Assume **Innomatics** is stock brokerage firm, and they are doing stock trading. They are more interested in **Jubilant Food Work Ltd** and want to know how its stock price is moving with respect to stock indices (NIFTY)

You have given two csv files (**index.csv and JUBLFOODALLN.csv**) for past 365 day starting form 1st Feb 2018 to 28th Feb 2019. In index.csv the following attributes are

Date → Date

Open → NIFTY indices open

High → NIFYT indices high

Low → NIFTY indices low

Close → NIFTY indices close

Shares Trades → NIFTY share trade

Turnover (Rs.Cr) → Turnover in cores

In JUBLFOODALL.csv the following attributes are

Symbol → Company CODE

Series → Equity/Derivate/Futures etc

Date → Date

Prev Close → Previous day close price

Open Price → Open price on current day

High Price → Highest price on current day

Low Price → Lowest price on current day

Last Price → Last price

Close Price → Closing price on current day

Avg Price → Mean price on current day

Total Traded Quantity → Total Traded quantity on current day

Turn Over → Turnover on current day,

No of Trader → total number of trades

Deliverable → Delivarble

%Dly Qt to Traded Qty → Percentage return on day

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Build a Machine Learning model (Linear Regression) and do all kind on regression analysis for following.

FROM 1ST AUGUST 2018 TO 28 FEB 2019

1. Index Open vs JUBLFOOD Open price
2. Index High vs JUBLFOOD High price
3. Index Low vs JUBLFOOD low price
4. Index Close vs JUBLFOOD Close price
5. Index shares trade vs JUBLFOOD total traded quantity

Note:

1. Please kind submit excel, Jupyter notebook and also prepare at least 10 pages of document (PDF) on Regression analysis and Statistical Analysis.

Last date for submission: 8th March 2019