



CHEMICAL SECTOR STOCKS

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Chemical Stocks Performance for the Year 2018

Predicting and Forecasting stocks using Statistical script model LSTM & TIME SERIES



Model Performance : 97%

Analyzing and predicting stock movements based on key performance indicators

SMA, EMA, MACD Bollinger Band

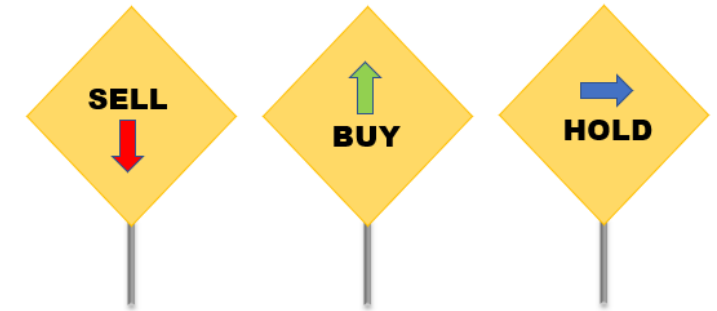
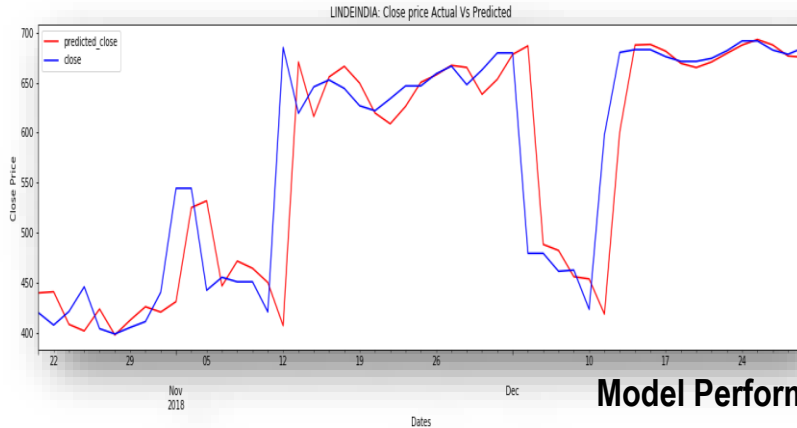
Highlights:

- ✓ Trading stock of chemicals considered
 - Linde India
 - Vinati Organics Ltd
 - IGPL
- ✓ Total Data points : 645
- ✓ Selected Stock have both Upward and Downward trend
- ✓ Business Days considered for Analysis
- ✓ Dynamic Oscillators is provided in Tableau Dashboard can be found at :

<https://1drv.ms/u/s!Av4HmhHEwDYShVhoZiQ8sdCEOHhW?e=ranQru>

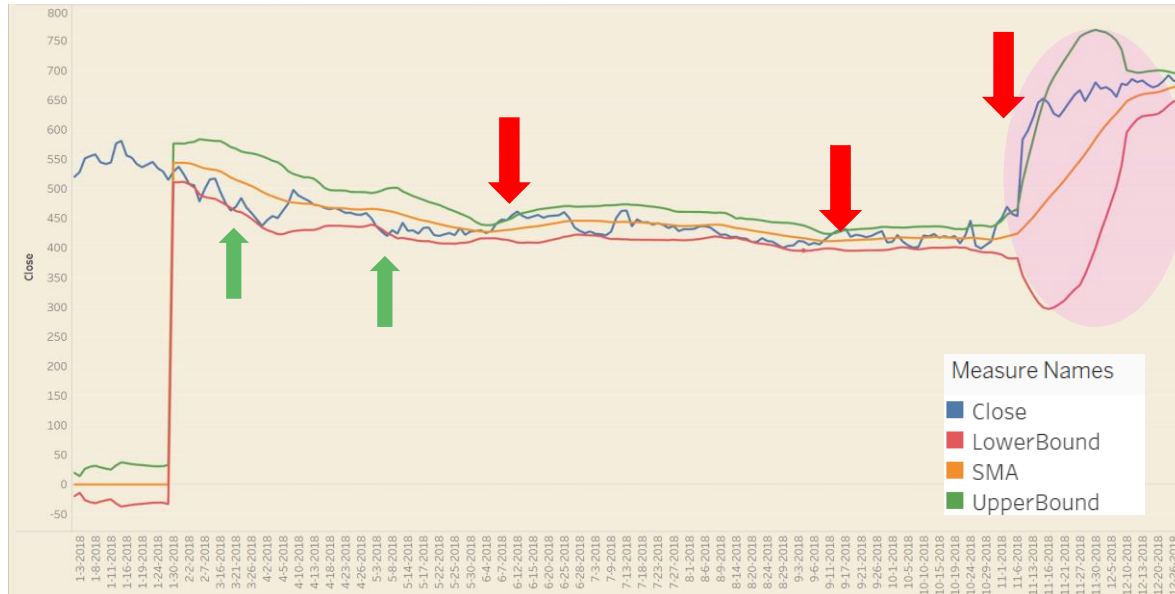
Investor Dilemma

Predicting and Forecasting stocks LINDEINDIA

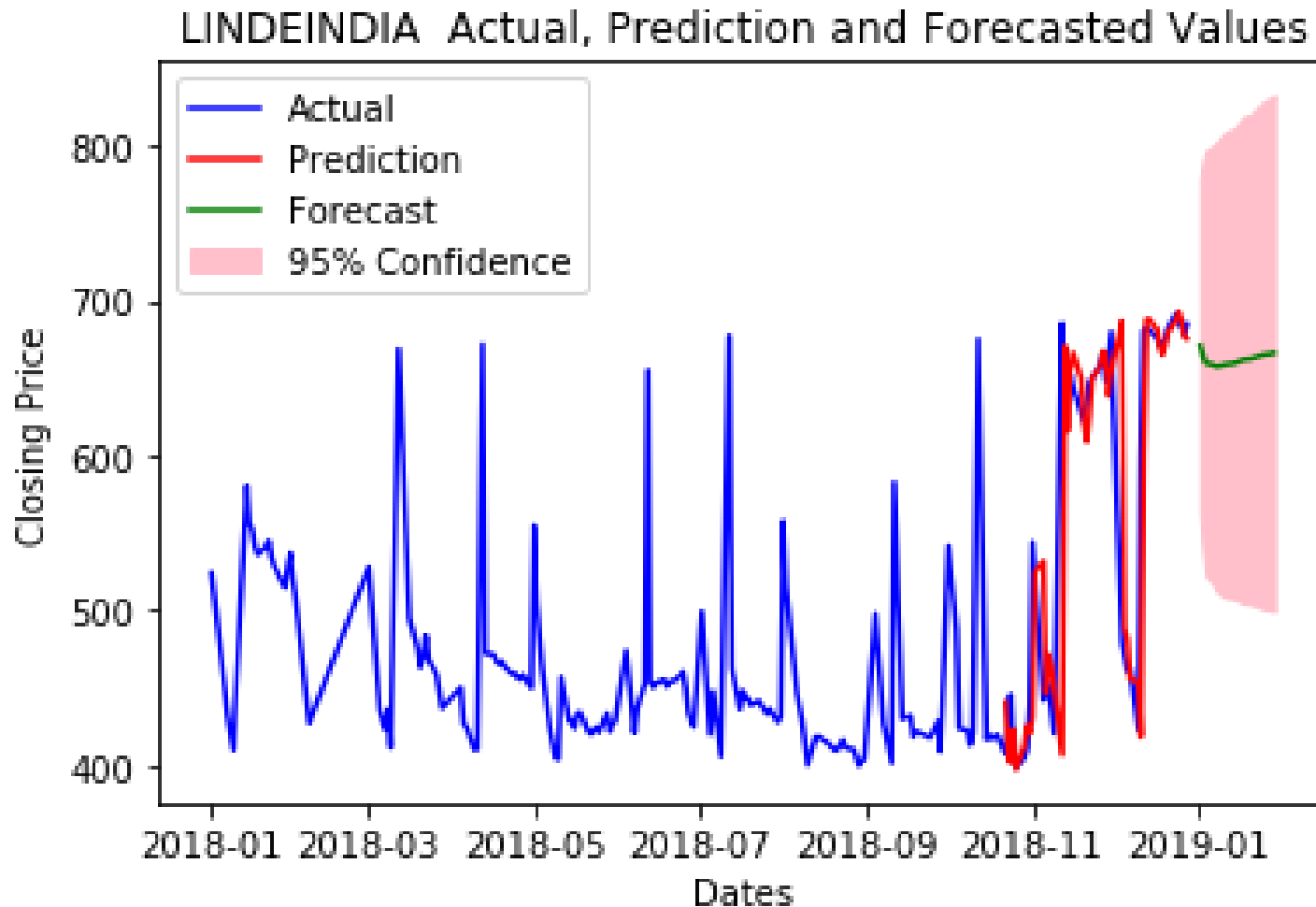


Key Takeaways:

- ✓ The trading of the shares decreased particularly in the month of February and March 2018, There by the trend of trading increased by 80% . With Stocks trending upwards.
- ✓ The Bollinger Band: BB are used to determine overbought and oversold levels. The envelope of the band is good enough to identify the overbought and oversold levels.
- ✓ We can see that the closing price is near the SMA line, Neither crossing the Upper band nor the lower band.
- ✓ Circle marked in pink color indicates volatility in the market during the given period.
- ✓ **Conclusion : Purchase and sell of Stock can be done as indicated by colored arrow marks (Green : Buy, Red: Sell)**



Investor holding the stocks of Lindeindia are suggested to sell or hold the stocks for another 3 months



Forecast of the model is for a period of 20 days with 95% confidence level.

The model indicates a fall in share price from 684.90 to 666.31. **A fall of 18.59 as marked in pink color**

Key Take aways:

- ✓ Investor holding the stocks of Lindeindia are suggested to sell or hold the stocks

Investor are advised to hold the Vinati Organics stock

Predicting and Forecasting stocks Vinati Organics Ltd



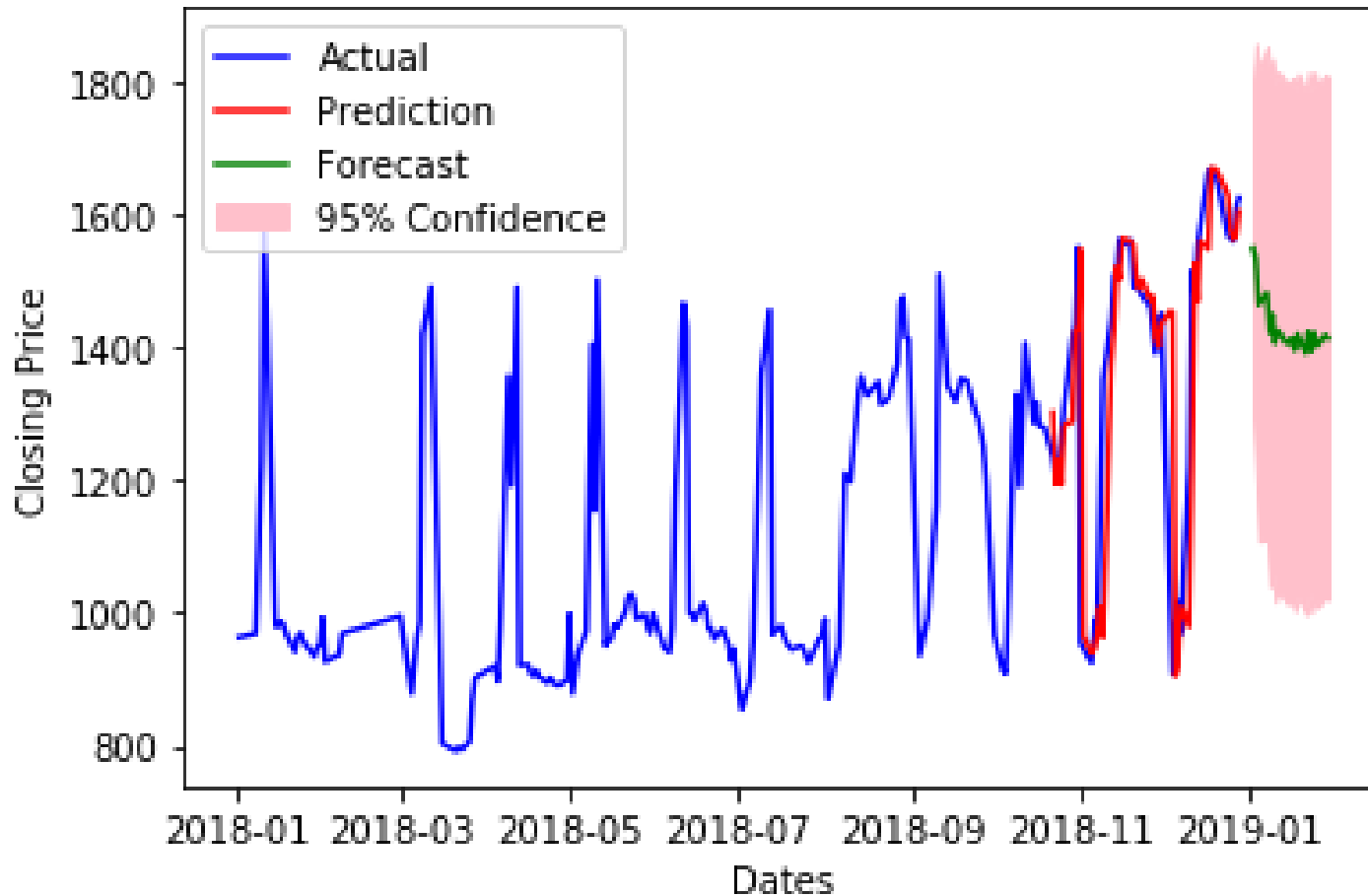
Key Takeaways:

- ✓ The share of Vinati Organics Ltd shows upward trend.
- ✓ The Bollinger Band: BB are used to determine overbought and oversold levels. The envelope of the band is good enough to identify the overbought and oversold levels.
- ✓ We can see that the closing price is near the SMA line, Neither crossing the Upper band nor the lower band.
- ✓ Circle marked in pink color indicates volatility in the marked during the given period.
- ✓ **Conclusion : Investor are advised to hold the stock.**

Investor are advised to hold the Vinati Organics stock



Vinati Organics Ltd Actual, Prediction and Forecasted Values



Forecast of the model is for a period of 20 days with 95% confidence level.

The model indicates sharp downward trend in share price for January 2019. price from 1625.15 to 1422.25. **A fall of 203**

Key Take aways:

- ✓ Investor holding the stocks of Vinati Organics Ltd. are suggested to sell the stocks