**Dataset Source**

The dataset used for this project can be accessed from the following link on Kaggle:

**Dataset Link**: [Microsoft Lifetime Stocks Dataset](https://www.kaggle.com/datasets/prasoonkottarathil/microsoft-lifetime-stocks-dataset)

**Brief Description**

The dataset contains historical stock data for Microsoft (MSFT) and provides valuable information for our stock price prediction project. Here's a brief description of the dataset:

* **Stock**: Microsoft (MSFT)
* **Data Coverage**: The dataset covers a significant period of time, capturing the historical stock performance of Microsoft over several years.

**Dataset Features**:

1. **Date**: The date of each data point, which serves as the temporal index for the dataset.
2. **Open**: The opening price of MSFT stock on a given date.
3. **Close**: The closing price of MSFT stock on a given date, which is often used as the target variable in stock price prediction.
4. **Volume**: The trading volume of MSFT stock on a given date, representing the number of shares traded.

The dataset provides the necessary historical data for building and evaluating the stock price prediction model for Microsoft. It is a valuable resource for financial data analysis and modeling.