**STOCK DATA ANALYSIS AND INSIGHTS**

**1. Data Overview :-**

**• The stock data covers a very long period: from January 2, 1962, to January 30, 2025.**

**• The dataset includes important stock market information such as Open, High, Low, Close prices, Adjusted Close price, and Trading Volume for each trading day.**

**• Additional columns like Year, Month, Quarter, and Day Name help in analyzing trends over time.**

**2. Stock Price Trends:-**

**• Average Stock Price (Closing Price): 1,494**

**• Minimum Stock Price: 15.77(historical low)**

**• Maximum Stock Price: 6,059.83 (historical high)**

**• The stock price has grown significantly over time.**

**• In the early years, the stock was trading below RS 83, but in recent years, it has. Crossed Rs 5,810**

**• The high standard deviation (~1,599) means the stock has seen large price fluctuations.**

**3. Trading Volume Trends:-**

**• Average daily trading volume: 9.3 million shares**

**• Lowest daily volume: 76,800 shares**

**• Highest daily volume: 124.17 million shares**

**• Higher trading volume days indicate that certain events (like company announcements or market trends) cause spikes in investor activity.**

**4. Stock Volatility:-**

**• The stock price has large ups and downs, meaning it is volatile.**

**• This volatility means the stock can have big price swings, which can be risky for investors.**

**• Investors need to be cautious, as the price can rise or fall significantly in a short period.**

**Recommendations:-**

**1. Be Cautious of Volatility:-**

**• Since the stock has big price swings, it is important to set a stop-loss (a price at which you sell to prevent big losses).**

**• Investors should be ready for short-term fluctuations and focus on long-term trends.**

**2. Watch for High Trading Volume Days:-**

**• Days with high trading volume often indicate big events, like company earnings announcements, mergers, or major market movements.**