

Manuel Hurtado Jr., B.A.

Research Data Analyst Associate | Artificial Intelligence Data Science student

(414) 378-9867 | manuel.jr1@northwestern.edu | github.com/mhi573

Professional Summary

I am a diligent and dedicated research data analyst associate with 5+ years of experience in clinical trial data management and statistical analysis, eHealth product management, and recruitment and retention. I also consult and collaborate with cross-functional team scientists across multiple products and projects.

Areas of Expertise and Key Skills

- | | | |
|-------------------------------|-------------------------------|--|
| ✓ Statistical Modeling | ✓ Technical, Academic Writing | ✓ Python:
VS Code, Jupyter Notebook |
| ✓ Natural Language Processing | ✓ Data Visualizations | ✓ R: RStudio |
| ✓ Data Analysis | ✓ HTML and CSS | ✓ SPSS Statistics |

PROFESSIONAL EXPERIENCE

Research Data Analyst Associate, Northwestern Feinberg School of Medicine | Sept. '24 – Present
Serve as the statistical analyst and data manager for a nationwide clinical trial. Programmed the database and data infrastructure to support the development and implementation of a federally funded technology-based eHealth project.

- Programmed complex, longitudinal survey measures, and automated data processes using R and SPSS.
- Developed the clinical trial's living-documents including multiple data protocols and one statistical analysis plan, and one best practices document for the data management and analytic core team.
- Performed regular quality assurance on incoming quantitative and qualitative data; Ensured data security and confidentiality.
- Prepared data visualizations to identify recruitment, enrollment, and retention bottlenecks.
- Co-authored four published research manuscripts and contributed as the statistician, which included conducting advanced statistical modeling or NLP, and writing the method/results section, and tables.

Data Analyst, Northwestern FSM | Oct. '22 – Sept. '24

- Co-authored three published research manuscripts and contributing to the statistical work and writing.
- Developed and implemented a qualitative interview guide for exit-type focus groups with participants.
- Created and disseminated infographic newsletters and social media posts of preliminary findings to participants and stakeholders.
- Conducted literature reviews to develop two best practices document for recruitment and retention, and bot prevention and fraudulent responses prevention.
- Analyzed and presented preliminary data insights to senior leadership and senior researchers that led to a better understanding of the success of a clinical trial.

Education

Master of Science, Data Science with a Specialization in Artificial Intelligence (3.74 GPA)

Part-Time Student | Northwestern University

Relevant Coursework:

Math for Modelers, Python for Data Science, Applied Statistics with R, Practical Machine Learning, Natural Language Processing, Decision Analytics, Financial Machine Learning

Google Data Analytics Certificate Courses (completed half prior to starting a M.S. in Data Science)
Coursera

Bachelor of Arts, Psychology with an Emphasis in Neuroscience
Marquette University