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## **Preparing the Data for Stock Market Analysis - Data Cleaning and Preprocessing**

In this notebook, I performed data cleaning and preprocessing on a dataset of stock market data. The goal of this step was to prepare the data for further analysis and visualization.

### **Tools and Libraries used:**

- pandas
- seaborn
- matplotlib
- numpy
- sklearn (LocalOutlierFactor)
- scipy (Mahalanobis, cov)

### **Key Steps:**

- Importing necessary libraries
- Loading dataset into a pandas DataFrame
- Handling outliers using z-score normalization
- Imputing missing values
- Removing unnecessary columns
- Renaming columns

### **Models used:**

- LocalOutlierFactor (for handling outliers)