JULIAN NYARKO

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ACADEMIC APPOINTMENTS

Stanford Law School   Stanford, CA
 Professor of Law   Since 2024
   Associate Director, Stanford Institute for Human-Centered Artificial Intelligence (HAI)   Since 2023
   Faculty Fellow, Stanford Institute for Economic Policy Research (SIEPR)   Since 2023
 Associate Professor of Law   Since 2022-2024
 Assistant Professor of Law   2019-2022

Columbia Law School   New York, NY
 Postdoctoral Fellow in Empirical Law and Economics   2018-2019

EDUCATION

University of California, Berkeley School of Law   Berkeley, CA
 Ph.D. in Jurisprudence and Social Policy   2013-2018
   Committee: Katerina Linos, Kevin Quinn, Robert Cooter, Andrew Guzman, Robert Bartlett,
   Robert Powell

University of California, Berkeley School of Law   Berkeley, CA
 LL.M.   2011-2012

University of Hamburg Law School   Hamburg, Germany
 First Bar Exam (J.D.-equivalent)   2006-2011

PUBLICATIONS

Reconciling Legal and Empirical Conceptions of Disparate Impact: An Analysis of Police Stops Across California, *Journal of Law & Empirical Analysis* (forthcoming). With Joshua Grossman and Sharad Goel.

Risk Scores, Label Bias, and Everything but the Kitchen Sink, Science Advances (2024). With Michael Zanger-Tishler & Sharad Goel.

LegalBench: A Collaboratively Built Benchmark for Measuring Legal Reasoning in Large Language Models, Conference on Neural Information Processing Systems (NeurIPS) (2023). With Neel Guha et al.

Designing Equitable Algorithms, 3 Nature: Computational Science 601 (2023). With Alex Chohlas-Wood, Madison Coots & Sharad Goel.

Don't Use a Cannon to Kill a Fly: An Efficient Cascading Pipeline for Long Document, 2023 ICAIL: International Conference on Artificial Intelligence and Law (2023). With Zehua Li & Neel Guha.

Conceptual Questions in Developing Expert-Annotated Data, 2023 ICAIL: International Conference on Artificial Intelligence and Law (2023). With Megan Ma & Brandon Waldon.

Racial Bias as a Multi-Stage, Multi-Actor Problem: An Analysis of Pretrial Detention, 89 JOURNAL OF EMPIRICAL LEGAL STUDIES 1 (2023). With Joshua Grossman & Sharad Goel.

Natural Language Processing in Legal Tech, in LEGAL TECH AND THE FUTURE OF CIVIL JUSTICE (David Engstrom ed.) (2023). With Jens Frankenreiter.

Police agencies on Facebook overreport on Black suspects, 119 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES e2203089119 (2022) With Ben Grunwald & John Rappaport.

A Statistical Test for Legal Interpretation: Theory and Applications, 38 THE JOURNAL OF LAW, ECONOMICS, AND ORGANIZATION 539 (2022). With Sarath Sanga.

Contractual Evolution, 89 THE UNIVERSITY OF CHICAGO LAW REVIEW 901 (2022). With Matthew Jennejohn & Eric Talley.

Regulatory Diffusion, 74 STANFORD LAW REVIEW 897 (2022). With Jennifer Nou.

Breaking Taboos in Fair Machine Learning: An Experimental Study, PROCEEDINGS OF THE ACM CONFERENCE ON EQUITY AND ACCESS IN ALGORITHMS, MECHANISMS, AND OPTIMIZATION (2021). With Sharad Goel & Roseanna Sommers.

Blind Justice: Algorithmically Masking Race in Charging Decisions, PROCEEDINGS OF THE AAAI/ACM CONFERENCE ON AI, ETHICS, AND SOCIETY (2021). With Alex Chohlas-Wood, Joe Nudell, Zhiyuan "Jerry" Lin & Sharad Goel.

Stickiness and Incomplete Contracts, 88 THE UNIVERSITY OF CHICAGO LAW REVIEW 1 (2021).

We'll See You in . . . Court! The Lack of Arbitration Clauses in International Contracts, 58 INTERNATIONAL REVIEW OF LAW AND ECONOMICS 6 (2019).

Conforming Against Expectations: The Formalism of Non-Lawyers at the WTO, 48 THE JOURNAL OF LEGAL STUDIES 341 (2019). With Jerome Hsiang.

Giving the Treaty a Purpose: Comparing the Durability of Treaties and Executive Agreements, 113 THE AMERICAN JOURNAL OF INTERNATIONAL LAW 54 (2019).

A Computational Analysis of Constitutional Polarization, 105 CORNELL LAW REVIEW 1 (2019). With David Pozen & Eric Talley.

Work in Progress

What's in a Name? Auditing Large Language Models for Race and Gender Bias. With Amit Haim & Alejandro Salinas.

BLIND: DEFINING, UNCOVERING, AND COMBATING BIAS IN HUMAN AND MACHINE DECISIONS (The MIT Press, expected 2024). With Alex Chohlas-Wood & Sharad Goel.

Forecasting Algorithms for Causal Inference with Panel Data. With Jacob Goldin & Justin Young.

The Value of M&A Drafting. With Adam Badawi and Elisabeth de Fontenay.

The Terms of Freedom: Black Labor Contracts in the Reconstruction South. With Sarath Sanga.

Automated Court Date Reminders Reduce Warrants for Arrest: Evidence from a Text Messaging Experiment. With Alex Chohlas-Wood, Madison Coots, Joe Nudell, Emma Brunskill, Todd Rogers & Sharad Goel.

On the Opportunities and Risks of Foundation Models. With Rishi Bommasani, Percy Liang et al.

Other Publications

Do Judges Matter? *Comment*, 179 JOURNAL OF INSTITUTIONAL AND THEORETICAL ECONOMICS 247 (2023) (Comment on Original Article by Yun-chien Chang & Geoffry P. Miller).

Corporate Climate: A Machine Learning Assessment of Climate Risk Disclosures, in *Business Law and the Transition to a Net Zero Economy* (Engert / Enriques / Ringe / Varottil / Wetzer ed.). With Eric Talley.

Global Investor-Director Survey on Climate Risk Management, *LeaderXXchange & Columbia Law School – Ira M. Millstein Center*. With Kristin Bresnahan, Jens Frankenreiter, Sophie L'Hélias, Brea Hinricks, Nina Hodzic, Sneha Pandya & Eric Talley.

Predictions – Whether Algorithmic or Human – May Not Be Fair, *Boston Globe*. With Sharad Goel & Roseanna Sommers.

Justices will hear a challenge to affirmative action that isn't really about affirmative action, *Washington Post*. With Sharad Goel.

Republicans and Democrats Are Describing Two Different Constitutions, *The Atlantic*. With David Pozen & Eric Talley.

GRANTS & AWARDS

Stanford Law School, Award, Barbara Allen Babcock Prize for Excellence in Teaching (2023)

Stanford Impact Labs, Grant, "Blind Justice: Algorithmically Masking Race in Prosecutorial Charging Decisions" (2023)

Arnold Ventures, Grant, "Blind Justice: Algorithmically Masking Race in Prosecutorial Charging Decisions" (2023)

National Science Foundation, "DASS: Developer Implementation of Privacy in Software Systems", Grant (2022)

HAI Hoffman-Yee, Grant, "Towards Clear, Transparent, and Scalable Computational Contract Technology" (2022)

HAI Hoffman-Yee, Grant, "An AI 'Time Machine' for Investigating the History of Concepts" (2021)

PROFESSIONAL SERVICE

Manuscript Referee

American Law and Economics Review; Journal of Empirical Legal Studies; Law & Social Inquiry; The Journal of Law, Economics and Organization; The Journal of Legal Studies; Conference on Neural Information Processing Systems (NeurIPS); ACM Conference on Fairness, Accountability, and Transparency (FAccT); Artificial Intelligence and Law

Conference Organization

2021 American Law and Economics Association Meeting (Program Committee), 2015 Breaking and Building Borders in Europe (Organizing Committee)

Member

American Law and Economics Association; Association for Computing Machinery; Society for Empirical Legal Studies

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SKILLS

Languages
German, Latin

Programming
Python, R, R Markdown, Stata, Bash, Git, LaTeX