

# Stock Market Analysis

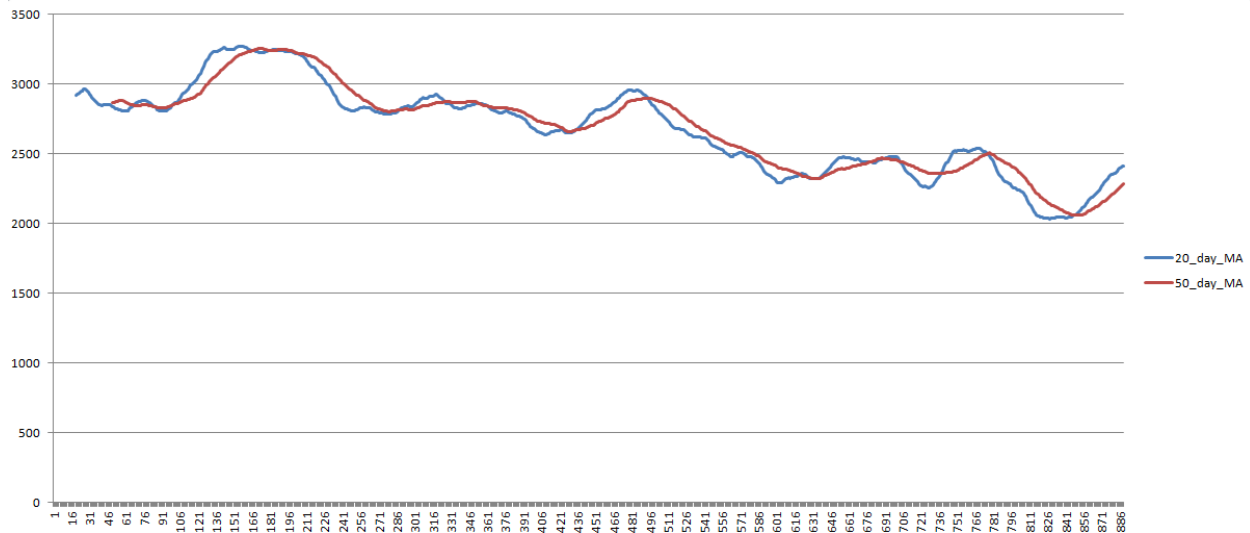
The data set which has been provided is extracted from NSE. The data provided from 1/January/2015 to 31/ July/2018 form six stocks like Bajaj motors, Eicher Motors, Hero-Motocorp, TVS Motors, TCS, Infosys.

This table representing the minimum and maximum close price for all stocks.

Stock Name	Minimum(close price)	Maximum(Close price)
Bajaj Motors	1949.4	3409.5
TCS	1721.2	3604.8
TVS Motors	213.55	785.3
Infosys	873.5	2326.6
Eicher Motors	14320.6	32786.4
Hero motocorp	2279.8	4047.3

From the above table we can say that TVS motors have highly volatile stocks, because it rises and falls more than one percent over a sustained time period.

So we have made a table by calculating moving average for 20 days and 50 days based on closing price of all the stocks.



(This graph represents the cross between 20 day MA and 50 day MA of Bajaj motors Stock)

From this table we have made another table by generating signal for "Buy" or "Sell" or "Hold". To generate the signal there is a small logic applied i.e. when the shorter term MA (Moving Average) crosses above then the longer term MA that is the time to "buy" and when the shorter term MA (Moving Average) crosses lower then the longer term MA that is the time to "Sell", if the shorter term MA(Moving Average) equal to the longer term MA then it is time to "Hold"