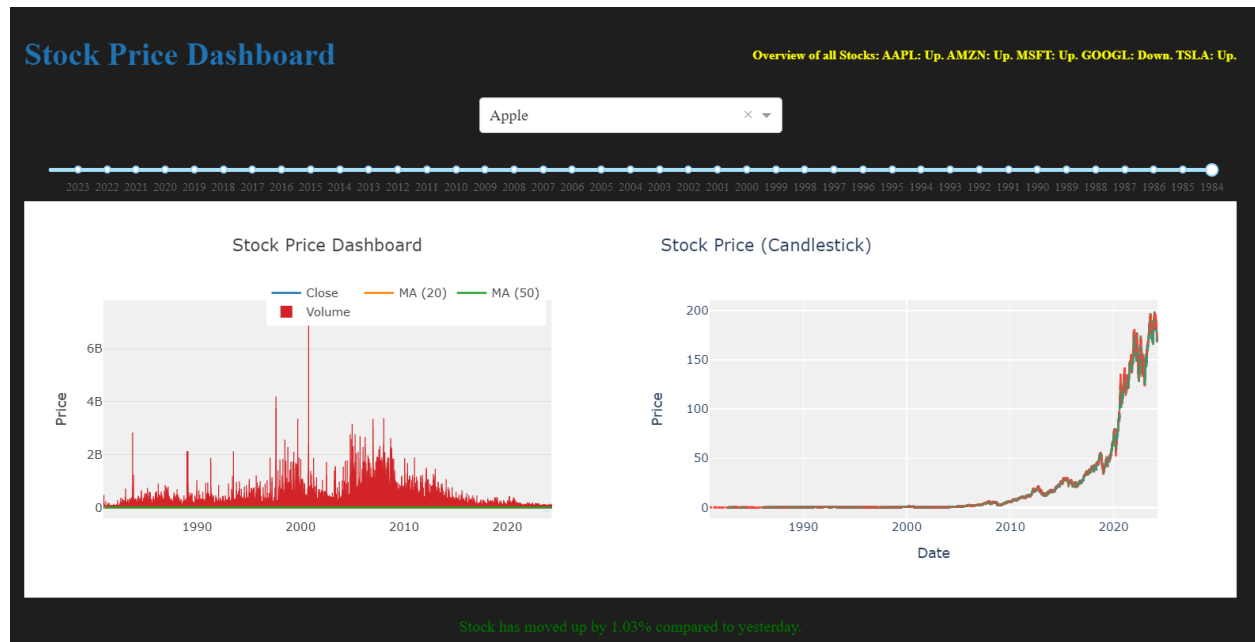


DASHBOARD

Name: Khushi Maheshwari

Roll No: B21AI052

Stock Price Dashboard:

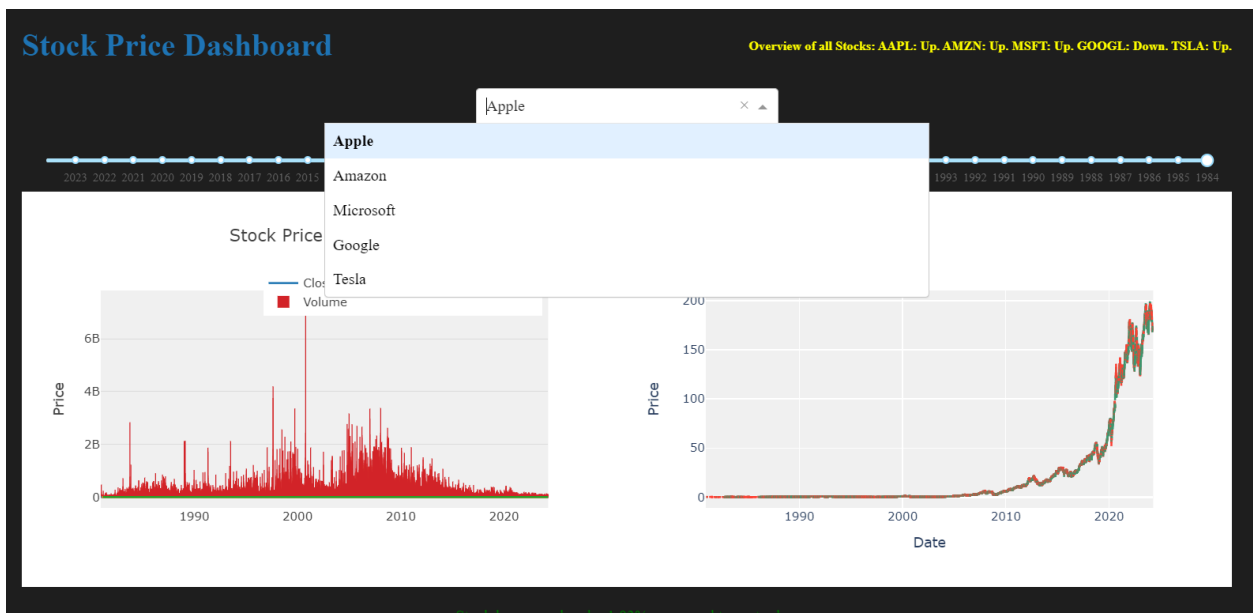


The purpose of this dashboard is to show the trends in the prices of various stocks like Apple, Amazon, Microsoft, Google, Tesla.

On the top right Overview of all stocks is presented(if the stock has gone up or down)

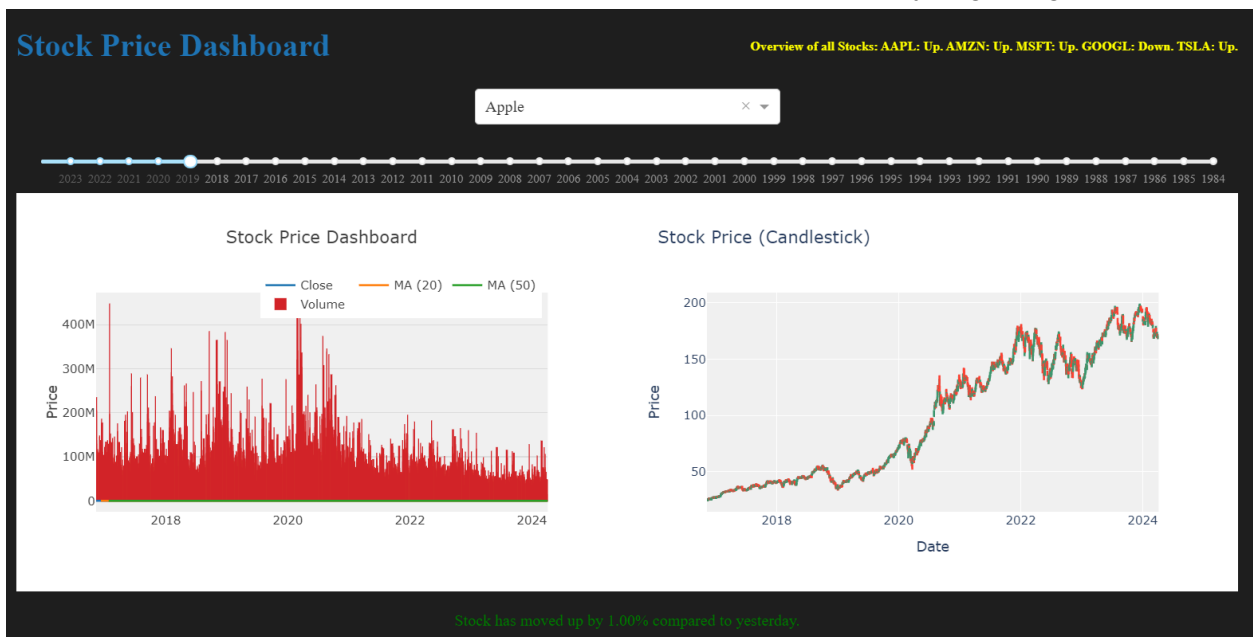
We have a dropdown menu, from which we can select any stock we want to see.

And below that we have a slider to select the start time which we want to view the stock prices starting from. It is by default set to the maximum range available.



We can also select the range of duration till which year in part we want to see the stock price using the given slider.

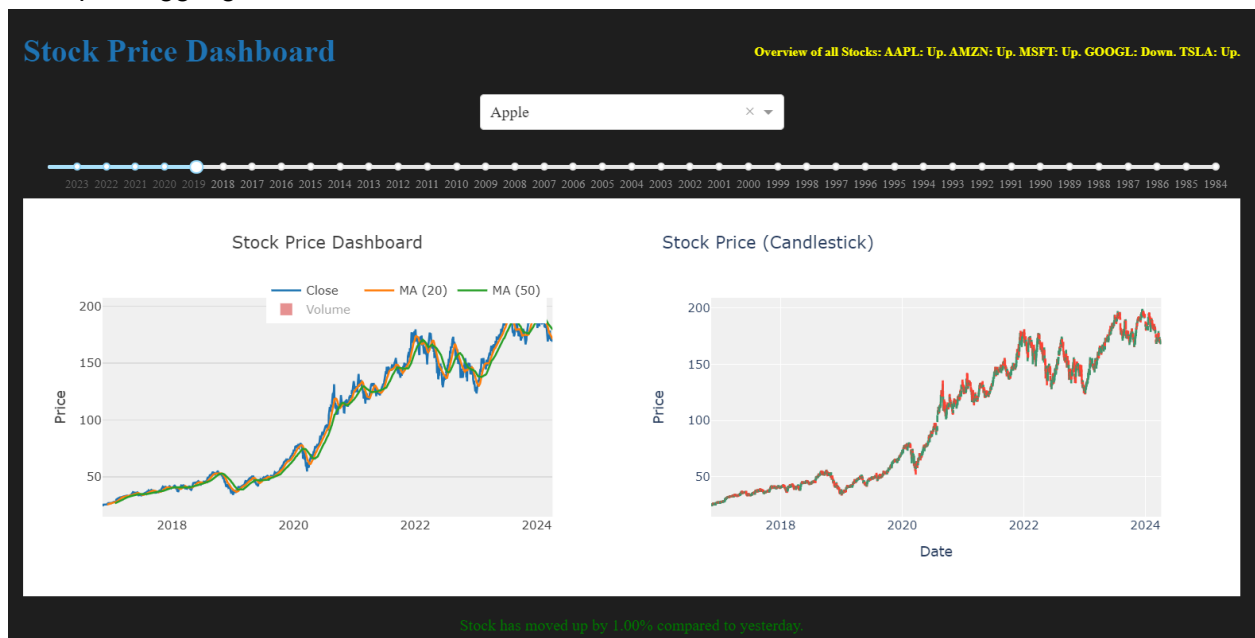
In this i have kept the slider at 2019, so the stock prices are shown only beginning from 2019.



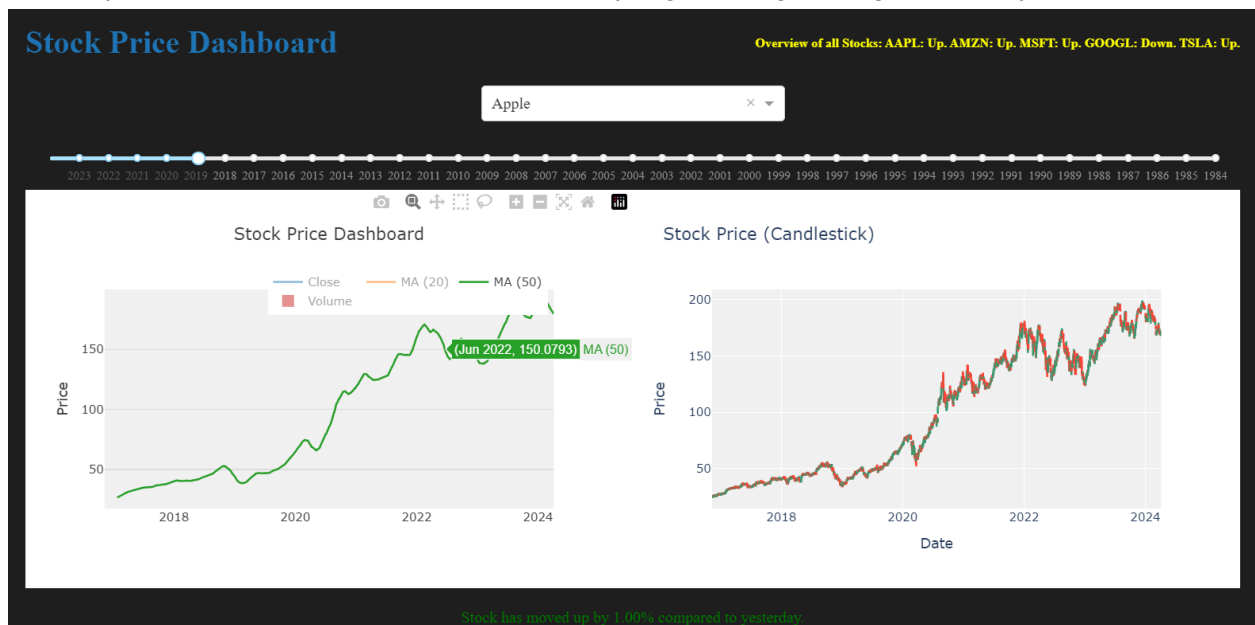
On the bottom, we can also see the percentage change in stock.
(in green if it goes up, in red if it goes down, and in yellow if no change)

In the first plot, where 4 things are plotted: Closing price, Moving average of 50 days, Moving average of 20 days and Volume, we can toggle on each of the entity if we want to see/hide it.

Example, toggling on volume to hide it:

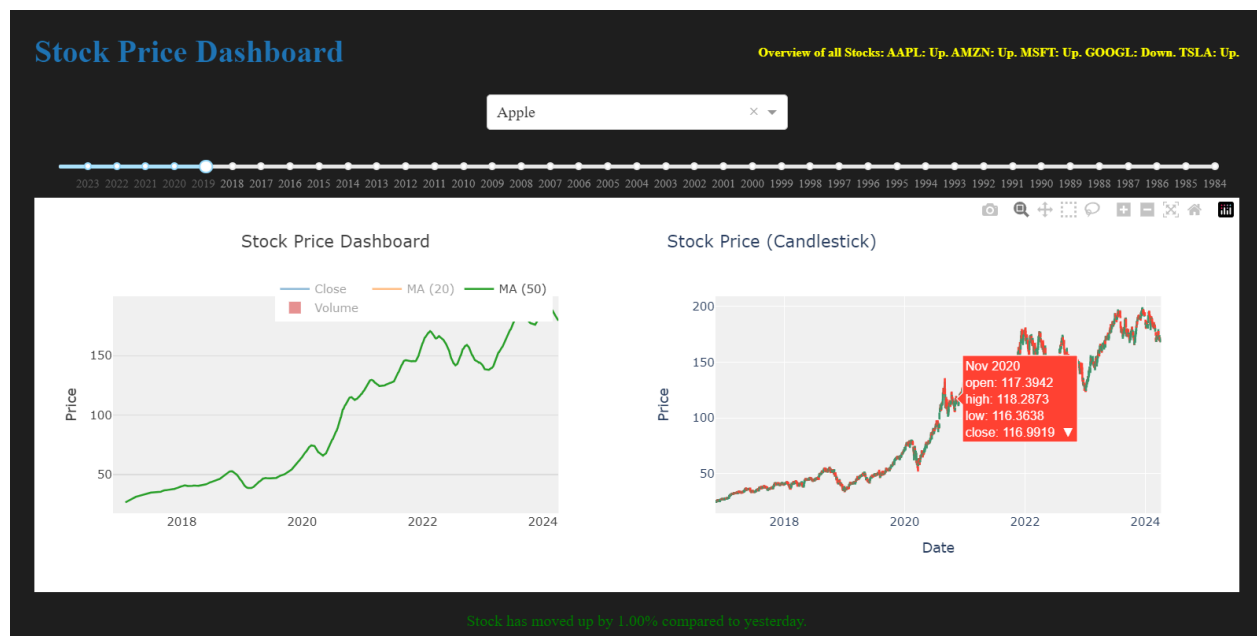


This way, we can also see quantities individually. Eg: Moving average of 50 days:

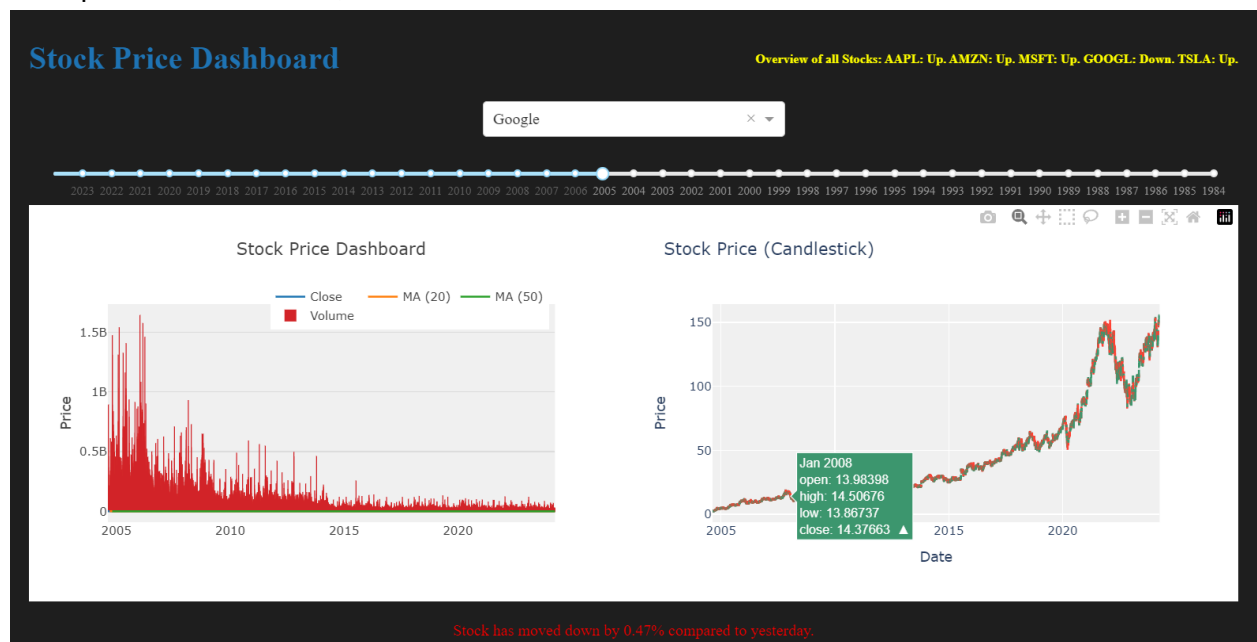


When we render on the plots, we can see the exact values.

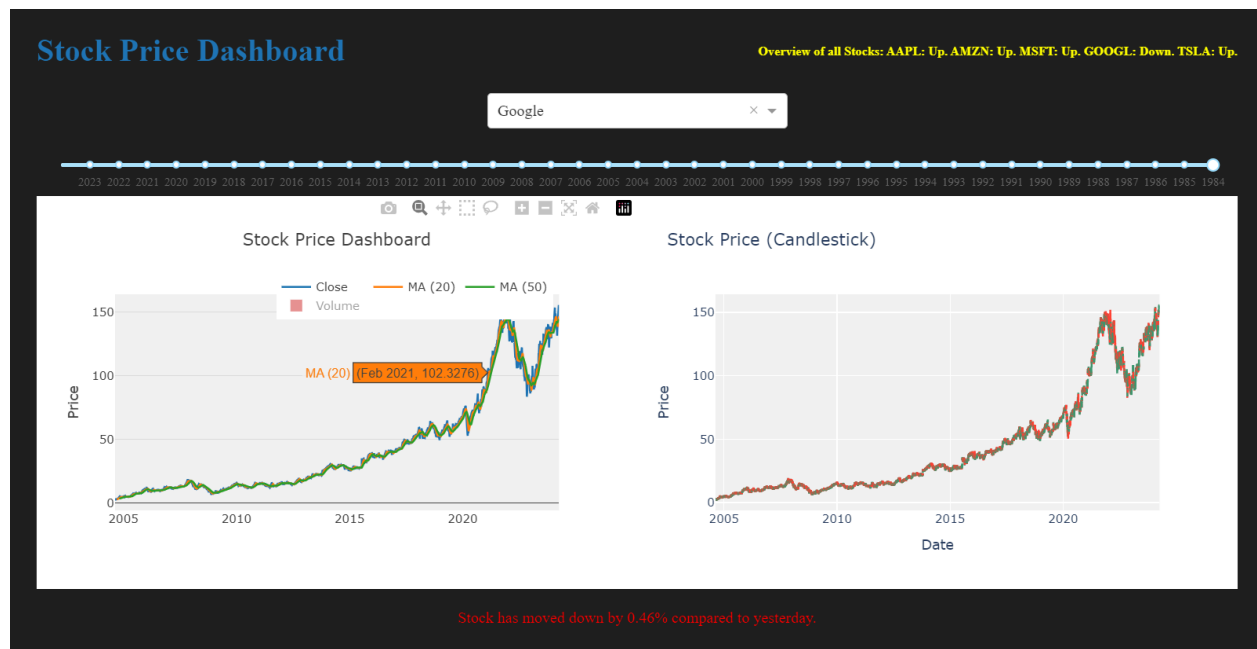
On the right hand side, i have created a candlestick diagram of the stock price and it shows various details on rendering.



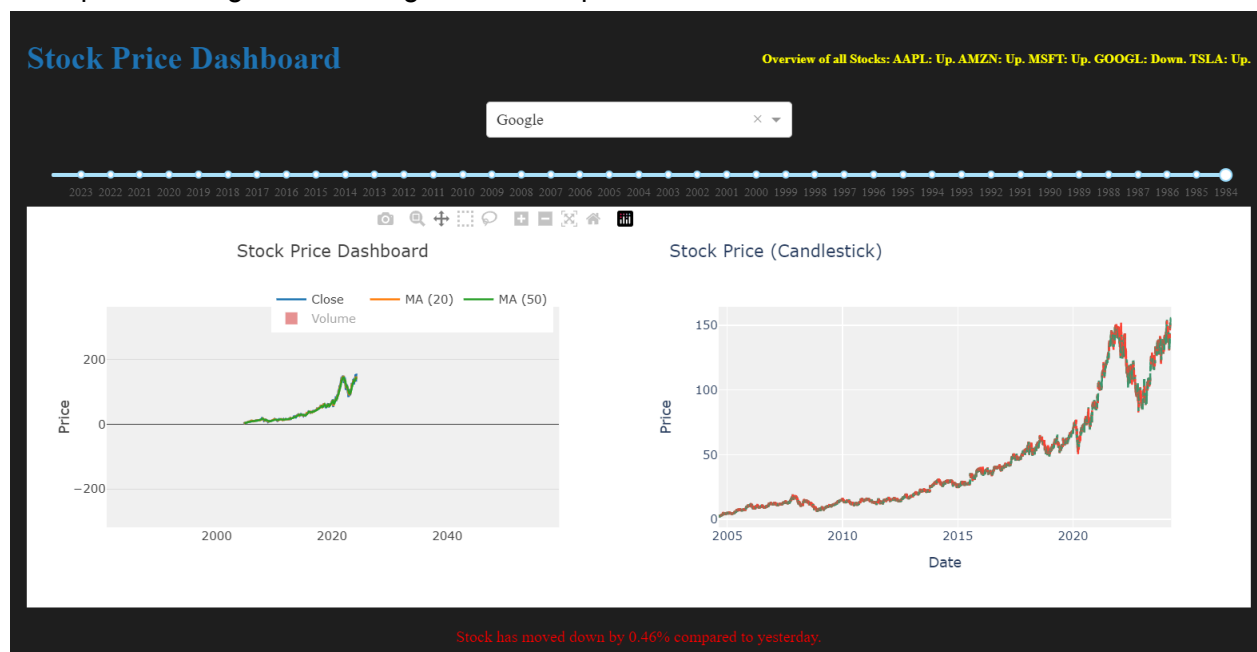
Example of another stock, GOOGLE:



Now, toggling Volume:



Both the plots can also be panned and zoomed in and out.
Example: Panning and zooming out the first plot.

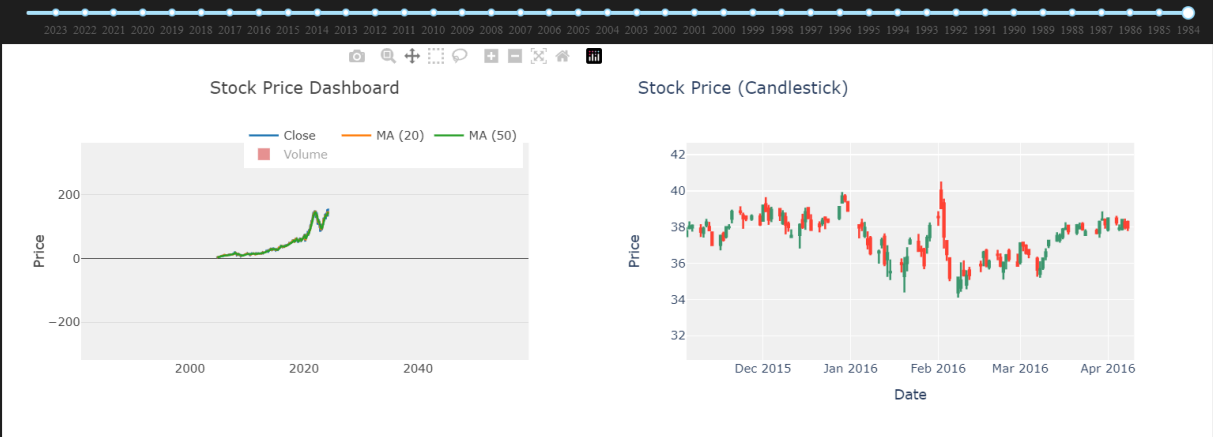


Panning and zooming in the second plot:

Stock Price Dashboard

Overview of all Stocks: AAPL: Up. AMZN: Up. MSFT: Up. GOOGL: Down. TSLA: Up.

Google



Stock has moved down by 0.46% compared to yesterday.