

[QuartzBio]



QuartzBio, a subsidiary of the Precision for Medicine group, is a multi-omics data integration and interrogation platform intended to analyze biomarkers data. The company's platform provides various services like comprehensive biological insights, cross-study profiling & interrogation, data-informed trial decisions, data management, and systems integration, enabling clients to better manage and analyze biological data.

Project Description

This project has two components:

1. Automation of reporting packages that are largely manual – *Business Intelligence and Machine Learning*

Support QuartzBio's creation of data visualization tools and dashboards using existing, defined metrics. Given a database of reports (stored in Excel and PPT), the goal is to develop clear, insightful, and actionable data visualization dashboards for Quartz to leverage in their other business workflows.

2. Automations for end of month financial rollover, currently largely manual – *Data Analytics*

Each month, Quartz has ~80-100 Excel files (one per contract) that they need to port to Infor, an ERP tool. The goal is to develop automations for analyzing Excel data and porting it to Infor, as well as provide recommendations for managing the parallel process of having to update Excel files and have such changes reflected in Infor.

After completion of the technical aspects of the project, Quartz also hopes to receive HDAG's recommendations for operational analytics and other efficiencies based on the data we generate – *Data Analytics and Consulting*.

Internal Partners: Executive Director, Operations

Datasets: Internal QuartzBio data

Coding Languages: Excel, Python

Specific Skills

1. Data visualization
2. Excel analysis
3. Web scraping

Expected Technical Difficulty: **Medium**