



# Netflix Project

## Stock Price Visualisations

Analyze data with Python (Pandas, Matplotlib)

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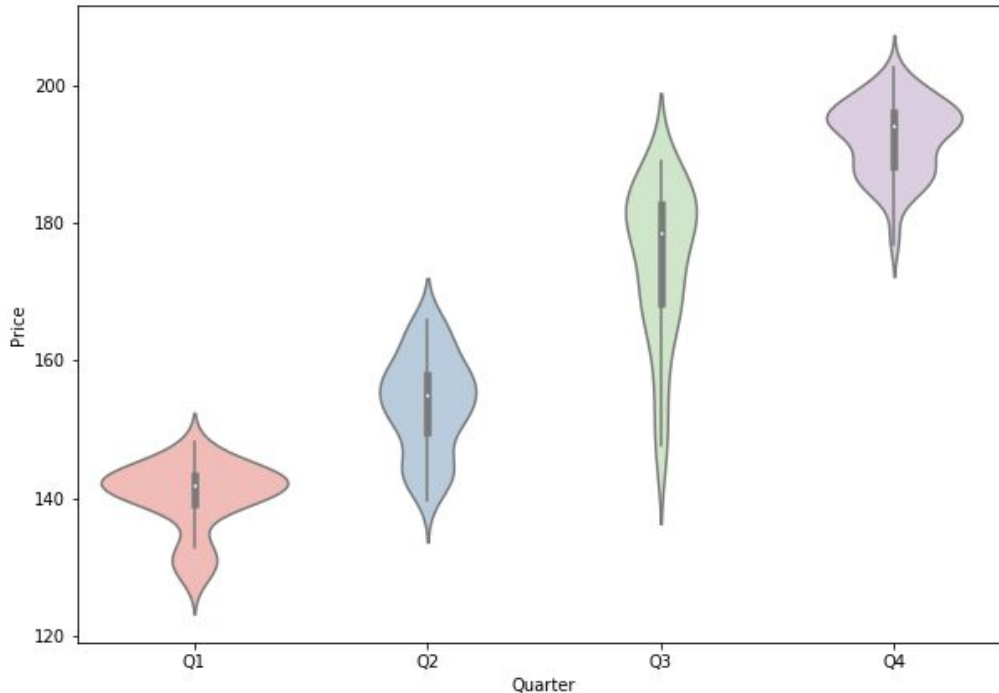
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**Note :**

All analysis and visualisations have been done by Kaustubh Joshi, data visualization developer at Yahoo Finance!

# Stock Price distributions by Quarter (Violin plots)

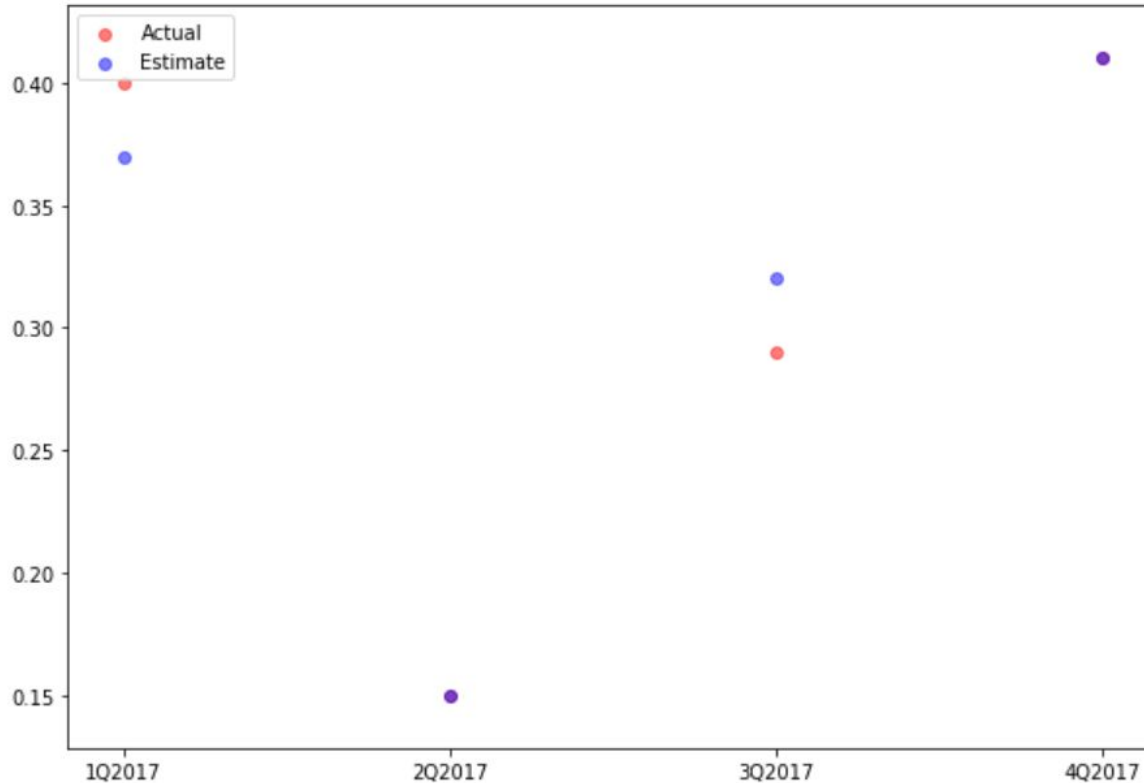


While Q3 showed quite a bit of volatility with large distribution of prices, the stock price showed an overall upwards movement across all quarters

Stock Price range fell between \$140 to \$200 through the year

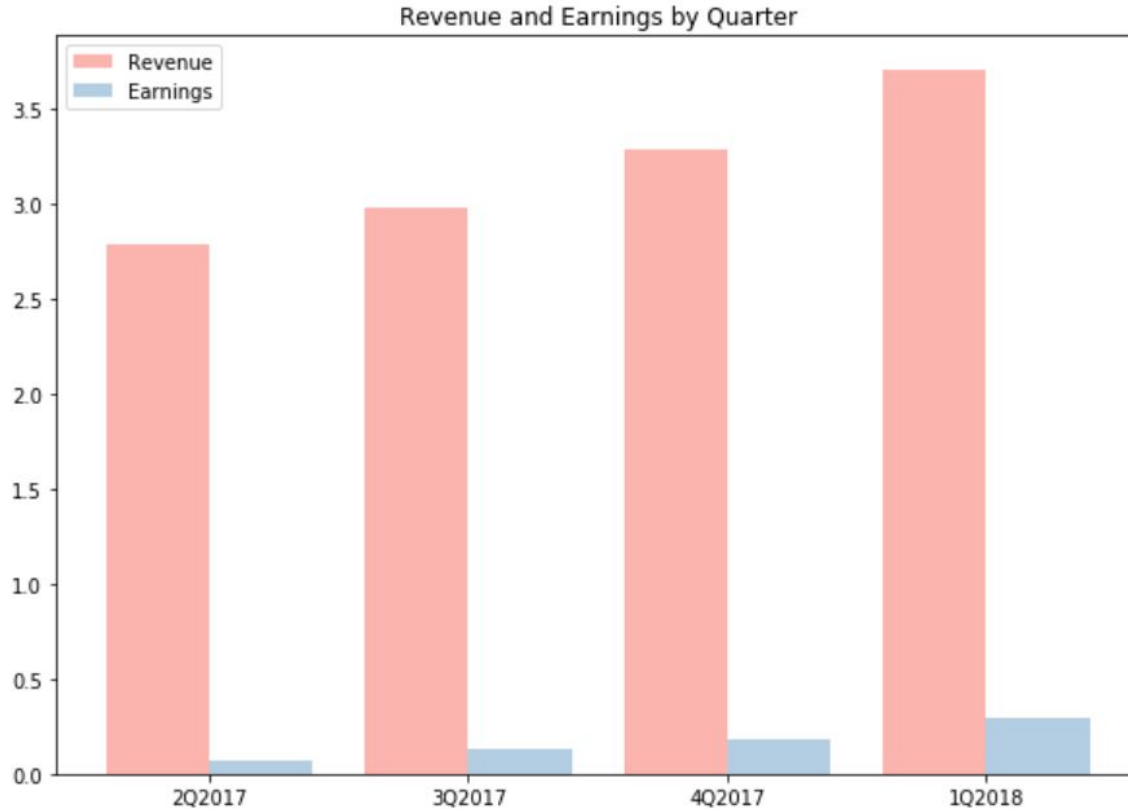
The lowest price was in Q1 and the highest price was in Q4

# Forecast vs Actual Earnings per Share (EPS)



A Scatter plot of Actual vs Forecast earnings per share shows that that yahoo's forecast EPS matched closely the actual EPS, with an exact match in Q2 and Q4 of 2017

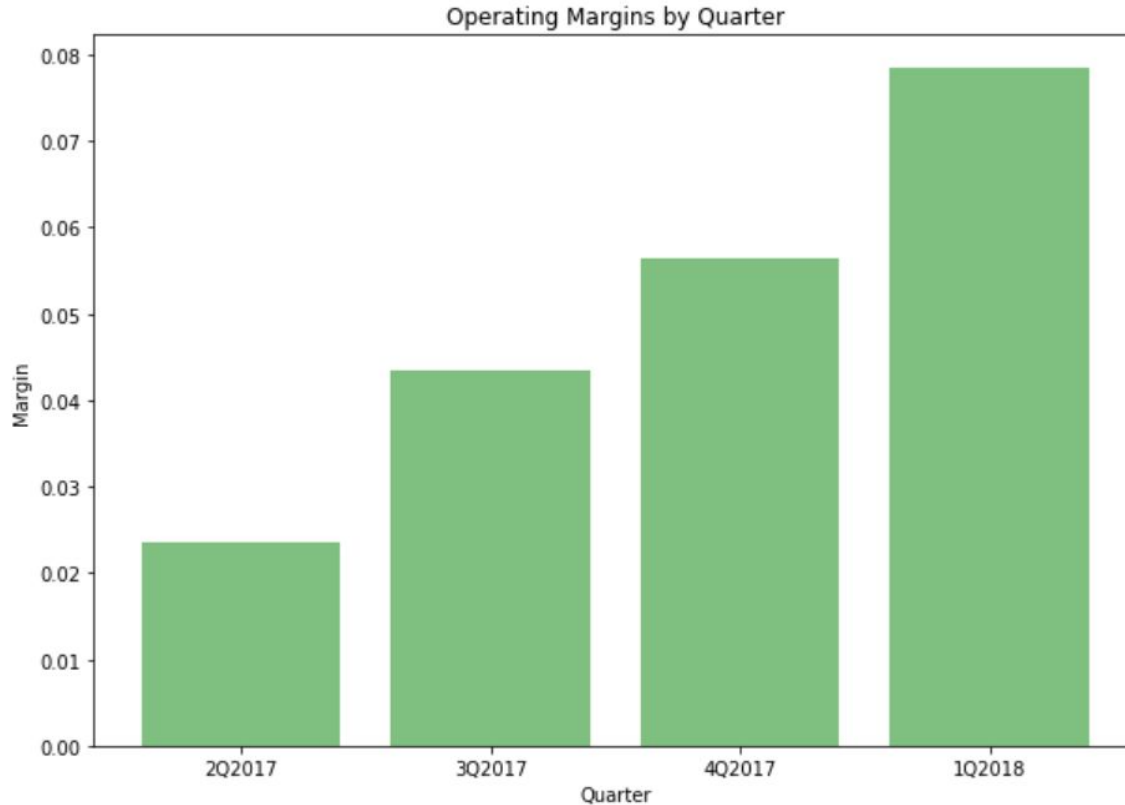
# Revenue and Earnings by Quarter



Both Revenues and Earnings have been increasing Q on Q however, growth in Earnings

Earnings as a percentage of revenues (Operating Margin) has also been growing (refer subsequent slide)

# Operating Margin performance by Quarter



Q1 2.3%

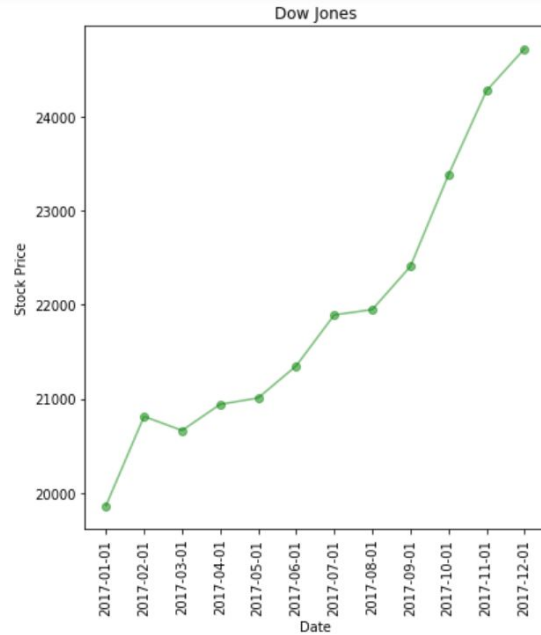
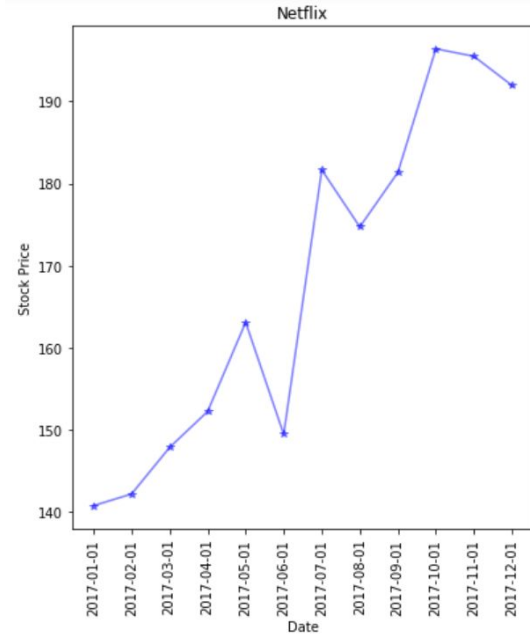
Q2 4.3%

Q3 5.6%

Q4 7.8%

Margins have grown from 2.3% to 7.8% which clearly shows operational improvements.

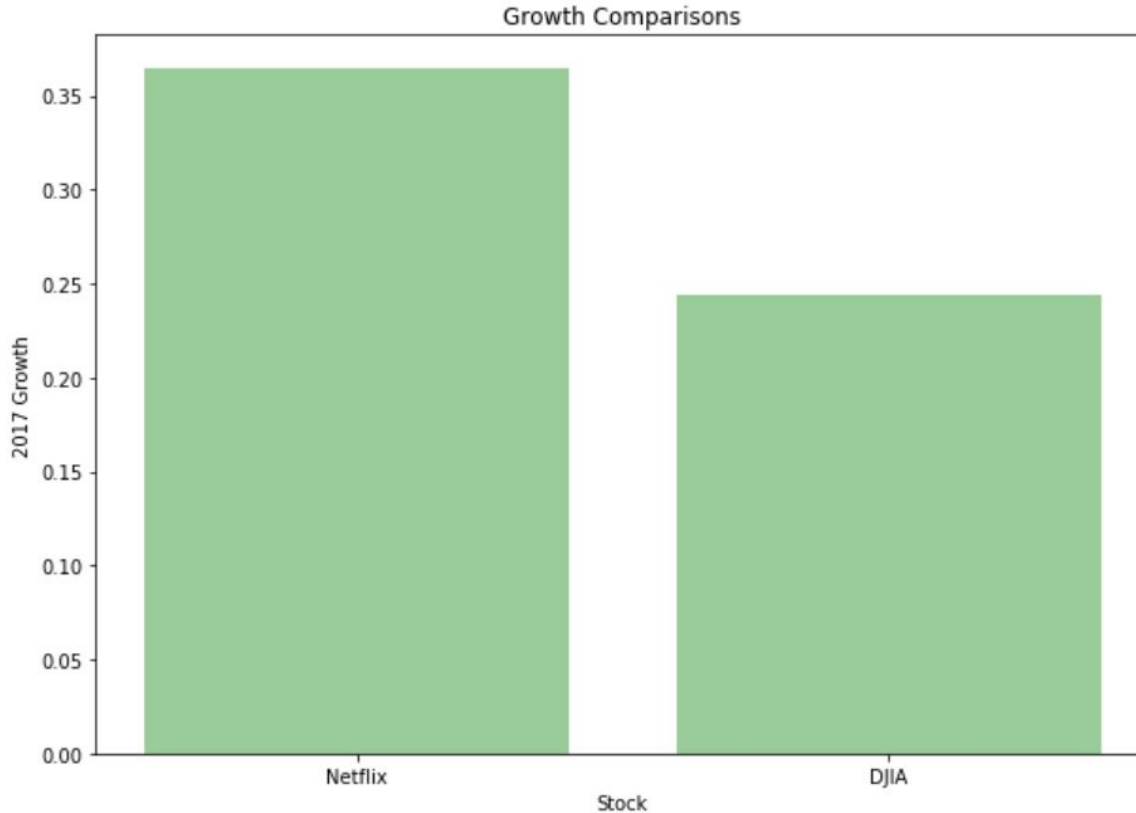
# Netflix vs Dow Jones price performance



Netflix grew steeply as compared to Dow Jones, albeit much more volatility on stock price between the May - Jun - Jul period.

Growth % for Netflix and DJI over 2017 has been plotted in the subsequent slide

# Growth rate comparison vs Dow Jones Industrial Average



Growth % for Netflix and DJI over 2017 has been plotted alongside.

Netflix, in spite of it's volatility, delivered much higher returns than the DJIA