Breanna Brown

Seattle, WA | (810) 772-6635

bbrown34@uw.edu

linkedin.com/in/breannabrown6101

github.com/brebrown6101

Summary of Qualifications

A highly productive and detail-oriented individual currently pursuing a Master of Science in Biostatistics at the University of Washington. Demonstrated ability to collect, analyze, and present complex data findings, particularly in health and community-focused projects. Strongly committed to using statistical analysis to improve community well-being and program development. Proficient in statistical computing and data analysis with hands-on experience in RStudio and Excel.

Education

University of Washington - Seattle, WA

Master of Science, Biostatistics   *September 2024 to March 2026 (expected)*

Coursework: Biostatistics I/II, Design of Medical Studies, Survival Data Analysis in Epidemiology, Longitudinal and Multilevel Data Analysis, Biomedical Data Science, Statistical Methods for Spatial Epidemiology*)*

Wayne State University - Detroit, MI

Bachelor of Science, Mathematics   *August 2019 – May 2023*

Coursework: Statistical Computing and Data Analysis (R), Introduction to Mathematical Statistics, Algebra I, Mathematical Models in Operations Research, Linear Algebra, Differential Equations, Introduction to Probability Theory, Multivariable Calculus

Certifications: Mental Health First Aid, CPR, HIPAA Compliance

Experience

Overdose Surveillance Data Intern   Seattle King County Public Health
June 2025 – Sept 2025   Seattle, MI

- Developed a machine learning model to classify 2000+ overdose deaths recorded by the King County Medical Examiner's Office by location type, enabling the prevention team to allocate resources and services more effectively
- Researched classification and text embedding techniques in machine learning and presented recommendations to the team to inform model development strategy

Data Analyst   Detroit Recovery Project
May 2023 – August 2024   Detroit, MI

Primary data analyst at this non-profit focused on prevention and recovery services for substance use disorder

- Created and presented Power BI visualizations of annual data for 8+ programs, delivering insights at all-staff meetings to drive organizational understanding and decision-making
- Organized and summarized program data using Microsoft Applications for use by leadership in grant writing and monthly reporting
- Developed three organization annual reports that were distributed to community stakeholders, showcasing program impact and outcomes
- Conducted analysis of patient authorizations from the Certified Community Behavioral Health Clinic in Excel and R to ensure accuracy and compliance by clinical staff
- Conducted 140+ surveys with community members to assess local needs; created a detailed needs assessment report which was presented to community leaders to guide future initiatives
- Collaborated in writing two white papers on syringe service programs, focusing on overdose prevention and communicable disease prevention

Skills

Technical
- Languages: R, Python, JavaScript, C/C++, VBA
- Tools & Frameworks: Excel, RStudio, Power BI, Access, SQL, VSCode, NextGen EHR

Interpersonal
- Teaching and Mentorship
- Public Speaking
- Scientific Communication