Melvin Coleman

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EDUCATION

Columbia University Mailman School of Public Health, New York, NY   **May 2023**
MPH in Epidemiology, Certificate in Applied Biostatistics & Public Health Data Science
Relevant Coursework: Epidemiology I-III, Applied Regression I & II, Data Science, Machine Learning, SQL

University of Minnesota Twin Cities, College of Liberal Arts, Minneapolis, MN   **August 2020**
BA in Biology, Society, and Environment, Minor in Public Health

TECHNICAL SKILLS

R, SAS, SQL, Statistical & data analysis (descriptive, predictive, explanatory), Data science pipeline (cleansing, wrangling, visualization, modeling, visualization, dashboards, shiny apps), Git & GitHub

PROFESSIONAL EXPERIENCE

International Center for AIDS Care and Treatment Programs (ICAP), New York,NY & Dar es Salaam, Tanzania
Data Assistant   Jun 2022 – present
- Conduct data and exploratory analyses using SAS to support the Population Based HIV Impact Assessment (PHIA) Project survey in Tanzania sampling more than 10,000 households and individuals aged 15+ years and older
- Provide clear visualizations, prepare reports and presentations, in collaboration with in-country partners and other stakeholders including the Centers for Disease Control & Prevention (CDC) to ensure accurate survey data collection

Intern
- Configured survey instruments (300 Samsung tablets & 16 laboratory laptops) with interview questionnaire in the Census and Survey Processing System (CSPro), maps in PHIA maps and lab inventory in Laboratory Database Management System (LDMS) and provided training to about 150 surveyors to conduct survey procedures
- Performed analyses in SAS & Excel to inform Tanzania HIV Impact Survey 2022-23 lab deployment plan highlighting the number of participants per day for 3 satellite labs in Tanzania and provided report with bar graph visualization

Minnesota Department of Health (MDH), Minneapolis, MN
Data Deduplication Lead   Jun 2020 – May 2022
- Supervised a team of 7 individuals, provided training and documentation for 50+ new hires on COVID-19 deduplications in the Minnesota Electronic Disease Surveillance Database ensuring data quality and validity
- Monitored 10+ deduplication workflows daily with over 10k records, updated staff deduplication schedule weekly and documentation ensuring staff are kept up to date with changes and deduplication procedures

Public Health Specialist
- Data entry of over 100+ records in the Minnesota Electronic Disease Surveillance System and assisted epidemiologists with outbreak-related investigations in various settings, including schools, childcare facilities, youth and sports camps, prisons, jails, shelters, group homes and workplaces
- Reviewed 500+ epidemiologic data including medical records and laboratory data and communicated regularly with Minnesota Department of Education, Local Public Health and regional support teams

Specialized Covid-19 Case Investigator & Contact Tracer
- Used a web-based client resource management (CRM) platform to contact 25+individuals daily who had positive COVID-19 test results for contact tracing and discussed the implications of positive diagnoses; successfully interviewed an average of 11+ individuals daily and entered data into the Minnesota Electronic Disease Surveillance System database for analysis
- Collaborated with a team of 100+ case investigators and state and local public health staff to identify and contact individuals who encountered high risk or infected COVID-19 individuals