Analytics GC (2022)

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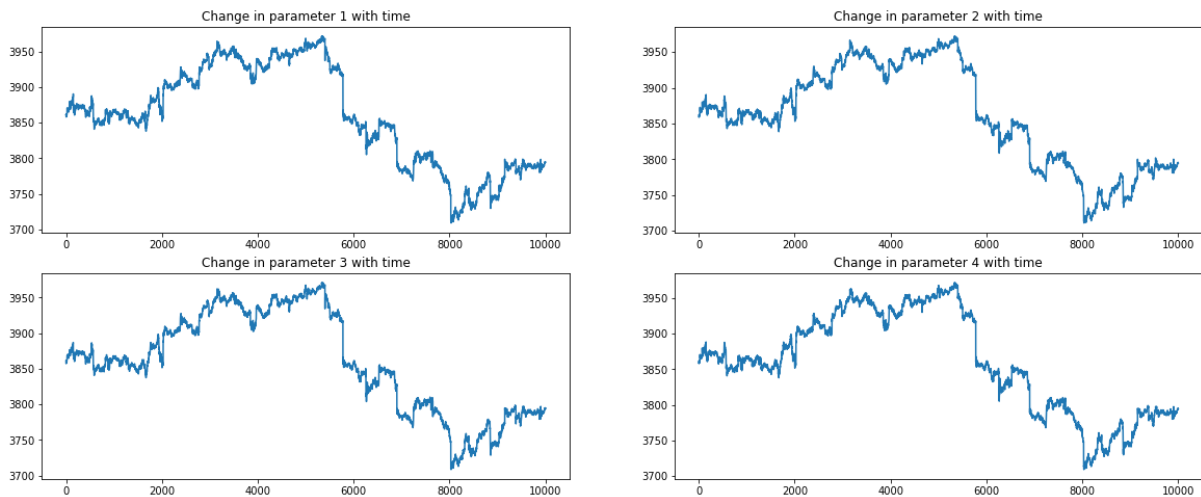
Prathmesh Namdeo - 19D180020
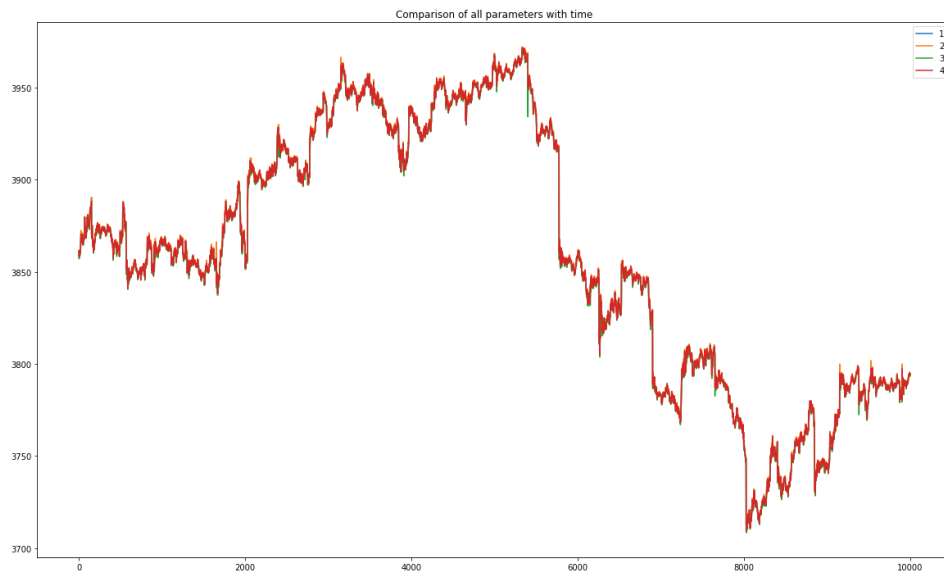
Indian Institute of Technology Bombay

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PARAMETERS WITH TIME

Here we have plotted all parameters 1, 2, 3 and 4 separately with time and the final observations

shows that they are pretty similar with respect to time, no major differences in graphs are

observed.

This is the comparison of all four parameters in one graph, and has seen the values are almost

similar as all 4 plots are almost perfectly overlapping over each other.

ALGORITHM

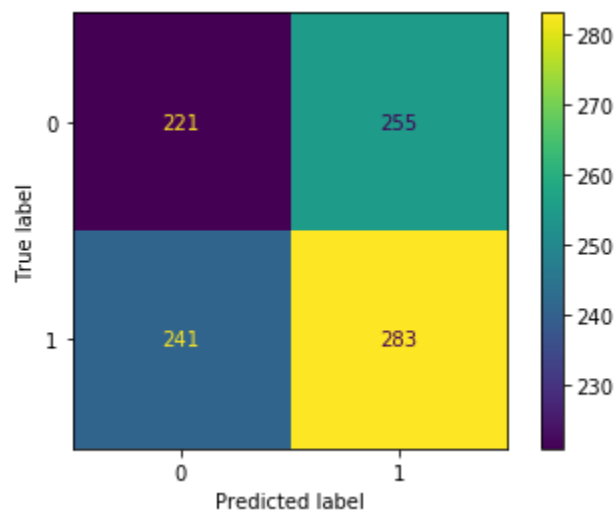We used LogisticRegression for prediction of y(output) for the test dataset.

The dataset is divided into train and test sets of ratio 80:20.

We obtained an accuracy of 56.5%.

There is a good chance of improving the accuracy by varying the train-test ratio.

The trends can be visualized using Moving Average Algorithm to cover real time series data.

CONFUSION MATRIX

CONCLUSION

There is nearly 55% accuracy of true positive and negative predictions which can be seen in the confusion matrix.