

The four visualizations were created by first executing SQL queries to retrieve specific financial data from the database. Each query targeted distinct financial metrics and conditions, such as high cash-to-debt ratios or low liquidity with high inventory turnover, from relevant tables. After retrieving the data, it was converted into Pandas DataFrames for easy manipulation and analysis. Subsequently, matplotlib, a Python plotting library, was utilized to generate the visualizations. Bar charts were employed to depict the relationships between symbols and their respective financial metrics, with each bar representing a symbol and the height or length of the bar representing the corresponding metric value. The visualizations provided insights into the financial performance and characteristics of different symbols, aiding in decision-making processes and strategic planning.