



Stock Market Analysis

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Overview

- ❖ Conducted a comprehensive analysis of the one-year stock market performance of 'Karur Vysya Bank' (KVB) using **Excel**. This analysis included an examination of key financial indicators, price trends, and trading volumes to gain insights into KVB's stock performance.
- ❖ Additionally, conducted a comparative analysis by juxtaposing KVB's stock prices and performance metrics with those of 'State Bank of India' (SBI), a prominent player in the Indian banking sector. This comparison aimed to highlight differences and similarities in the stock market performance of these two banks over the same one-year period.

Source Of Data

- ❖ The data for this analysis was downloaded from the [Yahoo Finance](#) website.
- ❖ I have utilized the stock market data for 'Karur Vysya Bank' (KVB) and 'State Bank of India' (SBI) for the past year as my primary sources of information.

Details Of Dataset

The dataset consisted of the following columns:

- ❖ Date : This column represents the date for each data point.
- ❖ Open : It indicated the opening price of the stock on that particular date.
- ❖ High : This column contained the highest price reached by the stock during the trading day.
- ❖ Low : It recorded the lowest price reached by the stock on the given date.
- ❖ Close : This column displayed the closing price of the stock.
- ❖ Adj Close : The "Adj Close" column considered additional factors like dividends, stock splits, and new stock offerings when determining the closing price.
- ❖ Volume : The "Volume" column represents the volume of shares traded on that specific date.

Analysis

To build the chart, I have considered only the 'Date' column and the 'Closing stock price' column.

- ❖ I have calculated the 'Open price,' 'High price,' and 'Low price' for a specific date.
- ❖ I have also calculated the '52-week High price' and '52-week Low price.'

Note that the '52-week High price' represents the maximum value observed in the 'Highest stock price' column, while the '52-week Low price' corresponds to the minimum value in the 'Lowest stock price' column.

I have created a dropdown menu using the 'Data Validation' option for all available column names. When a user selects a column name, such as 'KVB Open' or 'SBI Close,' the chart adjusts accordingly.

Functions used:

Following are the Excel functions used in the analysis.

- ❖ **INDEX()** : Used for retrieving values from a specified range based on row and column numbers. Helpful for extracting Open, Low, High prices from a dataset.
- ❖ **MATCH()** : Employed to locate the relative position of a specified value within a range of values. Useful for finding the position of Open, Low, High prices in the dataset.
- ❖ **LEFT()** : Utilized to extract a specified number of characters from the beginning (left) of a text string. Can be helpful for extracting parts of column names such as 'KVB' from 'KVB Open'.
- ❖ **FIND()** : Used for locating the position of a specific character or substring within a text string. Useful for finding the position of space in column names.
- ❖ **MIN()** : Employed to find the minimum value within a specified range of values. Useful for determining the lowest stock price during a particular period.
- ❖ **MAX()** : Utilized to find the maximum value within a specified range of values. Helpful for identifying the highest stock price during a specific timeframe.

Outcome:

Developed a 'Stock Market Analysis' Dashboard that contained two charts:

1. A chart for analyzing individual stock prices associated with a stock.
2. A chart for comparing stock prices between 'Karur Vysya Bank' and 'State Bank of India.'

Insights drawn:

- ❖ Over the past year, the highest stock price for KVB was ₹137.75, while SBI reached a peak of ₹629.5.
- ❖ Additionally, the lowest stock prices during this period were ₹74 for KVB and ₹499.35 for SBI.
- ❖ KVB had a trading volume of 2.75 crore shares (27,455,580 shares), whereas SBI had a higher trading volume of 5.27 crore shares (52,725,616 shares).