Core Libraries for Data Handling and Analysis

- Pandas: A Core Libraries for Data Handling and Analysis
- Pandas: A powerful library for data manipulation and analysis. It provides data structures like DataFrames, which are perfect for working with the structured financial data in this project.
- **Pandas-datareader:** An extension of Pandas that allows us to easily pull financial data directly from the web, such as stock prices and historical data from sources like Yahoo Finance.
- **yfinance:** An alternative to pandas-datareader for fetching financial data, which is often more reliable and easier to use.

Numerical Operations

• **NumPy:** The fundamental package for scientific computing in Python. It's used for efficient numerical operations and array manipulation.

• Visualization Libraries

- **Seaborn:** A data visualization library based on Matplotlib that provides a high-level interface for creating attractive and informative statistical graphics.
- **Matplotlib:** The foundational plotting library for Python. It provides the low-level tools needed to create a wide variety of static, animated, and interactive visualizations.
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