

Rophence Ojiambo

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EDUCATION

New York University, School of Global Public Health, New York, NY
PhD in Public Health, Biostatistics concentration

Expected May 2029

Brown University, School of Public Health, Providence, RI
Master of Science in Biostatistics

May 2023

Thesis Title: Generalizing Cluster Randomized Control Trial Results to a Target Population

Relevant Coursework: Introduction to Methods in Epidemiologic Research, Statistical Inference, Causal Inference & Missing Data, Machine Learning and Big Data, Longitudinal, Multilevel & Survival Analysis

Moi University, Eldoret, Kenya

Dec 2020

Bachelor of Science in Applied Statistics with Computing, First- Class Honors Distinction

Relevant Coursework: Basic Calculus, Linear Algebra I & II, Applied Regression Analysis I & II, Design and Analysis of Experiments, Survival Models and Analysis, Applied Multivariate Analysis, Probability I & II

RESEARCH EXPERIENCE

Statistical Consulting and Independent Research

August 2024 – Present

New York University, New York, NY, USA

- Developed a statistical analysis plan for analyzing survey data on HPV vaccine uptake in Kenya.
- Conducted a systematic review on the application of joint modeling techniques for cardiovascular research.
- Reviewed literature and analyzed NHANES 2021-2023 for an epidemiologic study examining the relationship between sleep duration and depression prevalence among U.S. adults.

Biostatistician & Monitoring and Evaluation Officer

Oct 2023 – Aug 2024

AMPATH Consortium, Eldoret, Kenya

- Provided statistical support for clinical research on multiple myeloma, including data quality control on Research Electronic Data Capture (REDCap), and analysis using R.
- Co-authored grant proposals and frameworks for monitoring/evaluation, ensuring alignment with ethical and reproducibility standards.

D43 Trainee/Graduate Research Fellow

Aug 2021 – May 2023

Brown University, Providence, RI, USA

- Conducted statistical analysis for course projects.
- Presented project findings in public health forums and departmental journal clubs.

TECHNICAL SKILLS

- **Statistical Methods:** Survival/Categorical/Longitudinal/Multilevel Analysis, Causal Inference.
- **Software:** R, Stata (Intermediate), Statistical Package for the Social Sciences (SPSS).
- **Data Science:** Machine Learning, Feature Selection, Data Wrangling, Reproducible Research (RMarkdown, Git)
- **Communication:** Data Visualization (ggplot2, Shinyapp (Beginner)), Scientific Reporting, Team Collaboration

TRAININGS AND CERTIFICATIONS

- **Biomedical Research**, The Collaborative Institutional Training Initiative (CITI Program, New York University, 2025).
- **Good Clinical Practice – Social and Behavioral Research Best Practices for Clinical Research** | CITI Program (New York University, 2025).
- **Principles of HIV/STI Research and Public Health Practice** | (University of Washington, 2022).
- **Responsible Conduct of Research**, | CITI Program (Brown University, 2022).
- **Verified Certificate for Data Science: Productivity Tools**, HarvardX (2022).