Stock Market Analysis Summary

As part of this assignment we have done the fundamental stock price analysis of 6 Indian companies: Eicher Motors, Hero, Bajaj Auto, TVS Motors, Infosys and TCS using the moving average technique and used MySQL for the same. The data source is NSE trading website where stock prices are listed for Indian registered companies.

The **Simple Moving Average** (SMA) is often used to identify trend direction and it can be used to generate potential buy, sell or hold **signals**. Using SQL we have calculated the SMA of the closing price of the stocks date-wise and calculated 20 Day and 50 Day moving averages as a first step.

Then we have used lag SQL function and difference between the 20 Days and 50 Days moving averages for all stocks to find out the **Moving Average Crossovers**.

Crossovers are one of the main moving average strategies to find out the signal for **BUY/SELL or HOLD.**

With respect to the **Bajaj stock price analysis**, we have **BUY and SELL signal** for 12 and 11 days which is just **2.6 %** of the total time duration 899 days. Hence, the signal is HOLD (share holder should keep stock and new buyer should refrain from buying) for Bajaj for most of the time.

In general, HOLD signal is better than sell but worse than buy.

The **average closing price of Bajaj over time period is 2678.66** which is higher than rest of the companies except for Eicher share closing price.