

# Zubin Jelveh

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CONTACT INFORMATION	Crime Lab New York University of Chicago Urban Labs 291 Broadway, Suite 1101 New York, NY 10007	646-552-9775 zjelveh@uchicago.edu
RESEARCH INTERESTS	Applying techniques from machine learning, natural language processing and econometrics to problems in the social sciences primarily in the areas of criminal justice, the science of science, and data linkage.	
EDUCATION	<b>New York University</b> , New York, NY, USA <i>Ph.D.</i> , Computer Science • Advisors: Professors Bruce Kogut and Keith Ross	<b>2017</b>
	<b>Columbia University</b> , New York, NY, USA <i>M.A.</i> , Quantitative Methods in the Social Sciences <i>M.S.</i> , Journalism	<b>2011</b> <b>2003</b>
	<b>University of Chicago</b> , Chicago, IL, USA <i>B.A.</i> , Economics	<b>1999</b>
CURRENT POSITION	<b>University of Chicago - Crime Lab New York</b> <i>Research Director, Data Science</i>	<b>Jan. 2017 – Present</b>
CONFERENCE AND WORKSHOP PAPERS	A. Chalfin, O. Danieli, A. Hillis, <b>Z. Jelveh</b> , 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>Z. Jelveh</b> 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.  <b>Z. Jelveh</b> , 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.  <b>Z. Jelveh</b> 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, <b>Z. Jelveh</b> 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.	
WORKING PAPERS AND WORKS IN PROGRESS	A. Chalfin, V. Gilbert and Z. Jelveh. “Cross-Sectional and Longitudinal Predictability: Combining Synthetic Controls and Machine Learning for Better Counterfactual Construction.” Ongoing.  A. Chalfin, Z. Jelveh, S. Tahamont and S. Yan. “The Effect of Record Linkage Matching Error on Prediction and Causation.” Ongoing.  Z. Jelveh, B. Kogut and S. Naidu. “Political Language in Economics.” October 2015.  Z. Jelveh, B. Kogut and S. Naidu. “P-Hacking and Ideology.” Ongoing.	

Z. Jelveh and M. Luca. “Returns to Online Reputation: Evidence from Real Estate Agents.” Ongoing.

A. Chalfin, Z. Jelveh, M. Luca and J. Ludwig. “Using Machine Learning to Reduce Domestic Violence in New York City.” Ongoing.

POSTERS AND  
INVITED  
PRESENTATIONS

Z. Jelveh. “Machine Learning in Public Policy.” Quantitative Methods in the Social Sciences Seminar, Columbia University, New York, NY, USA, April 2016.

Z. Jelveh, B. Kogut and S. Naidu. “Politics in Economics.” Text-as-Data Speaker Series, Center for Data Science, New York University, New York, NY, USA, October 2015.

Z. Jelveh and M. Luca. “Algorithmic Statistical Discrimination.” *Workshop on Fairness, Accountability, and Transparency in Machine Learning*, Lille, France, July 2015.

Z. Jelveh and M. Luca. “Algorithmic Statistical Discrimination.” *ACM Conference on Economics and Computation*, Portland, Oregon, USA, June 2015.

Z. Jelveh, B. Kogut and S. Naidu. “Politics in Economics.” *Text Analysis Conference*, Princeton, NJ, USA, May 2015.

Z. Jelveh and M. Luca. “Detecting Opinion Spam/Algorithmic Statistical Discrimination.” Microsoft Research, New York, NY, USA, November 2014.

Z. Jelveh, B. Kogut and S. Naidu. “Detecting Latent Ideology in Expert Text: Evidence From Academic Papers in Economics.” *Empirical Methods in Natural Language Processing*, Doha, Qatar, October 2014.

Z. Jelveh, B. Kogut and S. Naidu. “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.

Z. Jelveh, B. Kogut and S. Naidu. “Methods for Detecting Ideology from Text.” Quantitative Methods Seminar, Politics Department, New York University, New York, NY, USA, April 2014.

PREVIOUS  
PROFESSIONAL  
EXPERIENCE

**University of Chicago - Crime Lab New York**

*Data Scientist*

**Sep. 2015 – Jan. 2017**

**Consultant**

*Data Scientist*

**Oct. 2013 – Oct. 2015**

**LinkedIn Corp.**, Mountain View, CA, USA

*Data Science Intern*

**May 2012 – Aug. 2012**

**The New Republic**, Washington, D.C., USA

*Economics Blogger*

**Mar. 2009 – Mar. 2010**

**Conde Nast Portfolio**, New York, NY, USA

*Economics Writer-Producer*

**Dec. 2006 – Dec. 2008**

**Reuters**, New York, NY, USA

*Treasury Market Reporter*

**Jun. 2006 – Nov. 2006**

**The New York Times**, New York, NY, USA

*Business Section Producer*

**Aug. 2003 – Jun. 2006**

TEACHING EXPERIENCE	<b>Teaching Associate, Columbia University</b> <i>School of Social Work</i> <b>Macroeconomics and Policy Analysis</b>	<b>Feb. 2014 – May 2014</b>
AWARDS AND FELLOWSHIPS	“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. Crime Lab New York Doctoral Fellow 2014 National Science Foundation IGERT Fellowship, 2011-2013 New York Times Punch Award Malofiej Silver Award for Infographics	
RELEVANT COURSEWORK	Advanced Empirical Methods (NYU) Applied Game Theory (NYU) Artificial Intelligence (NYU) Design and Analysis of Algorithms I + II (NYU) Economics - Strategy I (NYU) Panel Data Econometrics (NYU) Principles of Database Systems (NYU) Advanced Microeconomics (Columbia) Advanced Econometrics (Columbia) Analysis and Optimization (Columbia) Bayesian Modeling and Computation (Columbia) Data Mining (Columbia) Elementary Stochastic Processes (Columbia) Probability and Statistical Inference (Columbia)	