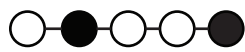


CHRISTOPHER ROWE



Oakland, California



RESEARCH & DATA PORTFOLIO

chrisrowe.com for research and other curiosities

github.com/christopher-rowe for select projects

TECHNICAL SKILLS

- **R**, **Python**, and **Stata** for data processing, exploration, and analysis.
- A wide array of **statistical and machine learning methods** in the context of **causal inference**, **modeling**, and **prediction**.

ONGOING RESEARCH

Leveraging large administrative data sources to evaluate the effects of policies. Conducting multiple studies using large ($n > 10M$) healthcare, mortality, and criminal justice data sources to evaluate the health effects of policies in the areas of treatment for opioid use disorder and crowding in prisons (publications in process).

Selecting ensemble base learners. Evaluating the finite sample predictive performance of different strategies for selecting and including models with tunable hyperparameters in a stacked ensemble machine learning estimator (code on GitHub).

RECENT PUBLICATIONS

Rowe C et al. Drug overdose mortality among residents of single room occupancy buildings in San Francisco, California, 2010-2017. *Drug and Alcohol Dependence*. 2019 Sep 21.

Rowe C et al. Nonfatal Assault Injury Trends in California, 2005 to 2015. *Journal of Interpersonal Violence*. 2019 Feb 28.

GRANTS

National Institutes of Health 2019-2020
Evaluating the effects of two federal policies on buprenorphine prescribing and opioid-related health outcomes; \$81,470.

SUMMARY

Quantitative researcher with seven years experience extracting useful information from data in pursuit of a healthier and more equitable society.

Seeking an opportunity to use data to identify important questions and obtain their answers; contribute to a mission that I can connect with; and collaborate with and learn from a team of people with diverse knowledge and skills.

WORK EXPERIENCE

San Francisco Department of Public Health 2014-present

Data Analyst

- Design and execute analyses investigating substance use and related harms; authored 27 peer-reviewed manuscripts.
- Work with diverse and complex data sources ranging from small ($n < 1k$) to large ($n > 1M$) in size.
- Obtain, organize, and process data to track trends in substance use indicators for the city of San Francisco; responsible for official reporting.
- Manage data for NIH-funded research studies with combined budget exceeding \$1M.

UC Berkeley 2017-2020

Graduate Student Researcher / Consultant

- Provided methodological and statistical guidance to staff from the Centers for Disease Control and Prevention.
- Designed and programmed key components of a simulation study assessing the performance of different analysis approaches when combining data from multiple distinct sources.

Accenture 2008-2010

Consultant

- Led design and testing efforts for development of business software applications for two Fortune 500 clients.
- Facilitated client meetings and coordinated work between several teams to design the functionality and user interface of a new insurance administration system.
- Developed strategy, workflow, and timelines and managed an offshore team of 20 staff to generate and execute thousands of test scripts.

EDUCATION

PhD in Epidemiology, UC Berkeley (exp. 12/2020)

MA in Biostatistics, UC Berkeley (exp. 12/2020)

BS in Microbiology, UCLA