




Aidan F. Mullan

Senior Biostatistician

 aidanmullan.com

 mullana2@berkeley.edu

 /in/aidan-mullan

Skills

Programming

TeX • R • SAS

BigQuery • SQL • MatLab • Python

SPSS • ApacheSpark • AWS

Project Work

- Coding with R, SAS, and Python
- Machine Learning and Deep Learning
- Time-to-Event and Competing Risks Analysis
- Data and Text Mining, Webscraping, Natural Language Processing
- Mixed Effects Models and Generalized Estimating Equations
- Non-Parametric Modeling and Hierarchical Modeling
- Experimental Design and Causal Inference

Certifications

UDEMY

- Machine Learning: Hands-On Python & R in Data Science

Education

2018 - 2019 **MA, Statistics** (GPA: 3.85/4.0) University of California, Berkeley

2014 - 2018 **BA, Mathematics and Psychology** (GPA: 3.78/4.0) Carleton College
Major with Distinction: Mathematics, Psychology

Research

2018 - 2019 **MA Candidate Thesis** University of California, Berkeley
Optimizing Cab Efficiency: Analysis of 1.5 Billion Taxi Trips in New York City

- Proposed a method of allocating taxi cabs based on spatial and temporal usage trends in New York City from 2016 to 2019.

Experience

Apr 2022 - Present **Senior Biostatistician** Mayo Clinic, Rochester

- Served as lead department biostatistician for the Department of Emergency Medicine
- Coauthored two R01 grants relating to kidney transplant; the Aging Kidney Anatomy (AKA) study and the Minnesota Attributable Risk of Kidney Donation (MARKD) study
- Designed study protocols and conducted power and sample size calculations for internal funding applications
- Constructed clinical risk stratification tools for use in the Emergency Department to improve patient care
- Mentored two physicians enrolled in Master's Degree programs as a member of their Thesis Advisory Committee
- Collaborated with external investigators from national and international institutions

Sep 2019 - Apr 2022 **Biostatistician** Mayo Clinic, Rochester

- Led analysis for grants in Cardiology, Emergency Medicine, Neurology, Nephrology, and Hepatology
- Met with investigators to develop research aims and structured analysis protocol
- Conducted background research into project-specific fields to better identify appropriate statistical methods and approaches
- Cleaned and consolidated provided data into manageable forms for analysis
- Worked both individually and in teams to develop proper methodology and analyze data
- Prepared research abstracts for submission to academic conferences
- Wrote and revised manuscripts for publication in peer-reviewed journals

Nov 2018 - Sep 2019 **Statistical Consultant for Biomedical Research** University of Iowa

- Met with clients to discuss experimental design, research goals, and question of interest
- Conducted background research into client's field to better understand the research and variables of interest
- Presented findings of analysis, both written and oral, to clients who may not have a strong statistical background
- Prepared written summary of findings for publication in academic, peer-reviewed journals