Hayden Mountcastle, MPH

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EDUCATION

University of California – Los Angeles   Graduated: June. 2023
Master's of Public Health – Epidemiology

New York University – Abu Dhabi   Graduated: May 2019
Bachelor's of Science – Biology; Minor: Social Research and Public Policy

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.
- Develop ETL data pipelines on health data in Python and SQL, saving over 50,000 USD in grants.
- Create dashboards in R and Tableau for rapid data communication and analysis.
- Conduct field work 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 on global fentanyl mortality.
- Lead analysis on hospital outcomes and retention opioid users in emergency departments.
- 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 VLOOKUP 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.
- Conducting analysis in R and Excel on epidemiologic data leading to publications.
- Coordinated research and completed literature reviews.

SKILLS

Software: Microsoft Office Suite, Excel, R, SAS, Python, SQL, Qualtrics, Tableau, Power BI, Endnote.
Language: English (Native), Spanish (Intermediate).