

# Zubin Jelveh

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<b>CURRENT POSITION</b>	<b>University of Maryland</b> , College Park, MD <ul style="list-style-type: none"><li>Assistant Professor - College of Information &amp; Dept. of Criminology and Criminal Justice</li></ul> 2021 -
<b>OTHER AFFILIATIONS</b>	<b>University of Maryland</b> , College Park, MD <ul style="list-style-type: none"><li>Maryland Crime Research and Innovation Center - Research Affiliate</li><li>Trustworthy A.I. in Law &amp; Society - Research Affiliate</li></ul> <b>University of Chicago - Crime and Education Labs</b> , Chicago, IL <ul style="list-style-type: none"><li>Research Affiliate</li></ul> 2021 -
<b>PRIOR POSITIONS</b>	<b>University of Chicago - Crime Lab New York</b> , New York, NY <ul style="list-style-type: none"><li>Research Director</li></ul> 2017 - 2021 <b>University of Maryland - Robert H. Smith School of Business</b> , College Park, MD <ul style="list-style-type: none"><li>Associate Director, Center for the Study of Business Ethics, Regulation, &amp; Crime</li></ul> 2021 - 2023
<b>EDUCATION</b>	<b>New York University - Tandon School of Engineering</b> , New York, NY <ul style="list-style-type: none"><li>Ph.D. in Computer Science</li></ul> 2017 <b>Columbia University</b> , New York, NY <ul style="list-style-type: none"><li>M.A. in Quantitative Methods in the Social Sciences</li><li>M.S. in Journalism</li></ul> 2011 2003 <b>University of Chicago</b> , Chicago, IL <ul style="list-style-type: none"><li>B.A. in Economics</li></ul> 1999
<b>JOURNAL ARTICLES</b>	Z. Jelveh, A. Tentner, X. Beberman, Amy Spellman, and H. Pollack. “Predicting behavioral health-involved police encounters: A machine learning approach.” Forthcoming <i>Journal of Quantitative Criminology</i> , 2025. S. Heller, B. Jakubowski, Z. Jelveh and M. Kapustin. “Machine Learning Can Predict Shooting Victimization Well Enough to Help Prevent It.” <i>Review of Economics and Statistics</i> , 2024. 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.
<b>PEER-REVIEWED CONFERENCE &amp; WORKSHOP PAPERS</b>	T. Nguyen, J. Xu, Z. Che, P. Nguyen-Le, R. Dandamudi, D. Braman, F. Huang, H. Daumé, and Z. Jelveh. “Effort-aware Fairness: Incorporating a Philosophy-informed, Human-centered Notion of Effort into Algorithmic Fairness Metrics” <i>Conference on Artificial Intelligence, Ethics, and Society</i> , Madrid, Spain, October 2025. T. Nguyen, J. Xu, P. Nguyen Le, J. Lazar, D. Braman, H. Daumé, and Z. Jelveh. “Technical AI Fairness Criteria Might Constitutionally Apply to U.S. Recidivism Risk Assessment Tools, but How and for Whom?” <i>International Conference on Artificial Intelligence and Law</i> , Chicago, USA, June 2025. 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.	
<b>WORKING PAPERS</b>	Z. Chen and Z. Jelveh. “Synthetic Data for Systematic Evaluation: How Well Can LLMs Perform Deductive Coding of Economic Concepts?” May 2025.	
	A. Chalfin and Z. Jelveh. “Perils and Pitfalls in the Use of Synthetic Control Methods to Study Public Safety Interventions.” January 2024.	
	J. Guzman, Z. Jelveh and B. Kogut. “The Spirit of SPIRIT: P-Hacking in Academic Clinical Trials.” November 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.	
<b>INVITED CONFERENCE &amp; WORKSHOP PAPERS</b>	“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.	
<b>ON-GOING PROJECTS</b>	“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)	
<b>GRANTS</b>	<b>Planning Grant: Interventions to Support Domestic Violence Survivors in Cook County</b>	
	▪ Arnold Ventures, \$211,041. Co-PIs: Abigail Adam and Elisa Jacome	2025
	<b>The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims.</b>	
	▪ Arnold Ventures, \$90,000. Co-PI: Ashna Arora	2023
	<b>An Assessment of Pretrial Risk across Maryland Jurisdictions using Client Legal Utility Engine (CLUE) Data.</b>	
	▪ Governor’s Office of Crime Control & Prevention, Maryland, \$313,104. (PIGF-2023-0021).	2022

	<b>An Assessment of Pretrial Outcomes across Maryland using the CLUE Data.</b> <ul style="list-style-type: none"> <li>▪ Governor’s Office of Crime Control &amp; Prevention, Maryland, \$267,156. (DRCE-2022-0001).</li> <li>Co-PI: Bianca Bersani</li> </ul>	2021
	<b>Strengthening data-driven pretrial release in New Jersey.</b> <ul style="list-style-type: none"> <li>▪ National Institute of Justice, Research and Evaluation on the Administration of Justice Award, \$837,477. (15PNIJ-21-GG-02806-RESS).</li> <li>Co-PIs: Alexandra Chouldechova, Jens Ludwig, Sendhil Mullainathan, and Gregory Stoddard.</li> </ul>	2021
	<b>Predictive Analytics Applied to Integrated Administrative Emergency Response Datasets in Chicago.</b> <ul style="list-style-type: none"> <li>▪ National Institute of Mental Health, Pilot Services Research Grants Not Involving Clinical Trials, \$397,365. (5R01MH117168-03).</li> <li>PI: Harold Pollack.</li> </ul>	2021
	<b>The Impact of Specialized Prosecution on the Safety of Domestic Violence Victims</b> <ul style="list-style-type: none"> <li>▪ Michael Reese Health Trust, \$35,000.</li> <li>Co-PI: Ashna Arora.</li> </ul>	2019
	<b>Development of a Predictive Model to Assess Risks of Re-Victimization of Domestic Violence Victims in Latin America.</b> <ul style="list-style-type: none"> <li>▪ Inter-American Development Bank, \$95,370.</li> <li>Co-PI: Aaron Chalfin.</li> </ul>	2018
	<b>Using Machine Learning to Identify High Risk Domestic Violence Offenders in New York City.</b> <ul style="list-style-type: none"> <li>▪ National Institute of Justice, Research and Evaluation on Violence Against Women Award, \$452,553. (2017-VA-CX-0033).</li> <li>PI: Jens Ludwig</li> <li>Co-PIs: Sendhil Mullainathan, Aaron Chalfin.</li> </ul>	2017

**PROFESSIONAL SERVICE**

	<b>Referee:</b> <ul style="list-style-type: none"> <li>▪ <i>American Economic Review, International Review of Law and Economics, Journal of Quantitative Criminology, PNAS Nexus, Quarterly Journal of Economics, Security Journal, Sloan Foundation, Sociological Methods and Research, Swiss National Science Foundation</i></li> </ul>	
	<b>Professional Service:</b> <ul style="list-style-type: none"> <li>▪ American Society of Criminology <ul style="list-style-type: none"> <li>• Panel Organizer - Quasi-Experimental Methods for Program and Practice (2023)</li> <li>• Panel Organizer - Machine Learning Applications in Diverse Substantive Domain (2022)</li> </ul> </li> <li>▪ Association for Public Policy Analysis and Management <ul style="list-style-type: none"> <li>• Program Committee – Crime &amp; Drugs (2022)</li> </ul> </li> <li>▪ Conference on Artificial Intelligence, Ethics and Society <ul style="list-style-type: none"> <li>• Program Committee (2025)</li> </ul> </li> </ul>	
	<b>University Service</b> (University of Maryland): <ul style="list-style-type: none"> <li>▪ College of Information Studies: <ul style="list-style-type: none"> <li>• InfoSci Committee (2023 - )</li> <li>• Data Science Committee (2022 - 2023)</li> <li>• RCC Committee (2021 - 2022)</li> </ul> </li> <li>▪ Department of Criminology and Criminal Justice: <ul style="list-style-type: none"> <li>• Speaker Series Committee (2022 - 2023)</li> <li>• Statistics and Teaching Committee (2021 - )</li> <li>• Graduate Affairs Committee (2021 - 2022)</li> </ul> </li> </ul>	

**ADVISING**                      Ph.D. Advising:

- Zhuohui Chen (College of Information)
- Co-advise: Marilyn Harbert (College of Information)
- Daniel Ruskin (College of Information)
- Co-advise: Tin Nguyen (Computer Science)

## TEACHING

### University of Maryland

- College of Information Studies
  - A.I.-Powered Research Assistants (Graduate)
  - Data Science Techniques (Undergraduate)
- Department of Criminology and Criminal Justice
  - Foundations of Data Science for Criminology (Undergraduate)
  - Data Science for Criminology (Graduate)
  - Coding for Criminology (Undergraduate)

### 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 2025-11-05]