

Zubin Jelveh

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CURRENT POSITION	University of Maryland - iSchool & Criminology , College Park, MD <ul style="list-style-type: none">Assistant Professor	2021 -
OTHER AFFILIATIONS	Maryland Crime Research and Innovation Center , College Park, MD <ul style="list-style-type: none">Research Affiliate University of Chicago - Crime and Education Labs , Chicago, IL <ul style="list-style-type: none">Research Affiliate University of Maryland - Robert H. Smith School of Business , College Park, MD <ul style="list-style-type: none">Associate Director, Center for the Study of Business Ethics, Regulation, & Crime	2021 - 2021 - 2021 - 2021 - 2023
PRIOR POSITIONS	University of Chicago - Crime Lab New York , New York, NY <ul style="list-style-type: none">Research Director	2017 - 2021
EDUCATION	New York University - Tandon School of Engineering , New York, NY <ul style="list-style-type: none">Ph.D. in Computer Science Columbia University , New York, NY <ul style="list-style-type: none">M.A. in Quantitative Methods in the Social SciencesM.S. in Journalism University of Chicago , Chicago, IL <ul style="list-style-type: none">B.A. in Economics	2017 2011 2003 1999
JOURNAL ARTICLES	S. Heller, B. Jakubowski, Z. Jelveh and M. Kapustin. “Machine Learning Can Predict Shooting Victimization Well Enough to Help Prevent It.” August 2024. Forthcoming <i>Review of Economics and Statistics</i> . Z. Jelveh, B. Kogut and S. Naidu. “Political Language in Economics.” <i>The Economic Journal</i> , 2024. S. Tahamont, Z. Jelveh, M. McNeill, A. Chalfin, S. Yan, and B. Hansen. “No Ground Truth? No Problem: Improving Administrative Data Linking Using Active Learning and a Little Bit of Guile.” <i>PLOS ONE</i> , 2023. S. Tahamont, Z. Jelveh, A. Chalfin, S. Yan, and B. Hansen. “Errors in Administrative Data Linking and the Destruction of Statistical Power in Randomized Experiments.” <i>Journal of Quantitative Criminology</i> , 2021.	
WORKING PAPERS	A. Chalfin and Z. Jelveh. “Perils and Pitfalls in the Use of Synthetic Control Methods to Study Public Safety Interventions.” January 2024. Z. Jelveh, A. Tentner, X. Beberman, Amy Spellman, and H. Pollack. “Use of Emergency Services Agency Administrative Data to Predict Individuals’ Risk of Behavioral Health-Involved Encounter with Police.” March 2024. (Under Review: <i>Journal of Quantitative Criminology</i>) J. Guzman, Z. Jelveh and B. Kogut. “The Spirit of SPIRIT: P-Hacking in Academic Clinical Trials.” February 2024. A. Arora, A. Beberman, Z. Jelveh, and A. Motta. “The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims.” October 2023. Z. Jelveh, B. Kogut and A. Ryu. “Judicial Deregulation of Campaign Contributions by Corporate Elites: A Statistical Analysis of Political Donations and a Topic Analysis of Political Advertising.” February 2022.	

PEER-REVIEWED CONFERENCE & WORKSHOP PAPERS	Z. Jelveh and M. Luca. “Towards Diagnosing Accuracy Loss in Discrimination-Aware Classification: An Application to Predictive Policing.” <i>Workshop on Fairness, Accountability, and Transparency in Machine Learning</i> , Lille, France, July 2015.	
	Z. Jelveh, B. Kogut and S. Naidu. “Detecting Latent Ideology in Expert Text: Evidence From Academic Papers in Economics.” <i>Empirical Methods in Natural Language Processing</i> , Doha, Qatar 2014.	
	Z. Jelveh and K. W. Ross. “Profiting From Filesharing: A Measurement Study of Economic Incentives in Cyberlockers.” <i>IEEE International Conference on Peer-to-Peer Computing</i> , Tarragona, Spain 2012.	
	R. Dey, Z. Jelveh and K. W. Ross. “Facebook Users Have Become Much More Private: A Large-Scale Study.” <i>IEEE International Workshop on Security and Social Networking</i> , Lugano, Switzerland 2012.	
INVITED CONFERENCE & WORKSHOP PAPERS	“The Spirit of SPIRIT: P-Hacking in Academic Clinical Trials.” Science of Science Funding Summer Institute, <i>National Bureau of Economic Research</i> , 2024.	
	“The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims.” Economics of Crime Workshop, <i>National Bureau of Economic Research</i> , Winter 2024.	
	“Predicting Who Gets Shot: What We Learn About Algorithms and Fairness from Using Police Data.” Economics of Crime Summer Institute, <i>National Bureau of Economic Research</i> , 2020.	
	J. Cantor, Z. Jelveh, and P. Tong. “The Impact of Access to Substance Abuse Treatment on Disability.” <i>National Bureau of Economic Disability Research Center Working Paper</i> , 2019.	
	A. Chalfin, O. Danieli, A. Hillis, Z. Jelveh, M. Luca, J. Ludwig, and S. Mullainathan. “Productivity and Selection of Human Capital with Machine Learning.” <i>American Economic Review: Papers and Proceedings</i> , San Francisco, USA 2016.	
ON-GOING PROJECTS	“Predicting and Preventing Pretrial Domestic Violence in New Jersey” (with E. Andrade, A. Arora, M. McNeill, and C. Silverman)	
	“The Base-Rate Fallacy in Public Policy: Evidence from the Diffusion of Strangulation Statutes” (with Xinyi Situ)	
	“Domain Adaptation for Record Linkage” (with M. McNeill and S. Tahamont)	
	“Unintended Consequences of Policy Changes: Evidence from Bail Reform in Maryland” (with Lydia Becker)	
GRANTS	The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims.	
	▪ Arnold Ventures, \$90,000. Co-PI: Ashna Arora.	2023
	An Assessment of Pretrial Risk across Maryland Jurisdictions using Client Legal Utility Engine (CLUE) Data.	
	▪ Governor’s Office of Crime Control & Prevention, Maryland, \$313,104. (PIGF-2023-0021).	2022
	An Assessment of Pretrial Outcomes across Maryland using the CLUE Data.	
	▪ Governor’s Office of Crime Control & Prevention, Maryland, \$267,156. (DRCE-2022-0001). Co-PIs: Bianca Bersani.	2021
	Strengthening data-driven pretrial release in New Jersey.	
	▪ National Institute of Justice, Research and Evaluation on the Administration of Justice Award, \$837,477. (15PNIJ-21-GG-02806-RESS). Co-PIs: Alexandra Chouldechova, Jens Ludwig, Sendhil Mullainathan.	2021
	Predictive Analytics Applied to Integrated Administrative Emergency Response Datasets in Chicago.	

- National Institute of Mental Health, Pilot Services Research Grants Not Involving Clinical Trials, \$397,365.
(5R01MH117168-03).
PI: Harold Pollack. 2021
- The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims**
 - Michael Reese Health Trust, \$35,000.
Co-PI: Ashna Arora. 2019
- Development of a Predictive Model to Assess Risks of Re-Victimization of Domestic Violence Victims in Latin America.**
 - Inter-American Development Bank, \$95,370.
Co-PI: Aaron Chalfin. 2018
- Using Machine Learning to Identify High Risk Domestic Violence Offenders in New York City.**
 - National Institute of Justice, Research and Evaluation on Violence Against Women Award, \$452,553.
(2017-VA-CX-0033).
PI: Jens Ludwig
Co-PIs: Sendhil Mullainathan, Aaron Chalfin. 2017

**PROFESSIONAL
SERVICE**

Referee:

- *American Economic Review, Journal of Quantitative Criminology, PNAS Nexus, Sociological Methods and Research, Sloan Foundation, Swiss National Science Foundation*

Professional Service:

- American Society of Criminology
 - Panel Organizer - Quasi-Experimental Methods for Program and Practice (2023)
 - Panel Organizer - Machine Learning Applications in Diverse Substantive Domain (2022)
- Association for Public Policy Analysis and Management
 - Program Committee – Crime & Drugs (2022)

University Service (University of Maryland):

- College of Information Studies:
 - InfoSci Committee (2023 -)
 - Data Science Committee (2022 - 2023)
 - RCC Committee (2021 - 2022)
- Department of Criminology and Criminal Justice:
 - Speaker Series Committee (2022 - 2023)
 - Statistics and Teaching Committee (2021 -)
 - Graduate Affairs Committee (2021 - 2022)

ADVISING

Ph.D. Advising:

- Marilyn Harbert (Information Studies)
- Co-advise: Tin Nguyen (Computer Science)

TEACHING

University of Maryland

- College of Information Studies
 - Data Science Techniques (Undergraduate)
- Department of Criminology and Criminal Justice
 - Foundations of Data Science for Criminology (Undergraduate)
 - Data Science for Criminology (Graduate)

Short Courses

- Florida College of Advanced Judicial Studies: Artificial Intelligence in the Criminal Justice System (2023)
- American Society of Criminology: Applications of Machine Learning in Criminology and Criminal Justice (2019)

AWARDS & FELLOWSHIPS

- Crime Lab New York Doctoral Fellow 2014
- National Science Foundation IGERT Fellow 2011 - 2013
- Malofiej Silver Award for Infographics 2007
- New York Times Punch Award 2005

INVITED TALKS & CONFERENCE PRESENTATIONS

- “The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims.” *Conference on Data Science and Law*, 2023.
- “The Social Value of Forecasting Algorithms.” *National Institute of Justice Research Conference*, 2023.
- “Machine Learning Can Predict Shooting Victimization Well Enough to Help Prevent It.” *University of Chicago Crime Lab*, 2022.
- “The Impact of Specialized Prosecution the Safety of Domestic Violence Victims.” *The American Society of Criminology*, 2022.
- “Domain Adaptation for Record Linkage.” *Association for Public Policy Analysis and Management*, 2021.
- “No Ground Truth? No Problem: Improving Administrative Data Linking Using Active Learning and a Little Bit of Guile.” *Association for Public Policy Analysis and Management*, 2021.
- “The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims.” Annual Meeting of the American Law and Economics Association, October 2021.
- “The Lessons and Limits of Predicting Shooting Victimization.” The Stockholm Criminology Symposium, June 2021.
- “Identifying Individuals at Highest Risk of Behavioral Health-Involved Encounter with Police.” AcademyHealth Annual Research Meeting, June 2021.
- “The Lessons and Limits of Predicting Shooting Victimization.” CLIP Colloquium University of Maryland, February 2021.
- “The Role of Machine Learning in Social Policy.” Workshop on Machine Learning, Theory, and Methods in the Social Sciences. Institute for Advanced Study, Princeton, NJ, USA, March 2020.
- “Use of Emergency Services Agency Administrative Data to Predict Individuals’ Risk of Behavioral Health-Involved Encounter with Police.” *Association for Public Policy Analysis and Management*, 2020.
- “Predicting Who Gets Shot: What We Learn About Algorithms and Fairness from Using Police Data.” *Association for Public Policy Analysis and Management*, 2020.
- “P-Hacking Across Organizations.” The 4th Annual Theory of the Firm Conference. Columbia Business School, New York, NY, USA, December 2019.
- “Machine Learning in Public Policy.” School of Education, New York University, New York, NY, USA, April 2019.
- “The Effect of Record Linkage on Treatment Effect Estimation and Prediction.” School of Criminal Justice, Rutgers University, Newark, NJ, USA, March 2019.
- “Machine Learning in Public Policy.” Department of Criminology & Criminal Justice, University of Maryland, College Park, MD, USA, November 2018.
- “Not so Conservative after All: Exact Matching and Attenuation Bias in Randomized Experiments.” *Association for Public Policy Analysis and Management*, Chicago, USA 2017.
- “Machine Learning in Public Policy.” Quantitative Methods in the Social Sciences Seminar, Columbia University, New York, NY, USA, April 2016.
- “Politics in Economics.” Text-as-Data Speaker Series, Center for Data Science, New York University, New York, NY, USA, October 2015.
- “Algorithmic Statistical Discrimination.” *Workshop on Fairness, Accountability, and Transparency in Machine Learning*, Lille, France, July 2015.
- “Algorithmic Statistical Discrimination.” *ACM Conference on Economics and Computation*, Portland, Oregon, USA, June 2015.
- “Politics in Economics.” *Text Analysis Conference*, Princeton, NJ, USA, May 2015.
- “Detecting Opinion Spam/Algorithmic Statistical Discrimination.” Microsoft Research, New York, NY, USA, November 2014.
- “Detecting Latent Ideology in Expert Text: Evidence From Academic Papers in Economics.” *Empirical Methods in Natural Language Processing*, Doha, Qatar, October 2014.

“Detecting Latent Ideology in Expert Text: Evidence From Academic Papers in Economics.” Doctoral Forum at *SIAM International Conference on Data Mining*, Philadelphia, PA, USA April 2014.
“Methods for Detecting Ideology from Text.” Quantitative Methods Seminar, Department of Politics, New York University, New York, NY, USA, April 2014.

**PREVIOUS
PROFESSIONAL
EXPERIENCE**

University of Chicago - Crime Lab New York, New York, NY

- Data Scientist

Sep 2015 - Jan 2017

Consultant

- Data Scientist

Oct 2013 - Oct 2015

LinkedIn Corp., Mountain View, CA

- Data Science Intern

May 2012 - Aug 2012

The New Republic, Washington, D.C.

- Economics Blogger

Mar 2009 - Mar 2010

Conde Nast Portfolio, New York, NY

- Economics Blogger, Producer

Dec 2006 - Dec 2008

Reuters, New York, NY

- Treasury Market Reporter

Jun 2006 - Nov 2006

The New York Times, New York, NY

- Producer, Business Section

Aug 2003 - Jun 2006

[CV compiled on 2024-09-04]