Doing and Teaching Data Science for Social Good

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Center for Data Science & Public Policy
Alamance County
Albuquerque
Baltimore
Boise
Buffalo
Chicago
Cincinnati
Cleveland
Colorado City
Detroit
East Haven
Escambia County
Ferguson
Harvey
Inglewood
Kenton County
Los Angeles
Maricopa County
Meridian
Miami
Minneapolis
Missoula
Montgomery County
New Orleans
Newark
New Jersey
Orange County
Pittsburgh
Portland
Price George County
Puerto Rico
Seattle
Steubenville
Suffolk County
University of Montana
Vila Rica
Virgin Islands
Warren
Washington
Impaired Attention
Lack of Motor Skills
Hearing Loss
Learning Disability
Lower IQ
Memory Problems
WHO IS DROPPING OUT?

30% OF HIGH SCHOOL STUDENTS IN THE U.S. DROP OUT

EVERY YEAR, 1.3 MILLION STUDENTS DROP OUT OF SCHOOL.

7,000 EVERY DAY OF SCHOOL OR 1 EVERY 26 SECONDS
Problems in Social Good

- Can I detect who’s going to get lead poisoning early?
- Can I determine which home inspections to prioritize?
- Which policies do I modify to improve maternal mortality?
- How much impact is my after-school program having?
- Can I get data that helps me match employers with employees?
What’s missing?

- Educating Academia and Policymakers
- Collaborative Projects and Use Cases
- New Methods and Reusable Tools
What we need

Skills

Computer Science & Programming

Statistics & Machine Learning

Econometrics & Social Science Methods

Experimental Design

Privacy, Ethics, Transparency Issues

Communication

Problem Formulation
The Harris School of Public Policy and the Computer Science Department offer a Master's degree in Computational Analysis &
Contact Information

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Data Science for Social Good Summer Fellowship
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