John Lorenzo

Data Analyst

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JohnLorenzo.dev

Experience

Clinical Data Analyst
Medpace| Cincinnati, OH | August 2022 – August 2024
- Designed and maintained Spotfire dashboards to monitor patient safety and site performance across multiple clinical trials
- Translated clinical trial protocols, CRFs, and related study documents into data visualization specifications
- Produced biweekly/monthly safety reports used by medical teams and sponsors to evaluate investigational product effects and guide trial decisions
- Automated ad hoc analyses using Python, including a lab cross-table tool that generates patient-level Excel reports with flagged abnormalities
- Built clinical statistical monitoring dashboards to identify underperforming sites, protocol deviations, and trial inefficiencies

Education

B.S. in Computer Science, Minor in Data Science
Northern Kentucky University | August 2018 – May 2021
- Graduated magna cum laude with a GPA of 3.78
- President's Honors List (2 semesters) and Dean's List (2 semesters)
- Relevant coursework: Data Analytics, Data Mining, Artificial Intelligence

Projects

Lottery Scratch-Off Analyzer (R Shiny Web App) – *https://john-lorenzo.shinyapps.io/lotto-luck/*
- Designed and automated a daily data pipeline (Python web scraping + PHP REST API) to track Ohio and Kentucky lottery scratch-off tickets
- Developed an interactive R Shiny dashboard enabling users to analyze prize pool trends, expected value, and optimal purchasing strategies in real time

Clinical Safety Dashboard (R Shiny Web App) – *https://bit.ly/ClinicalSafetyDashboard*
- Visualized key patient safety metrics with interactive filters for drill-down analysis
- Demonstrated ability to translate complex healthcare data into actionable insights for non-technical dashboard users

Skills

Programming: Python, R, SQL, SAS, Java
Visualization/BI: Spotfire, Shiny (R), Tableau, Power BI
Other Tools: Microsoft Office Suite, Git