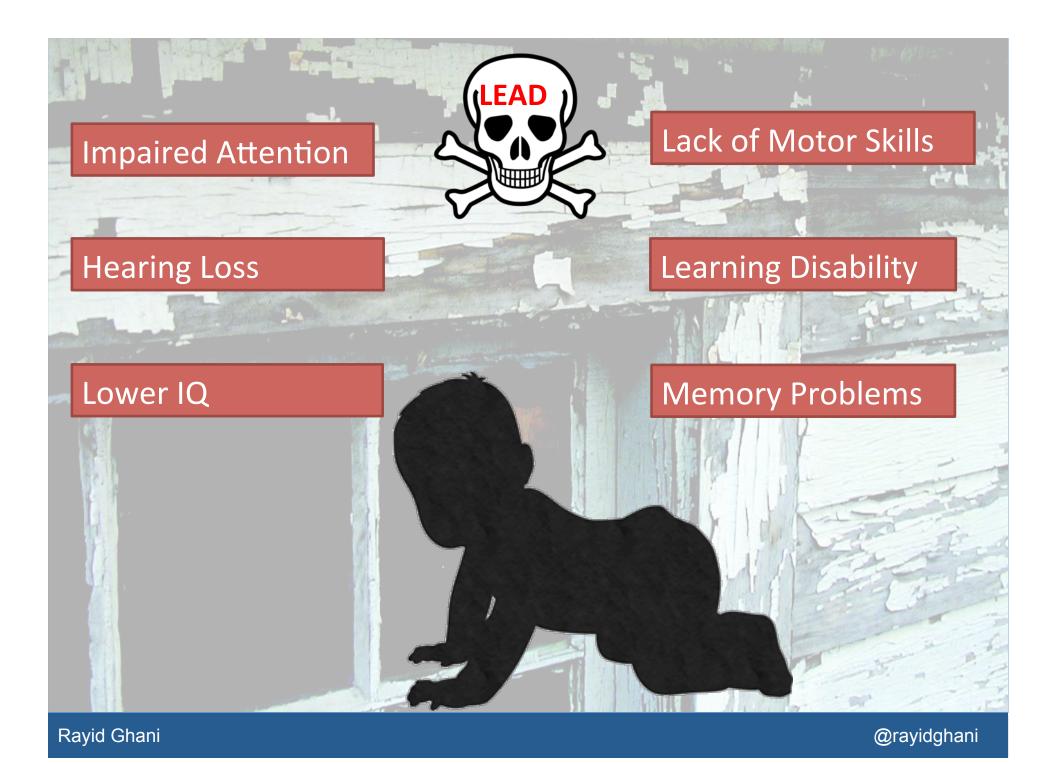
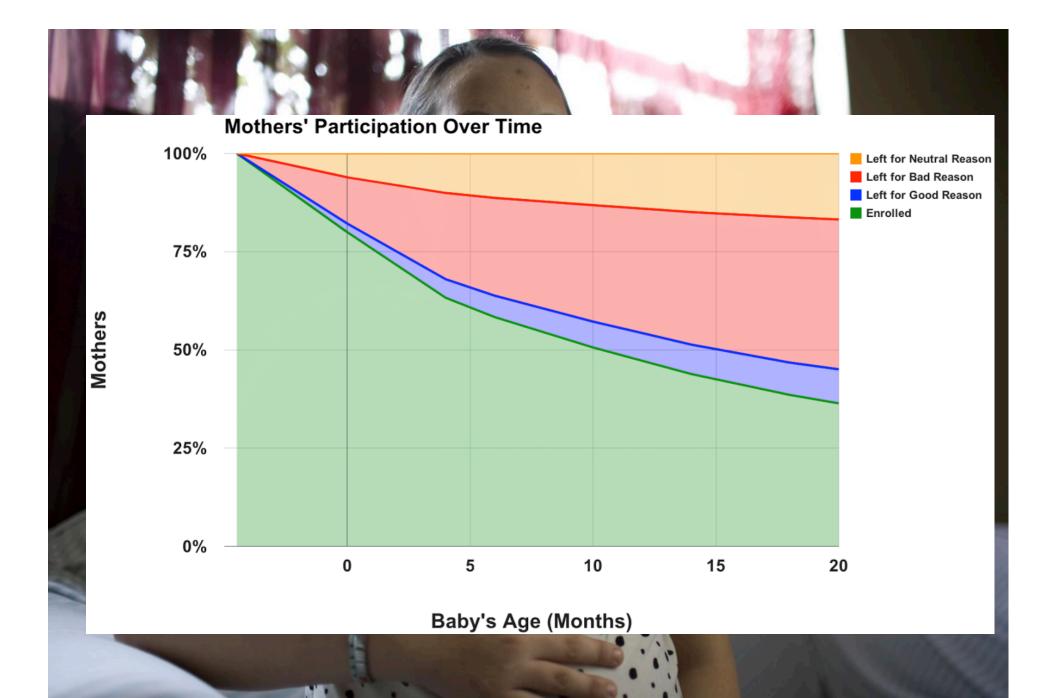
Using Data Science for Social Good

Rayid Ghani

Center for Data Science & Public Policy
University of Chicago







WHO IS DROPPING OUT?



EVERY YEAR, 1.3 MILLION STUDENTS DROP OUT OF SCHOOL.

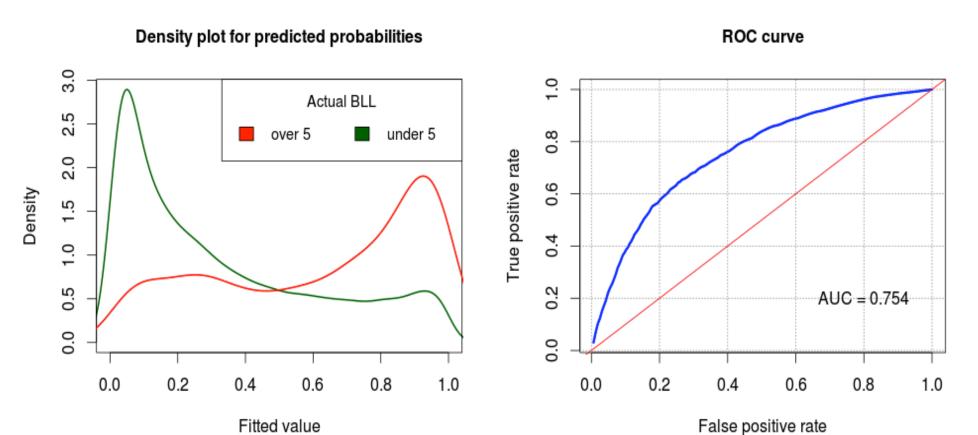
7,000 EVERY DAY OF SCHOOL



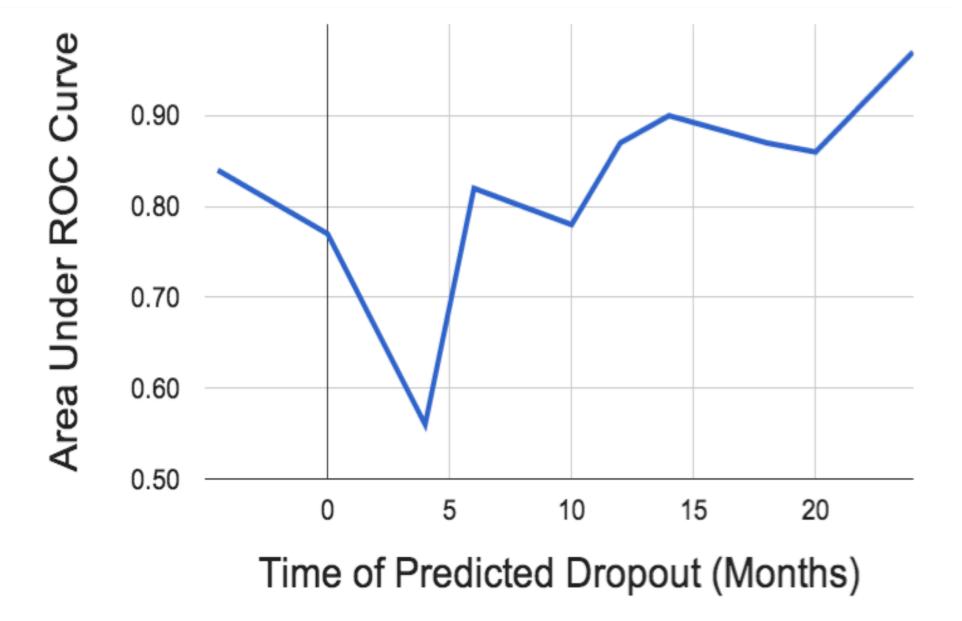
EVERY 26 SECONDS



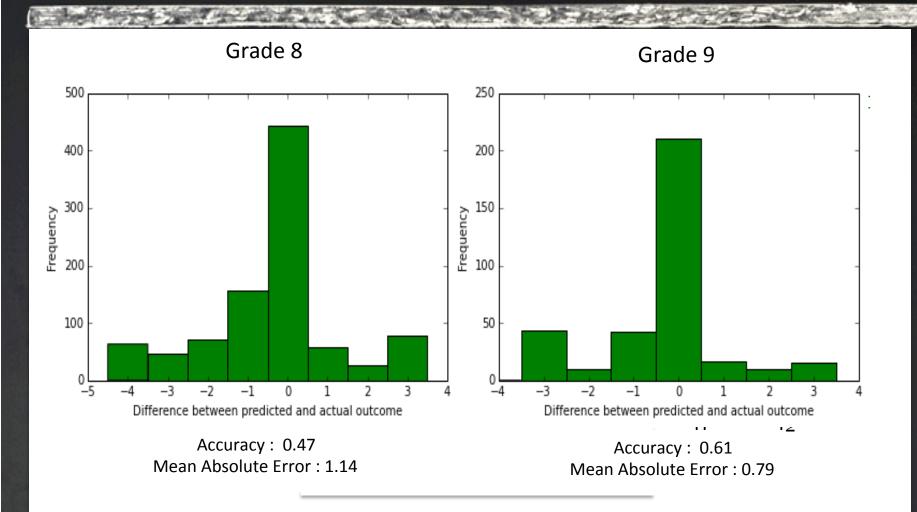




(Joe Brew, Alex Loewi, Subhabrata Majumdar, Andrew Reece, Eric Rozier)



(Sarah Abraham, Jeff Lockhart, Sarah Tan, Rafael Turner, Young-Jin Kim)



(Everaldo, Aguiar, Nasir Bhanpuri, Hima Lakarajju, David Miller, Ben Yuhas)







SECONDS





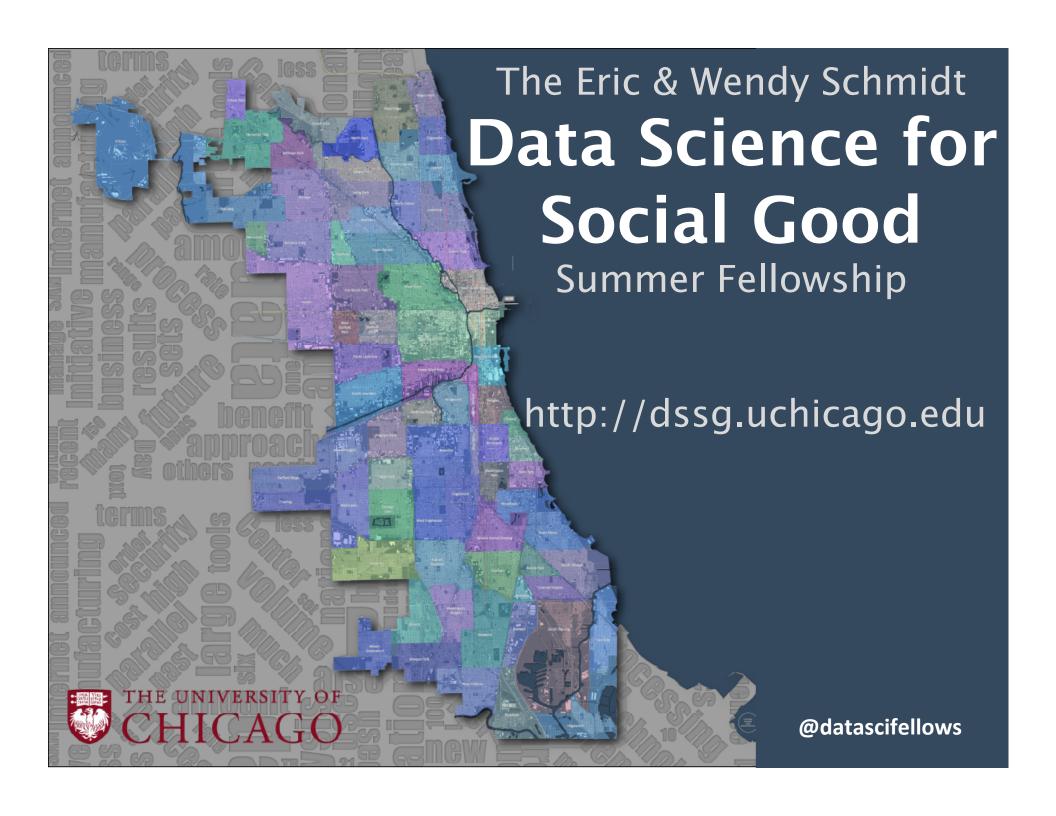
Education/Training



Collaborative Projects: Real Projects, Real Data, Real Partners



Reusable Software and Data



Goal of the Fellowship

 Train the next generation of data scientists who care about and understand how to solve social problems

 Expose and train governments and non profits to better use data to make better decisions

 Seed a community of people and organizations working together to make an impact

Fellowship by the Numbers

2013

2014

2015



36 Fellows

6 Mentors





12 Projects

12 Weeks





48 Fellows

8 Mentors



14 Projects

12 Weeks





42 Fellows

10 Mentors



12 Projects

14 Weeks



Fellows

~ 1800 Applicants 45 countries ~300 Universities

126 fellows

CMU

U. of Chicago

Northwestern

Harvard

MIT

Stanford

Princeton

ITAM

Cornell

Yale

Villanova

Ohio State

USC

U Penn

Notre Dame

U of Minnesota

U of Michigan

Cambridge

McGill

UC Berkeley

U of Colorado

Swarthmore

Oberlin

Computer Scientists

Statisticians

Social Scientists

Public Policy

(and other computational and quantitative fields)

UIUC

Emory

Duke

Fordham

Johns Hopkins

SAIC

NYU

Penn State

Simon Fraser

UC Santa

Barbara

Project Partners



































KIPP: New Jersey













AUSTRALIAN CONSERVATION FOUNDATION







EPIC



معهد قطر لبحوث الحوسبة Qatar Computing Research Institute

































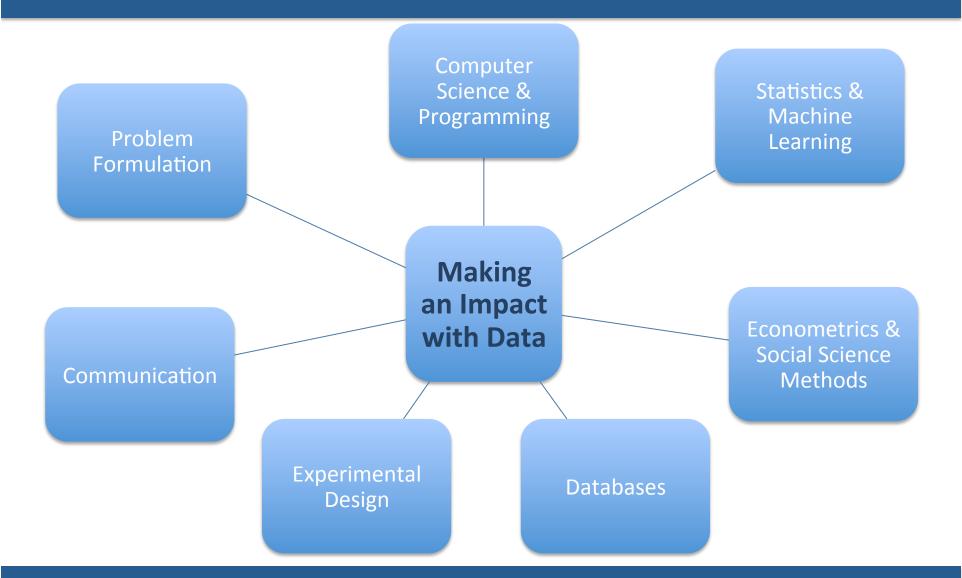






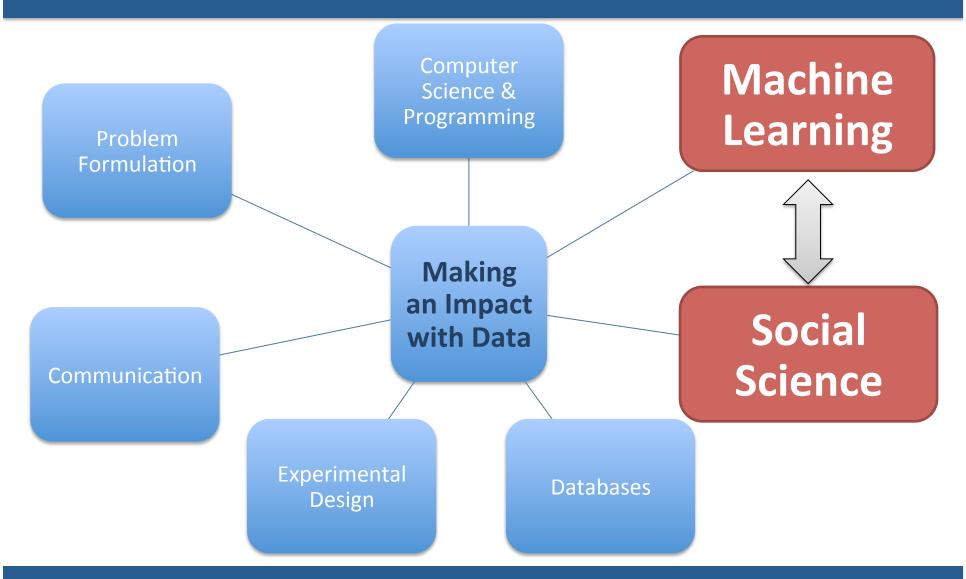


Creating Data Scientists who Care

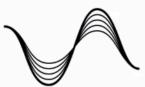


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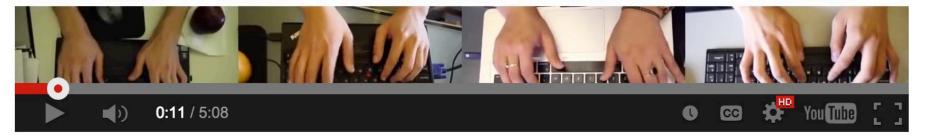
Critical Research Gaps







The Eric & Wendy Schmidt Data Science for Social Good Summer Fellowship 2013



How to get involved

Students => Data Science Fellows

Recent PhDs => Apply to be Post-docs

Practitioners in Industry => Apply to be Visiting Data

Scientists and/or Summer Mentors

Software Developers => Apply to be Data Engineers

Organizations with a problem and data => Apply to be a Project Partner

http://dssg.uchicago.edu

Contact Information

Rayid Ghani rayid@uchicago.edu

For more information on the Summer Fellowship http://dssg.uchicago.edu

For more information on the Center for Data Science & Public Policy

http://dspplab.com