Zubin Jelveh

CONTACT
INFORMATION

Crime Lab New York
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EDUCATION

New York University, New York, NY, USA
Ph.D., Computer Science   **Sep. 2011 – Jan. 2017**

- Advisors: Professors Bruce Kogut and Keith Ross

Columbia University, New York, NY, USA
M.A., Quantitative Methods in the Social Sciences   **Sep. 2008 – Feb. 2011**
M.S., Journalism   **Sept. 2001 – Feb. 2003**

University of Chicago, Chicago, IL, USA
B.A., Economics   **Oct. 1995 – Jun. 1999**

CONFERENCE
PAPERS

A. Chalfin, O. Danieli, A. Hillis, **Z. Jelveh**, M. Luca, J. Ludwig, and S. Mullainathan. "Productivity and Selection of Human Capital with Machine Learning." *American Economic Review: Papers and Proceedings*, San Francisco, USA 2016.

Z. Jelveh and M. Luca. "Towards Diagnosing Accuracy Loss in Discrimination-Aware Classification: An Application to Predictive Policing." *Workshop on Fairness, Accountability, and Transparency in Machine Learning*, Lille, France, July 2015.

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 2014.

Z. Jelveh and K. W. Ross. "Profiting From Filesharing: A Measurement Study of Economic Incentives in Cyberlockers." *IEEE International Conference on Peer-to-Peer Computing*, Tarragona, Spain 2012.

R. Dey, **Z. Jelveh** and K. W. Ross. "Facebook Users Have Become Much More Private: A Large-Scale Study." *IEEE International Workshop on Security and Social Networking*, 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.

PROFESSIONAL EXPERIENCE	**University of Chicago - Crime Lab New York** *Research Director, Data Science*	**Jan. 2017 – Present**
	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 *Blogger*	**Mar. 2009 – Mar. 2010**
	Conde Nast Portfolio, New York, NY, USA *Writer-Producer*	**Dec. 2006 – Dec. 2008**
	Reuters, New York, NY, USA *Reporter*	**Jun. 2006 – Nov. 2006**
	The New York Times, New York, NY, USA *Producer*	**Aug. 2003 – Jun. 2006**

TEACHING EXPERIENCE	**Teaching Associate, Columbia University** *School of Social Work* Macroeconomics and Policy Analysis	**Feb. 2014 – May 2014**

AWARDS AND FELLOWSHIPS

Crime Lab New York Doctoral Fellow
National Science Foundation IGERT Fellowship
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)

LANGUAGES

Python, R, SQL, Matlab, SQL, Ruby, Pig, PHP, C++