

CPRC Data Science Mini Conference

Friday, March 30th

Columbia School of Social Work

1255 Amsterdam Avenue, New York, NY 10027

Room C05

The Columbia Population Research Center invites you to join in a mini-conference regarding the use of Data Science techniques and technologies in population research. The conference will cover presentations by Columbia faculty engaging in computational social science research. The conference will be divided into a discussion about the current state of Data Science and the Social Sciences, followed by individual project presentations by faculty members. These presenters will outline their work and how they have leveraged new computational resources.

Agenda

09:00 - 09:15 **Welcome and Introductions** (breakfast bar open)

09:15 - 10:30 **Leveraging Data Sciences in the Social Sciences**

[Jeanette Wing](#), Avanesians Director of the Data Science Institute (DSI) and Professor of Computer Science.

“Opening Remarks and introduction to DSI”

[Sid Dalal](#), Professor, School of Professional Studies

“Deep Analytics for Risk Analysis of Complex Systems: From Space Shuttle, Drug Safety, Dirty Bombs to Workplace Safety”

10:30 – 11:15 **Case Studies Panel 1**

[Courtney Cogburn](#), Assistant Professor of Social Work

“Exploring Applications of Data Science to Media-based Exposures to Police Violence and Health”

[Merlin Chowkwanyun](#), Donald H. Gemson Assistant Professor of Sociomedical Sciences

“Project ToxicDocs: Leveraging Technology to Explore 20 Million Pages of Once-Secret Documents on Industrial Poisons”

11:15 - 11:30 **Break**

11:30 – 12:15 **Case Studies Panel 2**

[Desmond Patton](#), Assistant Professor of Social Work

“Community-based Approaches to Detecting and Predicting Trauma and Violence in Chicago Using Social Media”

[Greg Eirich](#), Director of the Quantitative Methods in the Social Sciences Program

“Politics, Ideology and Choice of Words in America “

12:15 - 12:30 **Concluding Remarks**