Eric J. Cavanna

Boston MA | ecavanna@outlook.com | 845-399-5543

EDUCATION

Boston University, School of Public Health — August 2023
Master of Science, Applied Biostatistics

University at Albany, SUNY — December 2020
Bachelor of Science, Biology and Mathematics
Presidential and Ben V Smith Science Scholar, member of Honors College

SKILLS:

- Skilled in collecting, wrangling and visualization data
- Data cleansing, analysis and Presentation: SQL, Excel VBA, SAS, Bash, and R, R Shiny
- Experienced with tools including: Shiny, Caret, Plotly, Ggplot2, RMarkdown, Excel
- Project management and teamwork
- Analytical problem solving
- Verbal and written communication
- Data driven hypothesis testing and decision making

PUBLICATIONS: Rethinking Vulnerability: Using Factor Analysis to Assess Census Tract-Level Vulnerability April 2025
Public Health Reports DOI:10.1177/00333549251313986

EXPERIENCE:

Senior Manager, Data Science — May 2025-Present
Scholar Rock

- Develop and maintain advanced and adaptive data visualization tools
- Ensure the highest level of accuracy and consistency and make sure they are aligned with all clinical and regulatory standards
- Collaborated across teams to integrate tools to improve their data insights and increase innovation

Clinical Data Scientist — April 2024-Febuary 2025
Essa Pharmaceuticals

- Collaborate with cross-functional teams to drive data-driven insights and advance cancer research
- Developed and deployed several web apps using Shiny R for data exploration and board decisions
- Implement bioinformatic algorithms and completed analysis and drove clinical decision-making
- Maintained security and data integrity on databases including AWS and Posit instances

Consulting Biostatistics Researcher — December 2022-April 2024
Researcher

- Managed deliverables and multiple timelines simultaneously
- Collaborated to establish best method of identifying communities in need from data
- Developed data cleaning, TLFs and large data manipulation using R and SAS
- Presented results and influence the direction of research based on analytical findings
- Wrote and updated SAPs for multiple studies for document alignment and robust analysis

Pfizer — June 2023-August 2023
Intern, Statistical Data Sciences & Analysis Group

- Developed CDISC compliant datasets, listings and figures in both SAS and R
- Designed and ran quality control for accuracy and integrity on these deliverables
- Collaborated with a team to develop R shiny apps for interactive data presentation

Regeneron Pharmaceuticals — November 2021-August 2022
Bioassay QC Analyst I

- Conducted inhibition bioassays for finished product and development testing
- Built and implemented a scheduling tool that allowed management to track the scheduling and workload of each employee, and the tests that needed to be completed
- Identified and implemented change controls to improve the process
- Maintained strong understanding of GMP and GxP standards in order to ensure compliance across all activities