Elizabeth Chin
PhD Candidate
Biomedical Data Science
Stanford University

DATA SCIENCE AND POLICY: ADDRESSING INEQUITY IN HEALTH

ABSTRACT
Advances in statistics, econometrics, and computer science have the potential to facilitate data-driven decision making in improving the health of populations. However, adapting modern data science methods to eliminate health disparities remains challenging because interventions based singularly on health data do not fully address health issues borne from structural, upstream inequities. A multi-level approach that integrates social and health data to characterize how specific social systems perpetuate health inequities provides opportunities to create more tailored health and social policies. I will discuss examples of addressing health inequity through data science in two contexts: (1) mass incarceration in relationship to public health policies, and (2) algorithmic fairness for structurally vulnerable populations in social policy. An underlying theme is the importance of statistical methodology and study design informed by a holistic understanding of the interplay between social and health systems.

MONDAY, FEBRUARY 14 2022
12:00pm, Online via Zoom
https://ucla.zoom.us/j/98667559876?pwd=QkNTWEI0aDlaak9RQ0RTc3JTdHdwz09
Meeting ID: 986 6755 9876    |    Password: 563773