

Steven Lawrence

Biostatistician / Data Scientist — Real-World Evidence & Health Equity

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Summary

Biostatistician and data scientist delivering applied statistical work for clinical, observational, and Real-World Evidence studies across NYC health systems, nonprofits, and industry partners. Known for owning end-to-end analyses and translating results into decision-ready summaries for clinical and program stakeholders. Biostatistics PhD candidate at New York University (expected May 2026); published in *AIDS Care*, *JAMA Network Open*, *Autonomic Neuroscience*, and *Journal of Statistics Education*.

Consulting & Applied Research Experience

New York University Vilcek School of Biomedical Sciences

2021–Present

Biostatistician / Applied Research

- Built Bayesian Hierarchical spatial models measuring pharmacy access patterns in NYC neighborhoods, worked collaboratively with clinical partners to develop a novel measure of healthcare access disparities.
- Designed and analyzed interrater reliability studies.
- Developed HIPAA-compliant GIS workflows to quantify pharmacy access for patients population in large health systems.

Icahn School of Medicine at Mount Sinai

2018–Present

Applied Biostatistician / Data Scientist (Part-Time)

- Worked collaboratively with clinical partners as a graduate research assistant and consultant to support quality improvement and equity initiatives with Center for Scientific Workforce Excellence and Advancement (CSWEA), PAIRED Lab, and Quality Improvement consulting in the OB/GYN department.
- Owned analyses and stakeholder-facing reporting across equity-focused workforce and clinical initiatives, including enrollment, climate metrics, and supporting foundation grant narratives.
- Developed and maintained texttidyRHRV (CRAN) and delivered reproducible analyses for HRV and autonomic function studies; contributed methods, interpretation, and visuals to manuscripts and leadership presentations.

Graham Windham

2023–2025

Data Science Consultant (Consulting): Developed and refined leadership dashboards supporting equitable workforce environments and utilized predictive modeling to inform foster care student outcome monitoring.

Memorial Sloan Kettering Cancer Center

Summer 2025

Project Manager, B2BSP Program (Project-Based): Coordinated cross-functional execution and analytic deliverables.

Hampton University

Summer 2024

R Workshop Instructor (Project-Based): Delivered an introductory R workshop covering data wrangling and visualization.

Nationwide Financial Services

Summer 2021

Data Science Intern: Evaluated and communicated bias in machine learning models, including vendor risk score assessment.

University of Alabama Birmingham

Fall 2021

Biostatistical Consultation Service (Consulting): Merged and cleaned NIS datasets and advised on survey-weighted analyses.

Education

PhD in Biostatistics (in progress) (expected May 2026), New York University • **MS in Biostatistics** (2021), Columbia University • **BS in Biology (Mathematics Minor)** (2019), CUNY Medgar Evers College

More information on publications and work experience can be found on my website steven-lr.github.io.