

## ASSIGNMENT – STOCK MARKET ANALYSIS

### SUMMARY

Data Analysis can be used in many platforms. Investments and stock markets are one among them.

This assignment's main aim is to find the best days each stock could be bought and sold. **It is observed that there isn't a huge fluctuation in the signals.** The signal stays 'Hold' most of the days. Very rarely it turns out to be 'Sell' or 'Buy'. This shows that the buying and selling happens a few times around the year so one must be very careful while buying or selling a stock since he/she might not get a chance very soon.

A quick description of the results in SQL:

- After importing using 'Table Data Import Wizard', the moving average containing 20 day (short term) and 50 day (long term) **simple moving average** is created. Top 49 rows are **eliminated**.
- A master table **to compare the close price** of all the stocks.
- Another table that **shows the signal** using a few functions.

Principle used:

- **Current row 20 day > 50 day and previous row 20 day < 50 day then Buy**
- **Current row 20 day < 50 day and previous row 20 day > 50 day then Sell**
- **Else Hold**
- A function **to give the signal when input is date**.

This analysis will be beneficial for anyone trying to find their way through stock market since all it requires the date and you will get to know the signal.

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