

EXPERIENCE	<b>University of Chicago</b> Postdoctoral Scholar (Advisor: Dan Black), Harris School of Public Policy	2017–Now
EDUCATION	<b>Northwestern University</b> Ph.D. Mathematics (Advisor: Steve Zelditch) Dissertation: Euclidean Embeddings and Riemannian Bergman Metrics	2009–2014
	<b>Columbia University</b> B.A. Mathematics with Honors, Columbia College Class of 2009 Thesis: An Application of Poincaré’s Fundamental Polyhedron Theorem	2005–2009
PUBLICATIONS	<b>Randomization Bias in Field Trials to Evaluate Targeting Methods</b> <i>Economics Letters</i> , Volume 167, June 2018, Pages 131–135. <b>E. Potash</b>	
	<b>Predictive Modeling for Public Health: Childhood Lead Poisoning</b> <i>21st ACM SIGKDD Proceedings</i> <b>E. Potash</b> , J. Brew, A. Loewi, S. Majumdar, A. Reece, J. Walsh, E. Rozier, E. Jorgensen, R. Mansour, R. Ghani	
	<b>Euclidean Embeddings and Riemannian Bergman Metrics</b> <i>The Journal of Geometric Analysis</i> , January 2016, Volume 26, Issue 1, pp 499–528 <b>E. Potash</b>	
WORKING PAPERS	<b>Prediction-Based Decisions and Fairness: A Catalogue of Choices, Assumptions, and Definitions</b> S. Mitchell, <b>E. Potash</b> , S. Barocas	
WORK IN PROGRESS	<b>Validation of a Machine Learning Prediction Model of Elevated Blood Lead Levels</b> <b>E. Potash</b> , R. Ghani, E. Jorgensen, C. Lohff, N. Prachand, R. Mansour	
	<b>The Effect of Early Interventions on Childhood Lead Exposure</b> with Emile Jorgensen	
OTHER WRITING	<b>Why It’s So Hard to Find Out Where the Candidates Stand</b> <i>Washington Monthly</i> , November 2016	
INVITED TALKS	<b>Environmental Policy Institute at Chicago (EPIC) Workshop</b> Can Health Departments Prevent Childhood Lead Poisoning?, 5/15/2018	
	<b>EPA Research and Development “Science at Work” Seminar</b> Proactive Lead Investigations, 4/12/2017	
	<b>City Bureau Public Forum</b> Lead Poisoning Panel Speaker, 3/13/2017	
	<b>American Public Health Association Annual Meeting</b> Predictive Analytics in Advancing Public Health Session, 11/3/2015	
	<b>Bloomberg Data for Good Exchange</b> Predictive Modeling for Public Health: Childhood Lead Poisoning, 9/30/2015	
	<b>ACM Knowledge Discovery and Data Mining (KDD) Annual Conference</b> Predictive Modeling for Public Health: Childhood Lead Poisoning, 8/12/2015	

GRANTS	<b>Collecting and Sharing Information across Sectors in Chicago and Illinois to Identify Children at Risk for Lead Poisoning.</b> Robert Wood Johnson Foundation. With Rayid Ghani, Raed Mansour, Matthew Roberts, John DiCello, Tom Schenk, Illinois Department of Human Services, and Alliance of Chicago. Grant ID 73354. \$200,000.	
INDUSTRY EXPERIENCE	<b>University of Chicago</b> Research Professional II, Center for Data Science and Public Policy	2014–2017
	<b>Eric and Wendy Schmidt Data Science for Social Good</b> Technical Mentor	Summer 2016
	<b>Open Energy Efficiency Meter</b> (openeemeter.org) Data Scientist	2015
	<b>Oroeco</b> (oroeco.com) Scientific Software Engineer	2014
TEACHING	<b>University of Chicago</b> Introduction to Program Evaluation (Spring 2019) Introduction to Programming for Public Policy (Spring 2018, 2016)	2016
	<b>Northwestern University</b> Assistant: Probability & Stochastic Processes, Mechanics, Real Analysis	2008–2013
SKILLS	Python (numpy, scipy, pandas, sklearn, matplotlib) R (dplyr, Stan, ggplot2) SQL (PostgreSQL), Java, JavaScript (D3.js), Ruby (on Rails) Geospatial (PostGIS, GDAL, OpenStreetMap, Mapnik, QGIS, Leaflet) git, bash, GNU/Linux, L <sup>A</sup> T <sub>E</sub> X Fluent in Russian	
REFERENCES	<ul style="list-style-type: none"> <li>• Dan Black, danblack@uchicago.edu Professor, Harris School of Public Policy, University of Chicago</li> <li>• Matt Gee, mattgee@gmail.com Research Fellow, Urban Center for Computation and Data</li> <li>• Emile Jorgensen, Emile.Jorgensen@cityofchicago.org Epidemiologist, Chicago Department of Public Health</li> <li>• Steve Zelditch, s-zelditch@northwestern.edu Wayne and Elizabeth Jones Professor of Mathematics, Northwestern University</li> </ul>	