

Stock Market Analysis - Summary (Assignment)

The dataset had been extracted from the NSE website. The Stock price data provided is from 1-Jan-2015 to 31-July-2018 for six stocks Eicher Motors, Hero, Bajaj Auto, TVS Motors, Infosys and TCS.

The moving average (MA) is used to analyze data points by constantly updating the series of averages of different subsets of the full data set. Moving averages are great statistical tools that help traders in buying and selling of stocks.

From the analysis of the various stocks and performing operations on them, we can see that crossing over of short-term and long-term moving average is an important factor in deciding trade signal as 'Sell', 'Buy' or 'Hold'.

The database named assignment has 19 tables with 888 rows each and 1 user defined function. All the 4 tasks are performed and results are analyzed. The user defined function returns the output indicating the signal as a string by taking input as date which is unique for every row.

The following table shows the minimum and maximum Close prices of all the stocks: -

Stock	Min (Close Price)	Max (Close Price)
Bajaj	1949.4	3409.5
TCS	1721.2	3604.8
TVS	213.55	785.3
Infosys	873.5	2326.6
Eicher	14320.6	32786.4
Hero	2279.8	4047.3