

Codecademy capstone project: Netflix Visualization

Ata Xan

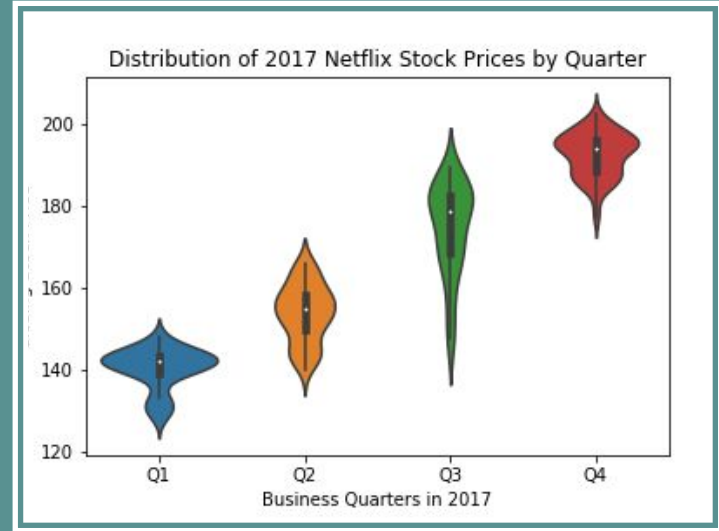


Table of contents

1. Distribution of the stock prices for Netflix in 2017
2. Earning and Revenue Comparison
3. Estimated Vs Actual Earning Per Share (EPS)
4. Netflix Vs Dow jones

1. Distribution of the stock prices for Netflix in 2017

- ❑ This chart represents violin plot for Netflix stock price for each quarter in 2017:
 - ❑ Netflix stock underwent a steady growth throughout the 2017.
 - ❑ Most of the prices fell in the range of 140 to 150 in 2017.
 - ❑ Volatility in quarter three is very high in comparison to others.



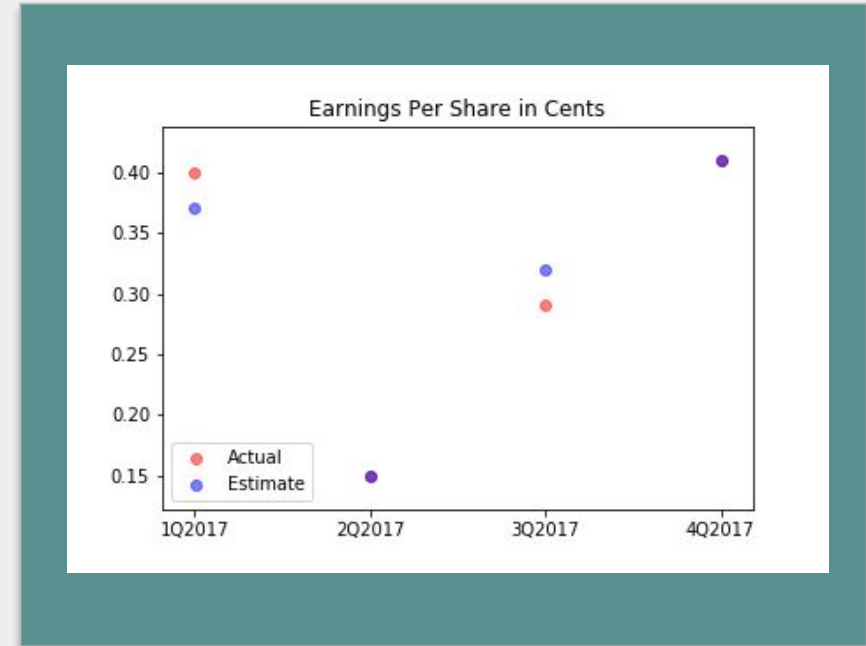
2. Earning and Revenue Comparison

- ❑ This bar chart provide insight into the revenue and earnings of Netflix company in 2017:
 - ❑ Both revenue and earnings increased constantly.
 - ❑ Earnings in the 1Q2018 was the highest and 2Q2017 was the lowest.
 - ❑ In the 3Q2017 Netflix earning was increased by 86% in comparison with the 2Q2017 which was the highest growth rate. 2Q2017- \rightarrow 0.023 3Q217- \rightarrow 0.043



3. Estimated Vs Actual Earning Per Share (EPS)

- ❑ In this scatter plot we see the estimated and the actual eps for 4 quarters in 2017:
 - ❑ Both the 2Q2017 and 4Q2017 were estimated precisely.
 - ❑ Although both of the quarters -1Q2017 and 3Q217- were not estimated accurately, the error is acceptable and the estimations were pretty good.



4. Netflix Vs Dow Jones

- ❑ This visualization shows how Netflix did compared to Dow Jones Index in 2017:
 - ❑ Dow Jones had steadier increase in comparison with Netflix.
 - ❑ In July Netflix experienced very sharp growth
 - ❑ Overall, Netflix follows Dow Jones except for Jun, Aug, Nov, Dec which were not match with Dow Jones Index.

