

Assignment - Stock Market Analysis

Summary:

1. **Bajaj Auto:**

- Bajaj Auto Stock could have been bought 12 times, sold 11 times in the provided time period.
- Bajaj Auto Stock's trend as of 28-06-2018 is shifting up.
- Date: 31-07-2018 :2700.7, 01-01-2015 :2454.1 results in 10% increase in stock value.

2. **TCS:**

- TCS Stock could have been bought 12 times, sold 13 times in the provided time period.
- TCS Stock's Trend as of 05-06-2018 is shifting up mostly before that it was shifting down mostly.
- Date: 31-07-2018: 1941.25, 01-01-2015 :2548.2 results in 23.8% decrease in stock value.

3. **Eicher Motors:**

- Eicher's Stock could have been bought 6 times, sold 7 times in the provided time period.
- Eicher's Stock Trend as of 06-06-2018 is shifting down.
- Date: 31-07-2018: 27820.95, 01-01-2015: 15239.15 results in 82.5% increase in stock value.

4. **TVS Motors:**

- TVS Stock could have been bought 8 times, sold 8 times in the provided time period.
- TVS Stock Trend as of 11-05-2018 is shifting down.
- Date: 31-07-2018: 517.45, 01-01-2015: 276.85 results in 86.9% increase in stock value.

5. **Hero MotoCorp:**

- Hero MotoCorp Stock could have been bought 9 times, sold 9 times in the provided time period.
- Hero MotoCorp Stock Trend as of 18-07-2018 is shifting down.
- Date: 31-07-2018: 3293.8, 01-01-2015: 3107.3 results in 6% increase in stock value.

6. **Infosys:**

- Infosys Stock could have been bought 9 times, sold 9 times in the provided time period.
- Infosys Stock Trend as of 21-05-2018 is shifting up.
- Date: 31-07-2018: 1365, 01-01-2015: 1975.8 results in 3% decrease in stock value.

Final Report:

- Stocks that can be **bought** in likelihood of returns are **Bajaj Auto, Infosys**.
- Stocks that can be **sold** in likelihood of returns are **Eicher Motors, TVS Motors, Hero MotoCorp, TCS**

Following observations were made using the data insights like trends and moving average method for 20 and 50 days.