court of the United States, No. 11-345 (with Don Rubin, Guido Imbens, Gary King, Dick Berk, Ian Ayres, Jim Greiner, Kevin Quinn, Rick Brooks, Paul Oyer, and Rick Lempert).

INVITED PRESENTATIONS, LECTURES, AND WORKSHOPS (since 2019)

AI and Biosecurity, National Academies of Sciences, Engineering, and Medicine, Workshop on Charting a Responsible Future in AI & Biosecurity: Understanding Technology Capabilities (2023).

Artificial Intelligence Training Series for Federal Employees, U.S. General Services Administration and Office of Management and Budget (2023).

Workshop on Responsible and Open Foundation Models, Center for Information Technology Policy, Princeton University, Center for Research on Foundation Models, Stanford University (2023).

Ensuring Responsible AI Innovation: Comparing Governance Paradigms, Cyberpolicy Center, Stanford University (2023).

The State of AI: Context, Direction, Possibilities, and Risks, Judicial Conference of the District of Columbia Circuit (2023).

Keynote Address, From Prototypes to Systems: A Call for Institutional Engagement, International Conference on Artificial Intelligence and Law (2023).

Testimony, U.S. Senate Homeland Security and Governmental Affairs Committee Hearing on AI in Government (2023).

Panelist, Center for Taxpayer Rights' Tax Chat! on Transforming Tax Administration (2023).

Welcome Remarks, US Patent and Trademark Office, AI Inventorship Listening Session (2023).

Panelist, The State of AI: Implications of Recent AI Breakthroughs and Rapid Developments, AI 2050 Roundtable (2022).

Pathways to Public Service, Federal Talent Summit, Partnership for Public Service (2022).

Artificial Intelligence and Government, 40th Annual Course of the International Association of Law Libraries (2022).

Keynote Panel with Condoleezza Rice & Francis Fukuyama, "Democracy in a World of AI-Fueled Disinformation and Digital Authoritarianism," Stanford HAI Congressional Boot Camp on Artificial Intelligence (2022).

Modernizing Tax Administration: AI, Efficiency, and Equity, Stanford HAI Seminar (2022) (with Jacob Goldin).

Artificial Intelligence in Government, AI 101 Lecture Series, General Services Administration (2022).

Unbreaking Bureaucracy, Rotary Club of Palo Alto (2022).

Panelist, Building Social Science into the Foundation of AI Practice, Center for Advanced Study in the Behavioral Sciences (2022).

AI Innovation in Federal Government, National Academies of Sciences, Engineering, and Medicine, Workshop to Support EPA's Development of Human Health Assessments (2022).

AI Innovation in Federal Government: Institutional Culture and Academic-Agency Partnerships, Partnership for Public Service (2022).

Keynote Speaker, The Importance of Public Sector AI, Symposium on Artificial Intelligence and the Economy: Charting a Path for Responsible and Inclusive AI, U.S. Department of Commerce (2022).

Modernizing Tax Administration: AI, Efficiency, and Equity, Berkeley Law and Economics Workshop (2022) (with Jacob Goldin).

Community Catalyst Talk, Stanford High Performance Computing – Artificial Intelligence Conference (2022).

AI Keynote Panelist, Artificial Intelligence: Bridging Law and Technology, Notre Dame Law School (2022).

Artificial Intelligence Opportunities for Tax Administration, Internal Revenue Service (2022).

Empirical Legal Studies with Legal Text Analytics, CS + Law Research Series, Northwestern University Law and Engineering Schools (2022).

Administrative Law's Racial Blind Spot, Race and Regulation Lecture Series, Penn Program on Regulation (2022).

Evidence Matters, King County & University of Notre Dame Wilson Sheehan Lab for Economic Opportunities (2022).

Maximize Reward and Maintain a Population Estimate: A Structured Bandit Approach for Internal Revenue Service Audit Selection, IRS-Urban-Brookings Tax Policy Center Research Conference (2022).

Deciding When and How to Use AI in Government, Canada School of Public Service & Schwartz Reisman Institute for Technology and Society (2021).

Computer Vision for the Environment, Stanford Computer Vision Lab (2021) (with Brandon Anderson).

Reconciling Risk Allocation and Prevalence Estimation in Public Health Using Batched Bandits, NeurIPS 2021 Workshop on Machine Learning in Public Health (2021) (with Ben Chugg).

Beyond Ads: Sequential Decision-Making Algorithms in Public Policy, NeurIPS 2021 Workshop on Causal Inference Challenges (2021) (with Ben Chugg, Peter Henderson, and Brandon Anderson).

Workshop on Data-Centric AI, Stanford HAI (2021).

What Makes Algorithms Fair and Accountable? Concepts & Practice, Data Journalism DC (2021).

Technology and AI to Scale Public-Private Partnerships, Creating Social Change Through Public-Private Partnerships, University of Chicago (2021).

A Blueprint for a National Research Cloud, Stanford HAI Seminar (2021).

Policy Workshop on AI Explainability, Partnership for Public Service and Woodrow Wilson Center (2021).

Sustainability Speaker Series, Stanford Woods Institute (2021).

Stanford Biomedical Informatics Research Colloquium (2021).

Foundation Models for Law & The Law of Foundation Models: A U.S. Perspective, Workshop on Foundation Models, Stanford HAI (2021).

Simons Institute, Theory of Computing for Fairness Seminar (2021) (with Alice Xiang).

Distinguished Speaker Series, Stanford Parents Club (2022).

International Conference on Artificial Intelligence and Law (2021).

Responsible Computing Research: Ethics and Governance of Computing Research and its Applications, National Academies of Sciences, Engineering, and Medicine (2021).

AI and Remote Sensing for Environmental Compliance, Office of Enforcement and Compliance Assurance, Environmental Protection Agency (2021).

Understanding and Improving Machine Learning Applications for High-Stakes Scenarios, Placekey Seminar (2021).

The Rise of AI in Federal Agencies, *Administrative Law Review* Symposium, American University Washington College of Law (2021).

Door-to-Door Covid-19 Testing: The Stanford-Santa Clara Partnership, Community Health Symposium, Stanford Medicine (2021).

Artificial Intelligence for Clean Water: Mapping Intensive Livestock Farms, Law, Ethics, and Animals Program Seminar, Yale Law School (2021).

New Directions for Inspections - Prioritizing Inspections via Predictive Analytics & Leveraging Remote Inspections to Assess Compliance, Environmental Council of the States (2020).

Responsible Use of Facial Recognition Technology, Ministry for Legal Protection, The Netherlands (2021).

Keynote speaker, AI in Government: An Academic-Public Health Partnership for Equitable Covid-19 Response, Symposium on Equity and AI, USC Center for Artificial Intelligence in Society (2021).

Evaluating Facial Recognition Technology, Technology Law and Policy Colloquium: Data, Algorithms, and Platforms, Georgetown Law School (2021).

Symbolic Systems Program Forum, Stanford University (2021).

Healthcare Panel, Journal of Science and Technology Law Symposium, Boston University (2021).

Affirmative Algorithms: The Legal Grounds for Fairness as Awareness, Theory of Computing for Fairness Seminar (2021).

Mandatory Retirement and the Diversity of University Faculties, Law and Economics Workshop, ETH Zurich and University of Zurich (2021).

Innovating AI Governance: Shaping the Agenda for a Responsible Future, Rockefeller Foundation, Center for Advanced Study in the Behavioral Sciences at Stanford University, and Schwartz Reisman Institute for Technology and Society, University of Toronto (2020).

Toward a Decision Support System for Veterans Adjudication, CodeX, Stanford Center for Legal Informatics (2020).

Use of AI in the Public Domain and Implications for the Law, Athens Roundtable: Artificial Intelligence and the Rule of Law (2020).

Artificial Intelligence for Clean Water, Johns Hopkins Center for a Livable Future (2020).

Stanford Public Interest Technology Lab (2020).

Evaluating Facial Recognition Technology, Governance Workshop on Transparency and Privacy, Sturm College of Law – University of Denver (2020).

Regulation and Artificial Intelligence: Breakthroughs and Barriers for Industry, Stanford HAI (2020).

All Hands On Deck: Veterans Justice Imperative, Georgetown Center on National Security and the Law and Veterans Consortium (2020).

Identifying Criteria Auditors Can Use in Assessing AI Systems; Issues and Challenges in Auditing AI Systems in the Public Sector; Comptroller General's Forum on AI Audit Standards, Government Accountability Office (2020).

Algorithmic Accountability in the Administrative State, Faculty Workshop, Stanford Law School (2020).

Regulators Workshop: Assessing and Managing Risks with the use of Artificial Intelligence, Stanford HAI (2020).

Using Mobile and Administrative Data to Support Social Distancing and Reopening, Emergency Operations Center, Santa Clara County (2020).

Evaluating Facial Recognition Technology, Georgetown Technology Law and Policy Colloquium (2020).

Facial Recognition Technology, Measurement & Regulation Workshop, Stanford HAI (2020).

Symposium on Federal Agency Adjudication, Administrative Conference of the United States (2020).

Machine Learning and Predictive Analytics in Environmental Protection, Environmental Council of the States (2020).

An Active Learning Approach for Discovering Tax Misreporting, Joint Statistical Meetings (2020).

Workshop on Technology Expertise in Law and Policy, Berkeley Center for Law and Technology (2020).

AI for Government, AI for Good Seminar, Institute for Computational and Mathematical Engineering, Stanford University (2020).

Reducing Significant Noncompliance with Machine Learning, National Compliance Initiative Symposium, Environmental Protection Agency (2020).

International Congress for the Governance of AI, Stanford Workshop (2020).

Artificial Intelligence in Administrative Adjudication, American Bar Association Administrative Law Conference (2019).

Mapping Intensive Livestock Farms for Clean Water Act Monitoring, Advancing Strategies for a Better Food Future, Stanford Food Institute (2019).

AI in Government, Ethics, Policy & Governance Conference, Stanford Institute for Human-Centered Artificial Intelligence (2019).

AI in Government, Artificial Intelligence Salon, Stanford University.

Mandatory Retirement and the Diversity of University Faculties, Berkeley Law Faculty Workshop (2019).

Mapping Intensive Livestock Farms for Clean Water Act Monitoring, Google Geo for Good Summit (2019).

OTHER PRESENTATIONS:

Law and Society Association (2002, 2005); American Law and Economics Association (2005, 2007); Canadian Law and Economics Association (2002); American Political Science Association (2004, 2005, 2007); Midwest Political Science Association (2004, 2005, 2007, 2009); Society of Political Methodology

(2003, 2004); Harvard Political Economy Workshop (2002, 2003); Harvard Econometrics Workshop (2003, 2004); Harvard Applied Statistics Workshop (2003); Harvard Political Psychology and Behavior Workshop (2004); Olin Fellow Workshop, Yale Law School (2001, 2004); Georg Walter Leitner Seminar in Political Economy, Yale University (2005); Junior Empirical Legal Scholarship Conference, Cornell University (2006); RAND Institute for Civil Justice-Journal of Empirical Legal Studies Conference (2006); Stanford Social Lab (2006); Empirical Law and Economics Seminar, Florida State University (2007); Boalt Hall Administrative Law Junior Scholar Conference (2007); Northwestern Law School Law and Economics Seminar (2007); Columbia University Law and Economics Seminar (2007); University of Chicago Law and Economics Seminar (2008, 2016); Harvard Public Law and Political Economy Conference (2008); Federal Communications Commission (2008); Conference of Empirical Legal Studies (2007, 2008, 2009, 2010, 2011, 2013, 2014, 2016, 2017, 2019); Searle Law and Political Economy Colloquium, Northwestern Law School (2008); University of Pennsylvania Law and Economics Seminar (2008); Harvard Political Institutions and Economic Policy (2008); "Rising Stars" Clifford Symposium on Tort Law and Social Policy, DePaul University (2009); University of Virginia Law and Economics Colloquium (2009); Center for the Study of Law and Society, School of Law, University of California-Berkeley (2009); Conference on Positive Political Theory and the Law, W. Allen Wallis Institute of Political Economy, University of Rochester (2009); Conference on Public Law and Political Economy, University of Chicago (2009); International Seminar on the New Institutional Economics, Max Planck Institute (2009, 2014); Faculty Workshop, Loyola Law School, Los Angeles (2009); Law, Economics, and Organization Workshop, Yale Law School (2009); Faculty Workshop, University of Connecticut Law School (2009); Law, Economics, and Organizations Seminar, UCLA Law School (2009); Center for Empirical Research in the Law, Washington University in St. Louis (2009); Joint Legal Theory and Public Law Workshop, Columbia Law School (2010); Center for Advanced Study in the Behavioral Sciences Workshop (2010, 2019); Roundtable on Guidelines for Observational Studies, Fordham University School of Law (2010); Judicial Behavior Workshop, Northwestern & University of Chicago Law Schools (2010); Panels on the Past, Present and Future of Interdisciplinary Legal Education & Empirical Legal Scholarship, AALS Annual Meeting (2011); Faculty Workshop and Public Law Workshop, University of Minnesota Law School (2011); Faculty Workshop, Pepperdine University – School of Law (2011); Workshop, Loyola University Chicago (2011); Seminar, Public Law Center, National Taiwan University School of Law (2011); International Conference on Empirical Studies of Judicial Systems, Academia Sinica, Taiwan (2011); Faculty Workshop, Cardozo School of Law (2011); Faculty Workshop, New York University School of Law (2011); Faculty Workshop, Yale Law School (2012); Faculty Workshop, Cornell Law School (2012); Administrative Law Roundtable, Columbia Law School (2012); Workshop and Lecture Series in Law and Economics, ETH Zurich, University of Zurich, University of St. Gallen & University of Lucerne (2012); Law and Economics Seminar, Harvard Law School (2012); Center for Law and Social Science, University of Southern California (2013); Conference on Global Food Law, University of Washington (2013); University of Colorado Law School, Faculty Colloquium (2014); Center for the Study of Politics, Law, and Economics, Emory University (2014); Faculty Workshop, Duke Law School (2014); Testing the Constitution Conference, University of Chicago Law School (2014); Center for Law, Business and Economics Colloquium, University of Texas School of Law (2014); Works-in-Progress Faculty Workshop, George Washington University Law School (2014); Faculty Workshop, University of Kansas School of Law (2015); UC Davis School of Law (2015); Law and Economics Workshop, University of Michigan Law School (2015); University of Tulsa College of Law Faculty Colloquy (2015); University of California, Irvine Symposium on Food Equity (2016); National Environmental Health Association Annual Conference (2016); University of Arizona College of Law (2016); RAND Statistics Group Seminar (June 2016); Faculty Workshop, Harvard Law School (2017); Faculty Workshop, UC Irvine School of Law (2018); Faculty Workshop, Northwestern Pritzker School of Law (2018); Center for the Study of the Administrative State, Antonin Scalia Law School (2018, 2019); Munro Distinguished Lecture, Stanford University (2018); Lightning Talk, Launch of Stanford Institute for Human-Centered Artificial Intelligence (2019); Stanford Colloquium on Machine Learning and Causal Inference (2019); The Web Conference (2019); Rigorous Policy Pilots Workshop, Partnership for Public Service (2019); Administrative Conference of the United States (2019).

SOFTWARE:

MATCHIT: Nonparametric Preprocessing for Parametric Causal Inference (2004) (with Kosuke Imai, Gary King, and Elizabeth A. Stuart).

Ratings: Statistical and graphical tools for ordinal ratings data (2008) (with Kevin M. Quinn).

QuantileGradeR: Quantile-Adjusted Restaurant Grading (2017) (with Zoe C. Ashwood).

OTHER TEACHING:

Ninth Circuit / Federal Judicial Center Mid-Winter Workshop, Tucson, AZ January 2015
SPEAKER. Taught introductory statistics session to over 100 district and appellate judges in the Ninth Circuit.

Northwestern University Law School, Chicago, IL August 2011
INSTRUCTOR. Co-taught course on research design for causal inference (hosted by Bernie Black and Mathew McCubbins, with Alberto Abadie, Joshua Angrist, Ted Eisenberg, and Guido Imbens).

Harvard Law School, Cambridge, MA Summer 2002
INSTRUCTOR. Designed and taught course in applied econometrics to group of faculty.

Harvard University, Cambridge, MA Fall 2003
TEACHING FELLOW. Assisted teaching graduate course in quantitative methods on robust estimation.

OTHER EXPERIENCE:

U.S. Department of Justice, Civil Rights Division, Washington, DC 2021-22
CONSULTANT. Provided consulting services on artificial intelligence and civil rights.

Office of the County Counsel, County of Santa Clara, CA 2022
EXPERT WITNESS. Drafted expert report on social distancing measures and mobility data.

Administrative Conference of the United States, Washington, DC 2020-2021
CONSULTANT. Consulted on artificial intelligence in government and quality assurance in adjudication.

Tennessee Attorney General's Office, Nashville, TN June 2015-July 2016
EXPERT WITNESS. Drafted expert report on voting rights case and testified in trial.

Paul, Weiss, Rifkind, Wharton & Garrison, Hong Kong, China / New York, NY Summers 2001-02
SUMMER ASSOCIATE. Conducted litigation research, and drafted M&A documents and client memoranda.

Yale Center for Studies in Law, Economics, and Public Policy, New Haven, CT Summers 2001, 2004
OLIN SUMMER FELLOW. Conducted research on election law and voting reform.

PROFESSIONAL ACTIVITIES AND MEMBERSHIPS:

Academic Consultative Group to the Council on Federal Agency Adjudication for the Administrative Conference of the United States (2020--)

Area Chair (2021), Program Committee (2019, 2022), ACM Conference on Fairness, Accountability, and Transparency

Program Committee, AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (2021, 2023)

Program Committee, International Conference on Artificial Intelligence and Law (2023)

Social Science One, North American Advisory Committee (2018-19)

Committee on Research (2012-13), AALS; Executive Committee (2010-11), Chair (2013-2014), AALS Law and Social Science Section

Reviewer, *Quarterly Journal of Economics*, *American Political Science Review*, *Science*, *PNAS*, NeurIPS, Nature *Sustainability, Journal of Law, Economics, and Organization*, *Journal of Law and Economics*, *Journal of Legal Studies*, *American Law and Economics Review*, *Review of Economics and Statistics*, *RAND Journal of Economics*, *Journal of Empirical Legal Studies*, *Review of Law and Economics*, *Journal of Economic Literature*, *American Journal of Political Science, Quarterly Journal of Political Science, Journal of Politics*, *Political Analysis*, *Journal of the Royal Statistical Society*, *Jurimetrics*, *Public Opinion Quarterly*, *Law & Society Review*, *Law & Social Inquiry*, *Sociological Methods and Research*, *American Journal of Public Health*, *JAMA Health Forum*, *Journal of Policy Analysis and Management*, *Journal of Health Economics*, *National Tax Journal*, *International Organization*, *Oxford Economic Papers, International Studies Quarterly, Encyclopedia of Social Measurement*, *Political Science Research and Methods*, *Review of International Studies*, *Political Research Quarterly*, *Political Studies*, *Oxford University Press (Law Section), Aspen Publishers: Law and Business, International Journal of Constitutional Law*, *Nuffield Foundation*, *Evaluation Review*, *Artificial Intelligence and Law*, NSF Time-sharing Experiments for the Social Sciences, Harvard-Stanford International Junior Faculty Forum; Israel National Science Foundation I-CORE program, Conference on Fairness, Accountability, and Transparency.

Research Steering Committee, Future Bay Initiative (2019-20)

Organizer, Stanford Law School Junior Scholars in Public Law and Political Economy Conference (2010)

Member, American Political Science Association, American Statistical Association, Midwest Political Science Association, American Law and Economics Association, Society for Empirical Legal Studies