Katherine McFarlane

Seattle, WA | (541) 637-7432 | knmcfar@uw.edu | LinkedIn

Well-rounded MS Biostatistics candidate with communication and leadership expertise. Seeking to use mathematical experience and commitment to equity to strengthen public health analysis skills.

Education

MASTER OF SCIENCE | UNIVERSITY OF WASHINGTON | SEATTLE, WA | EXPECTED MARCH 2023

- Biostatistics, emphasis on data science (3.88 GPA)
- Key courses: Statistical Inference in Biometry I/II, Longitudinal and Multilevel Data Analysis
- Key project: Performed data cleaning and longitudinal analysis using a generalized linear mixed model on HIV-positive patient data in R

BACHELOR OF ARTS | LEWIS & CLARK COLLEGE | PORTLAND, OR | MAY 2019

- Degrees in Mathematics and English, cum laude (3.76 GPA)
- Relevant courses: Probability and Statistics I/II, Numerical Analysis, Linear Algebra
- Key project: Organized data collection and analysis of New Zealand water quality using ANOVA testing in R and Excel

Work Experience

EVALUATION & ANALYTICS INTERN | OCHIN | PORTLAND, OR | JUNE 2022 – PRESENT

- Key project: Analyze monkeypox vaccine counts within OCHIN organizations as compared to country-wide counts by employing risk ratios in R and Excel to determine underserved demographics
- Develop beginner-level R and R Studio curriculum with a focus on data analysis and visualization

COUNTRY PEOPLE TEAMS INTERN | MERCY CORPS | PORTLAND, OR | JUNE 2019 – DEC 2019

- Key project: Collected, analyzed, and summarized HR efficiency data using qualitative coding in Excel
- Co-authored HR policy manual, which increased mandatory course completion by 20%

ONBOARDING COMMUNICATION INTERN | MERCY CORPS | PORTLAND, OR | JUNE 2018 – AUG 2018

- Key project: Assessed usefulness of HR data tools through quantitative and qualitative data collection, analysis, and presentation of findings to leadership
- Launched and maintained a wiki that gathered together all relevant HR resources using PHP and HTML

Organizations

- Equity, Diversity, and Inclusion Committee, Student Representative | Sept 2021 – Present
- Pi Mu Epsilon (National Mathematical Sciences Honor Society), Member | May 2019 – Present
- Biostatistics Department, Student Representative | Sept 2021 – Sept 2022

Skills

- Mathematical: data collection and cleaning, regression analysis, linear algebra, multivariate calculus
- Technical: Microsoft Office, C, HTML, Java, JavaScript, PHP, R, SQL, Tableau, quality assurance
- Communication: Excellent writing, presentation, and collaborative skills
- Management: Leadership/project management experience, workshop facilitation, time management