**Srock Market Analysis**

**Data Pipeline and Analysis:**

* **Data Extraction:** Extracted historical stock price data from Yahoo Finance
* **Data Loading:** Loaded the extracted data into a PostgreSQL database for efficient storage and retrieval.
* **Data Transformation and Cleaning Using R:** Cleaned and preprocessed the data to ensure accuracy and consistency.
* **Exported data:** exported the clean data to a temporary file on my computer in csv format
* **Data Analysis:** Performed various statistical analyses, including calculating daily and monthly returns, and performed Markowitz Portfolio Optimization using portfolio analytics and Performance Analytics.
* **Report Generation:** Generated a CSV file containing the analysis results for further exploration and visualization.

**Key Technologies:**

* **R:** Used for data manipulation, analysis, and visualization.
* **PostgreSQL:** Used as a data warehouse for efficient storage and retrieval.

Skills

SQL, ETL, Data Pipeline, Data Cleaning, Financial analysis, Optimization, Data Visualization, Statistics