

Analysis and Visualization

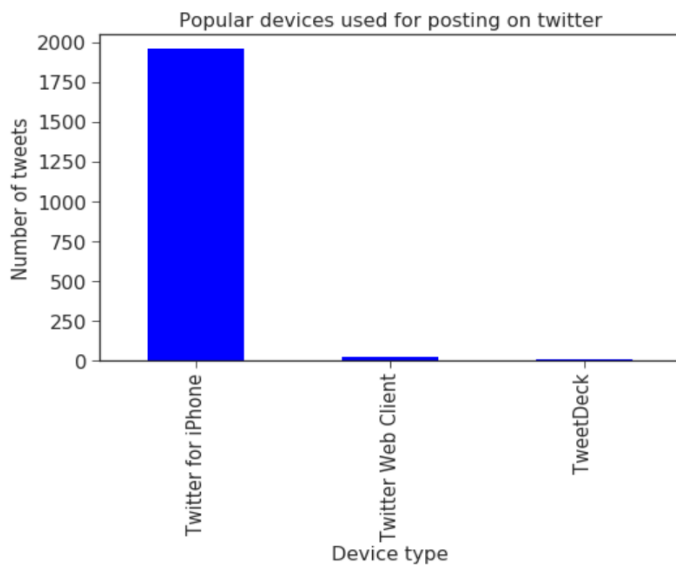
Background of the project

This project was done using a tweet archive of a Twitter user [@dog_rates](#), also known as WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog.

In my data analysis and visualization efforts for this project, I analyzed and visualized the wrangled data. I then produced three (3) insights and one (1) visualization.

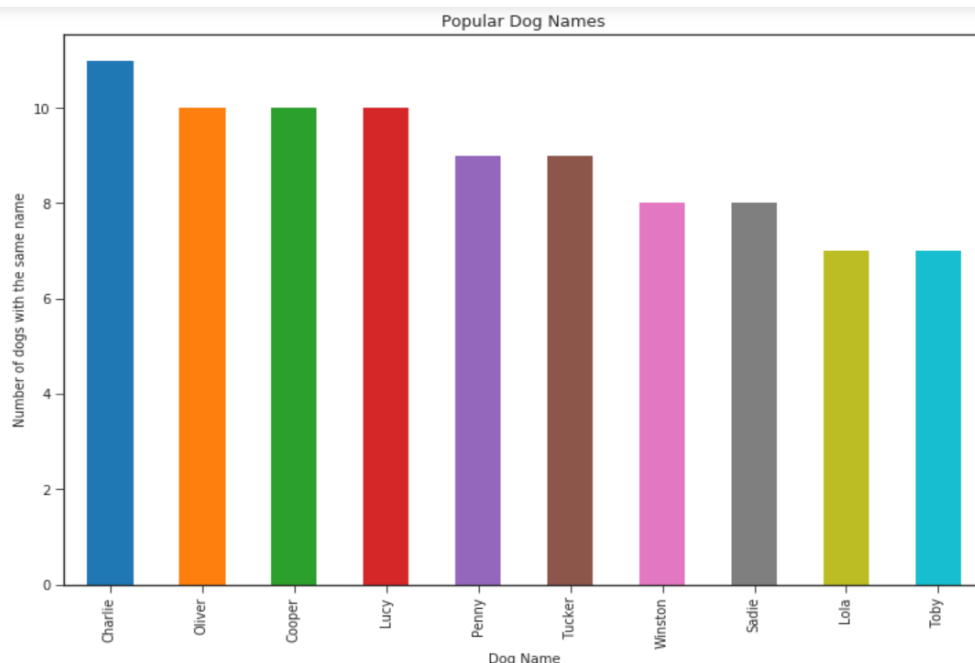


Insight #1 – Popular device used for posting on twitter



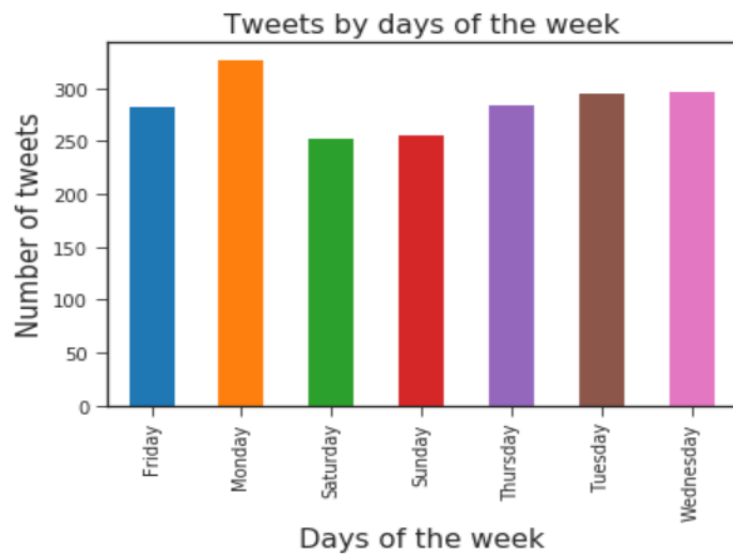
In terms of the above visualization, the twitter for iPhone is the most popular device used for posting a tweet on the twitter platform. The other two devices (Twitter Web Client, and TweetDeck) have very low usage. Popularity was analysed in terms of the number of users who tweeted using a particular device.

Insight #2 – Popular dog names (top 10)



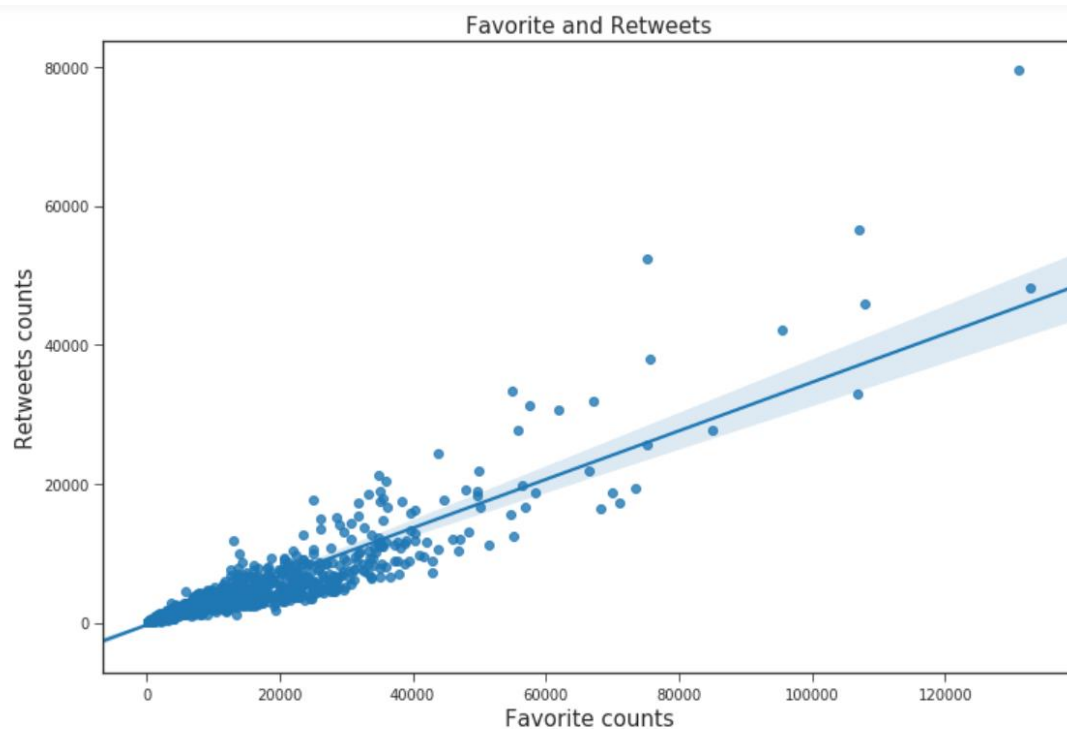
In terms of the above visualization, the popular dog name is "Charlie", followed closely by "Oliver", "Cooper", and "Lucy". The analysis done only shows the top 10 popular dog names based on how many dogs uses a particular name.

Insight #3 – Tweets by days of the week



In terms of the above visualization, the majority of twitter users prefer to post their tweets on during the week, especially on Mondays. Weekends (Saturday & Sunday) have lowest tweets.

Visualization#1 – Correlation between Favorite and Retweet



The above visualization shows that there is a positive correlation between `favorite_count` and `retweet_count`, meaning that when one variable increases, the other variable also increases and vice versa.