

Stock Market Summary

Given the data for 6 stocks, namely, Bajaj Auto, TCS, TVS Motors, Infosys, Eicher Motors, and Hero MotoCorp, the analysis was carried out based on **20 Day** and **50 Day Moving Average** of the close price for all the 6 stocks for the period of **Jan 2015 – July 2018**; 2015-01-01 to 2018-07-31 to be precise. The signals were generated for all the dates, though the actual **BUY** and **SELL** signals were generated from the **51st day** (2015-03-13) of the data at hand.

Below are some results obtained from the analysis:

Least Close Price – 213.55 (TVS Motors)

Greatest Close price – 32786.4 (Eicher Motors)

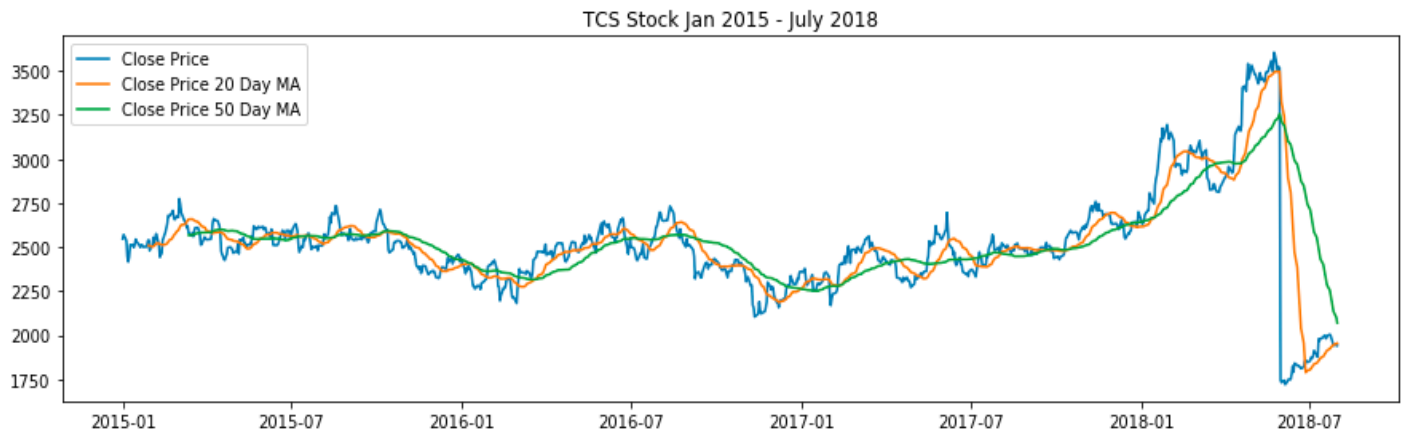
Minimum and Maximum Close Price for all the 6 stocks along with the Dates

Stock	Date for Min	Minimum Close Price	Date for Max	Maximum Close Price
Bajaj Auto	2015-04-30	1949.4	2018-02-01	3409.5
TCS	2018-06-05	1721.2	2018-05-24	3604.8
TVS Motors	2015-08-24	213.55	2017-12-19	785.3
Infosys	2017-08-21	873.5	2015-02-19	2326.6
Eicher Motors	2015-04-21	14320.6	2017-09-07	32786.4
Hero MotoCorp	2015-09-07	2279.8	2017-09-01	4047.3

Signal distribution for all the 6 stocks

Signal	Bajaj count	TCS count	TVS count	Infosys count	Eicher count	Hero count	Total Count
HOLD	866	864	873	871	876	871	5221
BUY	12	12	8	9	6	9	56
SELL	11	13	8	9	7	9	57

TCS Stocks were bought and sold the most out of all the 6 stocks.



From the above graph for the TCS stock, it can be noticed that:

1. 20 Day Moving Average closely tracks the actual Close Price of the stock indicating a short-term trend in prices.
2. 50 Day Moving Average smoothens the value of the Close Price of the TCS stock indicating a long-term trend in the prices.
3. When the 20-day MA crosses above the 50-day MA, i.e., the **Golden Cross** appeared, the close price starts to rise indicating the investor to buy the stock.
4. When the 20-day MA crossed below the 50-day MA, i.e., the **Death Cross** appeared, the close price start to dip indicating the investor to sell the stock.

Year, month and day in which the **greatest** number of Stocks were bought and sold for TCS:

Year 2017 – 5 Stocks were bought and sold.

Month 8 (August) – 3 stocks were bought

Month 7 (July) & 9 (September) – 3 stocks each were sold.

Day 13th – 2 stocks were sold

Day 18th & 15th – 2 stocks each were sold

Most of the stocks are usually bought and sold during the **3rd quarter** of a year and during week **3rd Week** of a month. This period can be considered good for buying and selling the TCS stocks.