Edward B. Quinn, Ph.D., MPH, MA

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SUMMARY

- Ability to build solutions proactively with Python and R as evidenced by the automation of 8 manual processes.
- Versatile data scientist experienced in presenting statistical analyses resulting in 15 presentations for organizational leadership.
- Collaborator with an ability to draw insights from large datasets resulting in the completion of 4 multi-year research projects.

SKILLS

Statistical Analysis & Data Visualization
- High-level statistical skills with expertise in quantitative statistical software packages, including R and Python, resulting in more than 300 graphs, tables, and dashboards.

Data Management
- Data management skills with expertise in data collection and database maintenance as demonstrated by the organization of over 400,000,000 data points.

Communicating Data Insights
- Scientific and technical writing expert with the ability to create robust data analysis plans as evidenced by publication of 8 research articles.

EDUCATION

Doctorate in Biological Anthropology
University of Florida; December 2022

Master of Public Health in Epidemiology
University of Florida; December 2021

Master of Arts in Medical Anthropology
University of Alabama; May 2016

Bachelor of Science in Biology
University of Wisconsin; May 2011

EXPERIENCE

Compliance and Data Officer – Baltimore City Department of Social Services
March 2024 – April 2025
- Strategic planner with an ability to develop novel processes to improve productivity as evidenced by the automation of 8 workflows.
- Leveraged project management expertise to develop and implement automated scripts, accelerating delivery of mission-critical data from 12 PM to 8 AM—improving operational efficiency by 4 hours daily.

Senior Data Analyst – Baltimore City Department of Social Services
March 2023 – March 2024
- Guided organizational leadership in the use of data analytics to enhance customer experience resulting in multiple organizational changes.
- Analysis expertise in the assessment of program and customer data, identification of trends, and presentation of data as evidenced by the production of 4 monthly dashboards.

Post-Doctoral Associate – University of Florida
January 2023 – March 2023
- Ability to work collaboratively with a global team to design and conduct research on the effects of trauma across generations resulting in more than 100 statistical models and graphs.

Data Analyst – Department of Veterans Affairs
June 2021 – January 2023
- Statistical analysis of a randomized controlled trial using longitudinal statistical models and R programming to write over 1000 lines of code to clean, analyze, and visualize data.

Graduate Research Assistant – University of Florida
August 2018 – December 2022
- Management of over 400,000,000 data points using the statistical programming language R, Microsoft Office, and Google Suite. Supervision of the work activities of 4 research assistants. Deliverables include over 100 tables and graphs.

Assistant Research Specialist - Morgridge Institute for Research
September 2016 – June 2018
- Data analysis using Microsoft Excel and Google Sheets in the development of a model organism to study stem cells resulting in 2 conference presentations and 1 published research article.