

Data Visualization Lab-9

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Course Code: CSE3020

Questions: -

Question 1:

Consider the COVID-19 pandemic situation. Analysis and forecast the pandemic trend by using Covid19 dataset with help of calculation field, Trend line and forecasting options in Tableau

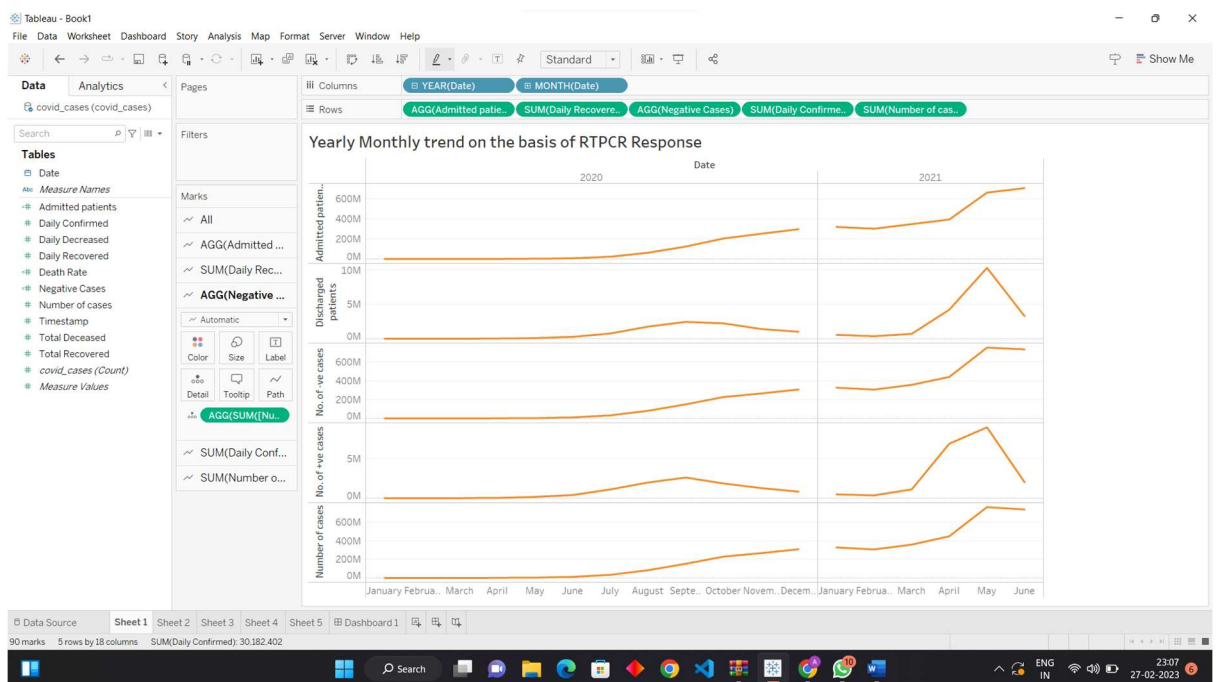
1. You want to predict the last year monthly, weekly trend based on the RTPCR response, (i.e.) No. of +Ve cases and No. of -Ve cases along with admitted and discharged trend.
2. Identify the death rate due to Covid-19
3. Compare the last year and this year trend and forecast the 3rd Wave impact in India
4. Construct the model using the Simple moving average, Exponential Moving Average and ARIMA to forecast the Covid19 Dataset.

Show the all above implementation with the visual impact.

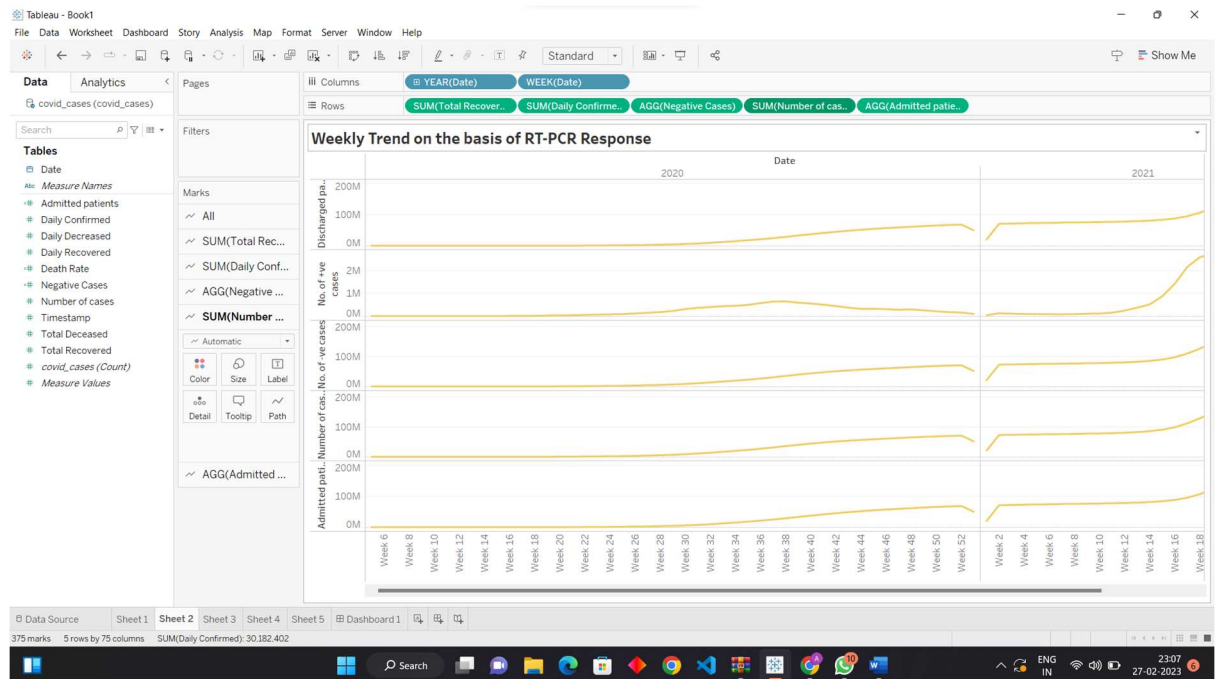
Show the output in visual form using tableau. Along with the Dashboard

Solution

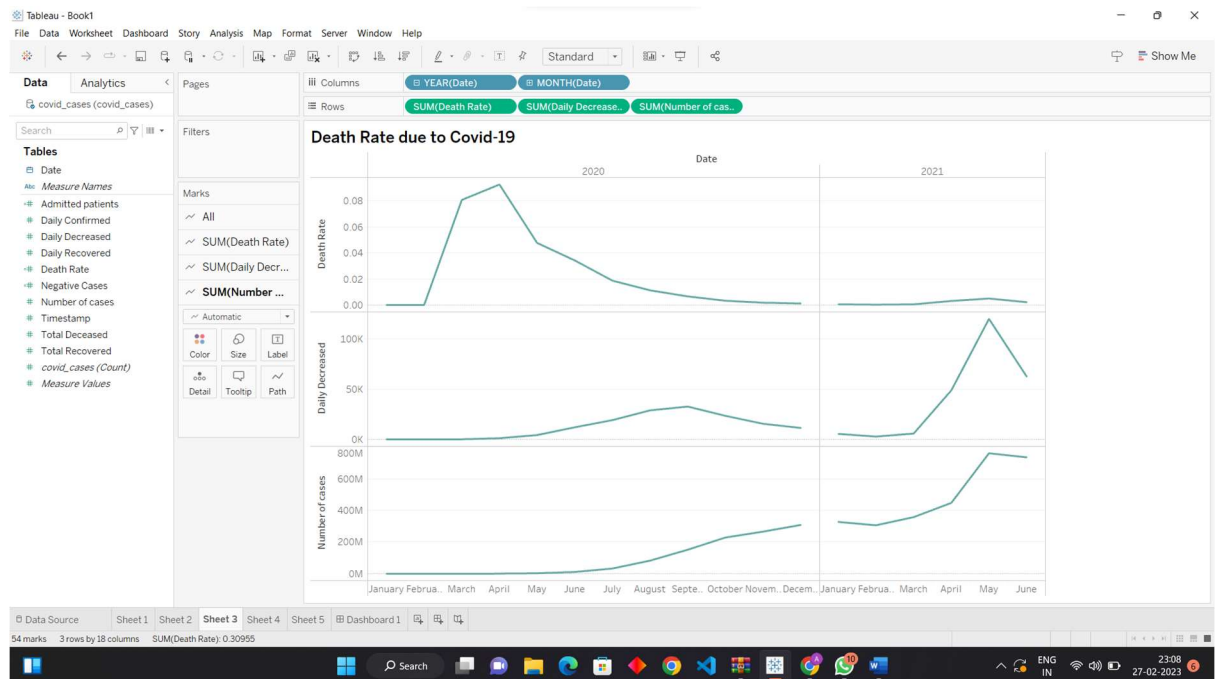
1. Yearly monthly Trend



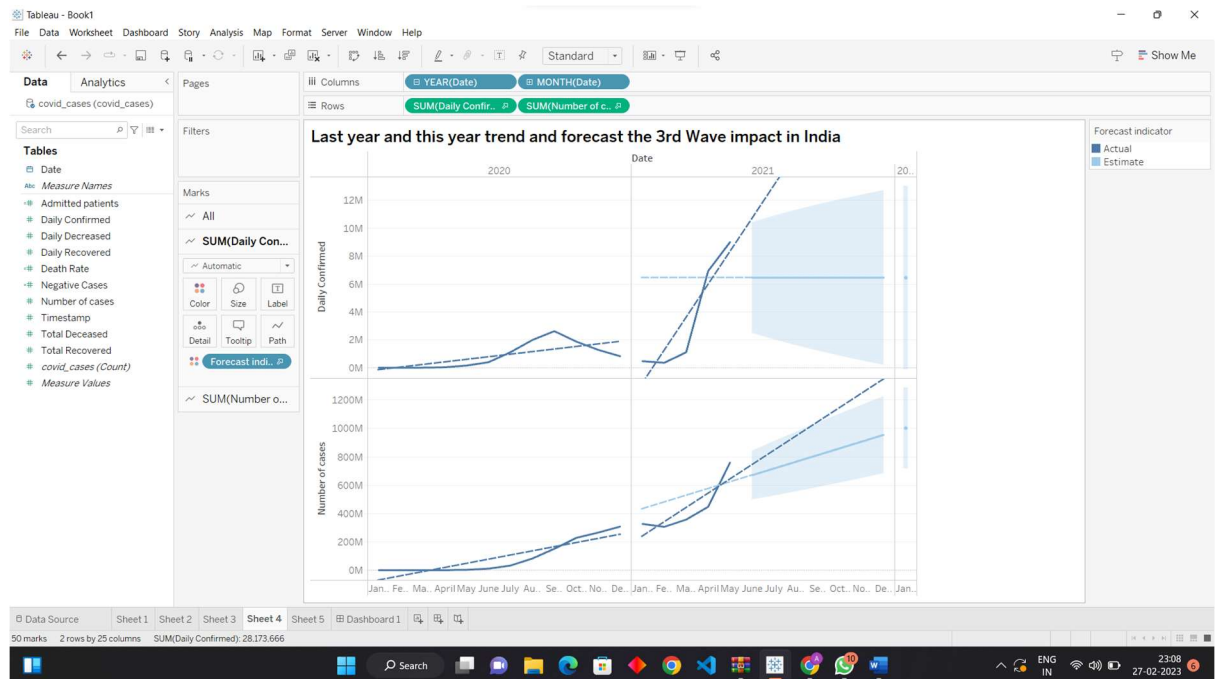
2. Weekly Trend



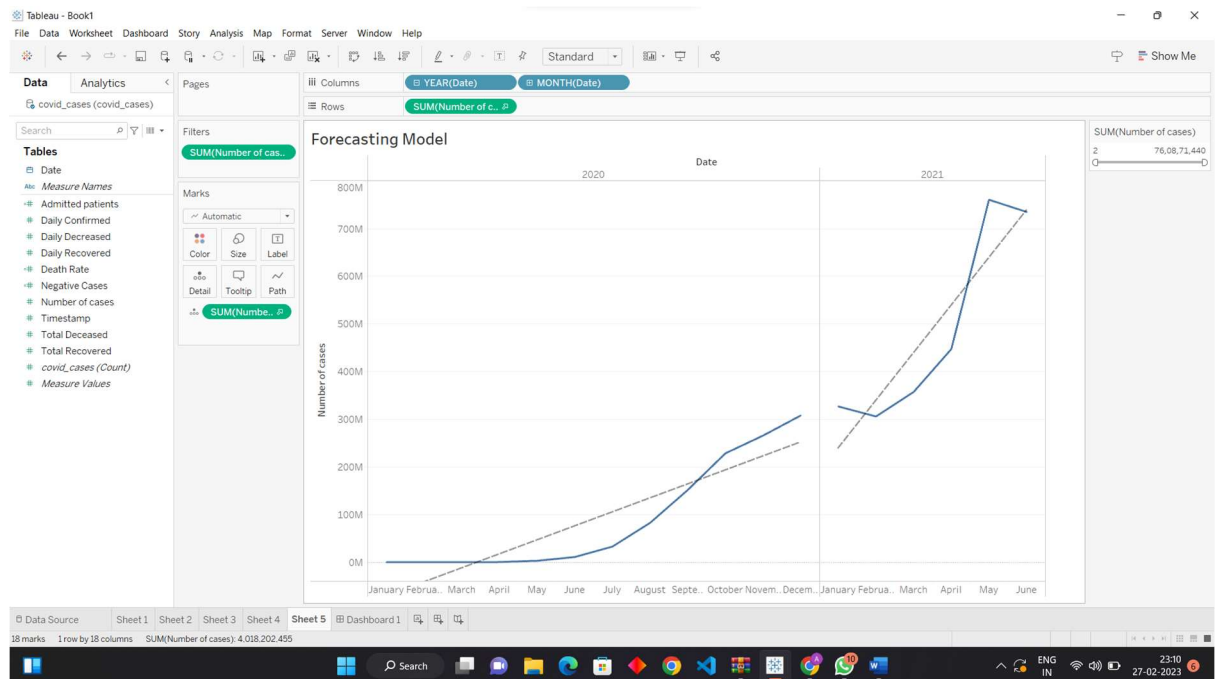
3. Death Rate

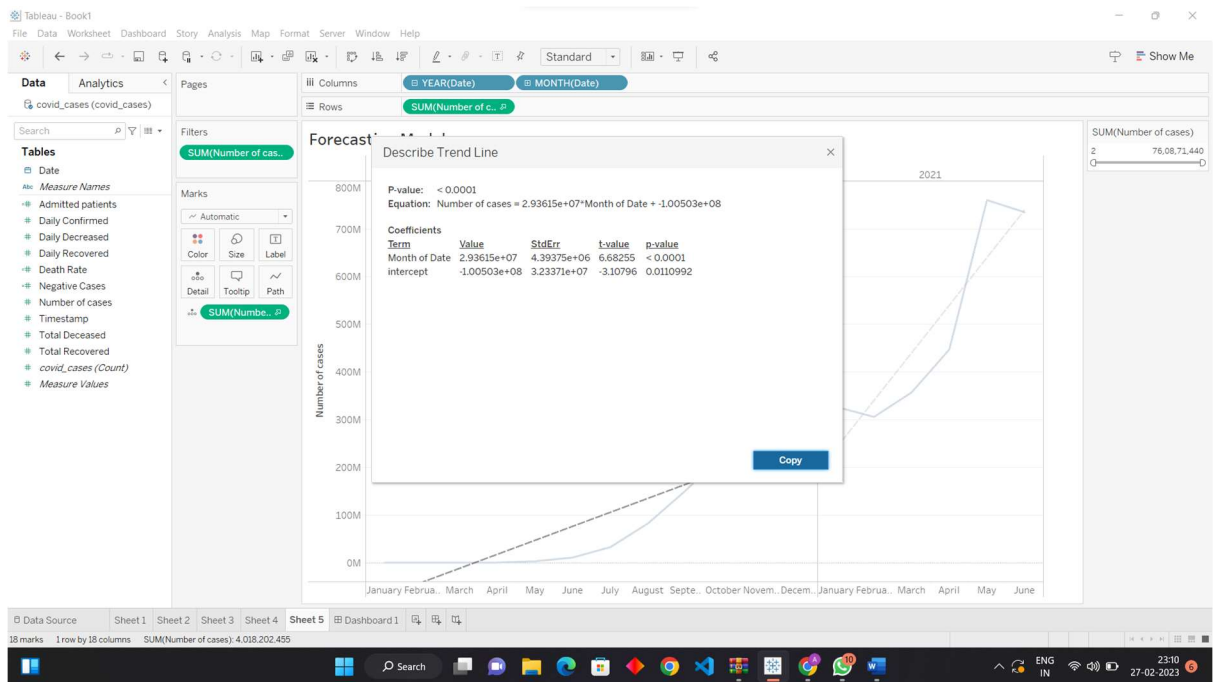


4. Last Year trend and 3rd Wave Impact

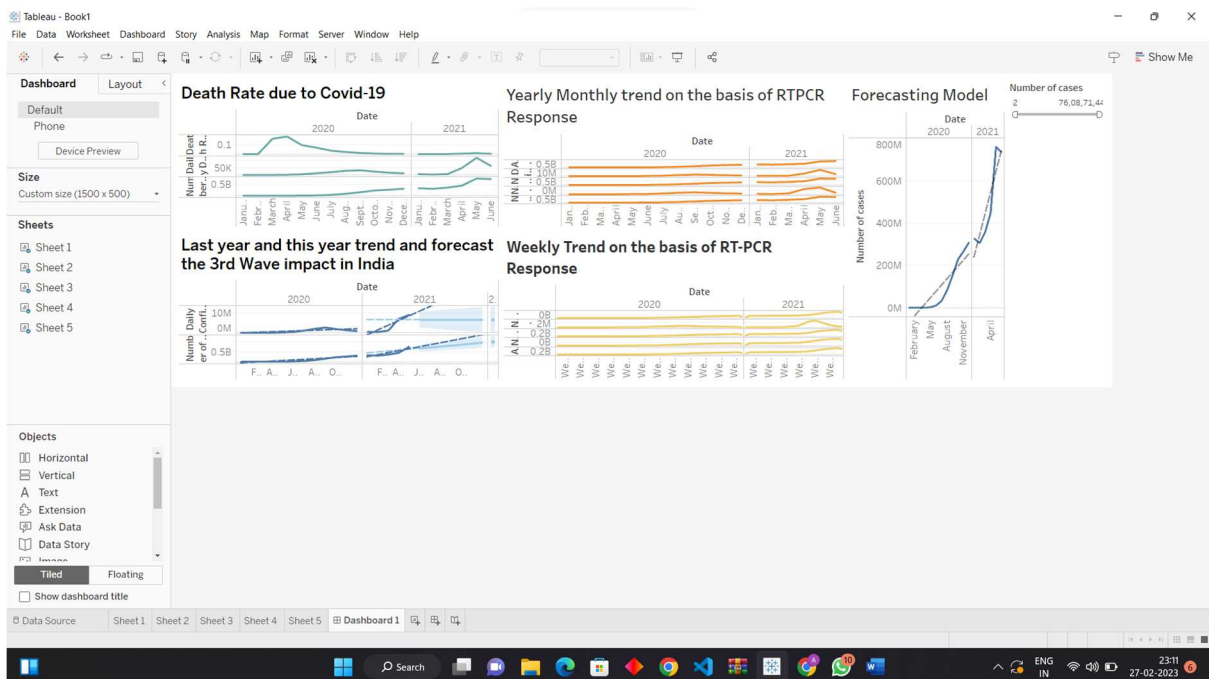


5. Forecasting





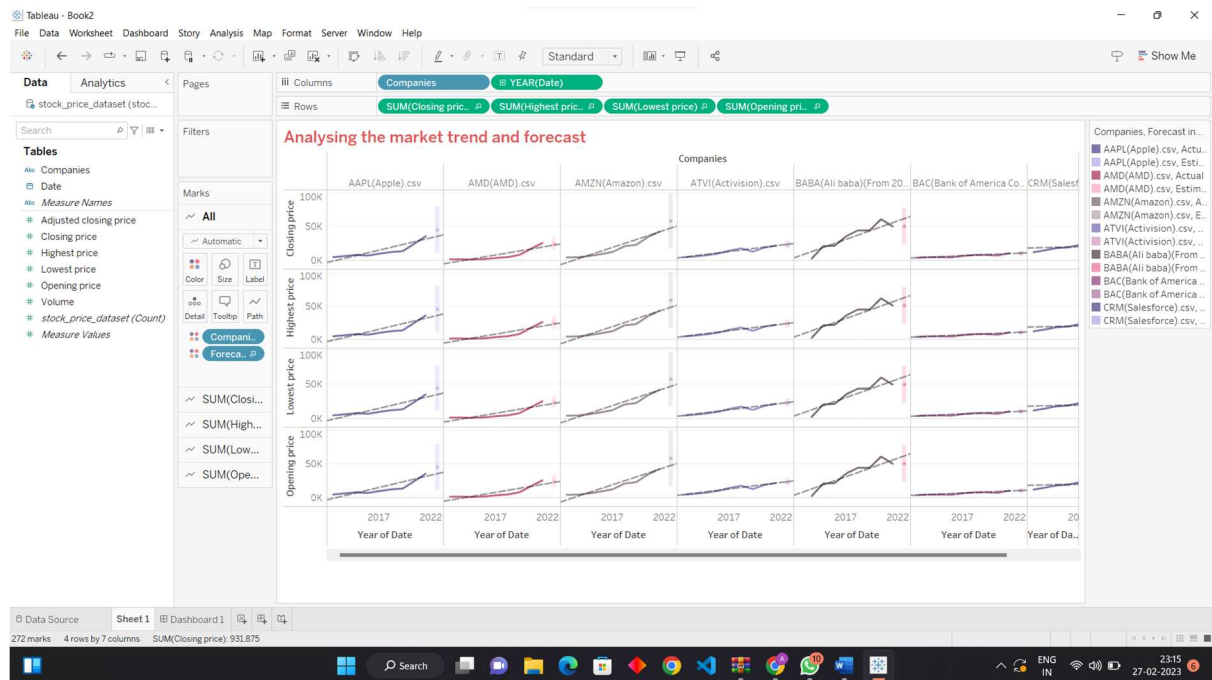
Dashboard



Question 2:

Consider the Stocks of Past Decade(2013-2023). Stocks prices for past 10 years of Big Companies that Move the Stock Market. Analyse the market trend and forecast using the dataset with help of calculation field, trend line and forecasting options in Tableau.

Solution:



Dashboard

