Evan Misshula

https://EvanMisshula.github.io
EMisshula@jjay.cuny.edu
(917) 975-9075

Summary of qualifications

I combine PhD level coursework and/or original research in four areas statistics including time series, social networks and spatial statistics, machine learning and pattern recognition, web application development and operating systems security including penetration testing and wireless networks.

Education

PhD Criminal Justice *May 2015 (expected)*
City University of New York, New York, NY

BS Applied Math (Operations Research) and BA Economics & Mathematics *May 1988*
Yale University, New Haven, CT

Selected Publications

"A Reexamination of Connectivity Trends via Exponential Random Graph Modeling in Two IDU Risk Networks," in *Substance use & misuse*. 2013.

"Network sampling of social divisions in a rural inuit community," in *Identities*. 2012.

"Estimating the Size of the Methamphetamine-Using Population in New York City Using Network Sampling Techniques," in *Adv. in Applied Sociology*. 2012.

"Dynamics of Methamphetamine Markets in New York City," in *Final Technical Report to the National Institute of Justice*. 2011.

Career History

Statistical Analyst, *CUNY John Jay Research & Evaluation* *July 2012 - Present*
- Responsible for designing statistical tests for a wide variety of projects
- Created web mapping tools using d3, TileMill and Leaflet
- Estimated prison populations using ARIMA and queuing theory

Data Science for Social Good, *University of Chicago* *Summer 2013*
- Developed neighborhood and property analytics software for Cook County Landbank delivered as a Django python application
- Integrated mapping, economic and demographic data

RF CUNY, *CUNY* *February 2010 - May 2013*
- Conducted original research on public health and criminal justice issues including prison simulation, suicide, domestic violence supported by NIH and NSF.
- Conducted original research on detecting causal relations supported by CUNY Advanced Research Collaborative.

Skills

Compiled Languages: C, C++, Java
Scripted Languages: R, Python, JavaScript, LaTeX, Ruby, PHP, SPSS
Libraries: D3.js, Leaflet.js, ggplot2, Django, Rails, Postgres, MySql
Operating Systems: Windows, Mac OS X, Linux, UNIX, Bash, Powershell

Awards and Honors

Provost's Digital Initiative grant winner, CUNY Graduate Center *2013 -2014*
Steven and Elly Hammerman ethics across the curriculum, CUNY John Jay *2012*
US Cyberchallenge student fellow, Eastern Regional Camp (Virginia) *2011 & 2012*
DHS Data Science Summer fellow, Univ of Illinois, Urbanana-Champaigne *2010*
PhD fellowship, CUNY John Jay *2009 - 2014*
Sunshine Scholarship, College Initiative *2009 - 2014*