

Hayden Mountcastle, MPH

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EDUCATION

University of California – Los Angeles
Master's of Public Health – Epidemiology

Graduated: June. 2023

New York University – Abu Dhabi
Bachelor's of Science – Biology; Minor: Social Research and Public Policy

Graduated: May 2019

RELEVANT EXPERIENCE

Senior Data Analyst and Project Coordinator (Epidemiologist/Biostatistician)

Aug. 2023 – Present

Harvard T.H. Chan School of Public Health

- Manage technical biostatistics projects in epidemiology and genetics in East Africa, Mexico, and the US.
- Create dashboards in R and Tableau.
- Perform advanced regression analysis, hypothesis testing, and factor analysis.
- Innovate and manage data quality control algorithms on 5 ongoing mental health studies, over 40,000 participants, improving speed and accuracy by over 90%.
- Automate KPI reports on mental health diagnostics to monitor global study recruitment in Action.
- Create dashboards in R and Tableau for rapid data communication and analysis.
- Conduct fieldwork in rural Kenya and Uganda.
- Manage and mentor 3 junior data analysts on health data analysis, visualization, and dissemination.

Graduate Researcher

Aug. 2022 – June 2023

UCLA Center for HIV Identification, Prevention, and Treatment Services

- Facilitated data collection and analysis of 5000+ papers for a systemic review of global fentanyl mortality.
- Lead analysis on hospital outcomes and retention of opioid users experiencing homelessness in emergency departments in California.
- Communicated results and recommendations to medical stakeholders.

Consultant/ Data Analyst

Nov. 2021 – Jul. 2022

Everyday Impact Consulting; California Department of Public Health

- Lead qualitative interviews with cohorts of Asian American and Rural/Indigenous communities to understand economic reasons for lack of vaccine access.
- Collaborated with the CDPH to publish evidence-based action plans to improve vaccine uptake.
- Tailored outreach to community needs and presented findings to physicians and community members.
- Raised vaccine awareness by 20% through team efforts.
- Used pivot tables and XLOOKUP in Excel to create data presentations and summaries for stakeholders.

Research Assistant

Apr. 2019 – Nov. 2021

Columbia University

- Developed four peer-reviewed manuscripts addressing HIV/AIDS outcomes in minority men.
- Conducted data analysis in R and Excel on epidemiologic and social science data.
- Coordinated research and completed literature reviews.
- Published multiple peer-reviewed papers.

SKILLS

Software: Microsoft Office Suite, REDCap, Excel, R, SAS, Python, SQL, Qualtrics, Tableau, Endnote.

Language: English (Native), Spanish (Intermediate).