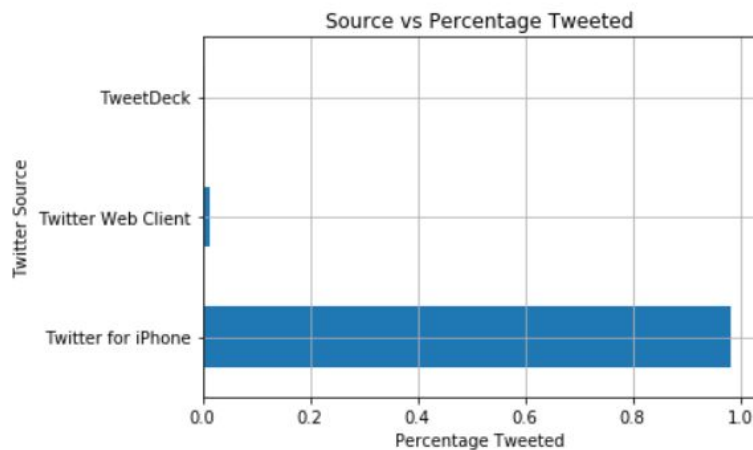


# Analysis of WeRateDogs Twitter Archive

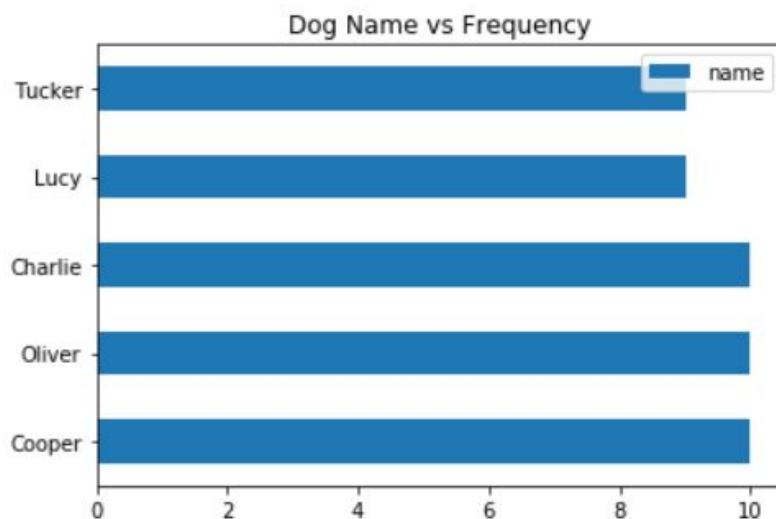
We have analysed and visualized the following as a part of the Data Wrangling assignment of Udacity Nanodegree course.

## 1. What is the most used Twitter source? Plot a visualization for percentage-wise usage



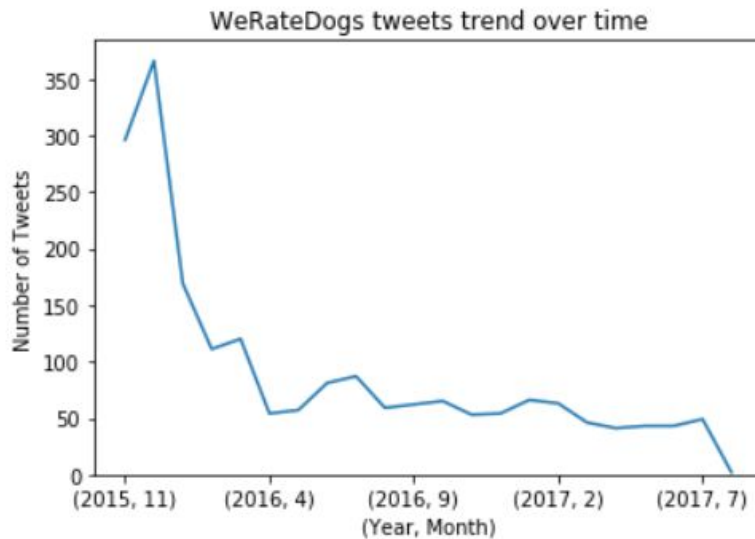
From the above bar plot we can clearly see that 98% of the time WeRateDogs twitter account had tweeted from **iPhone**, 1.4% from **Twitter Web Client** and 0.5% from **TweetDeck**.

## 2. What are the top 5 common dog names? Plot a visualization for dog Name vs Frequency.



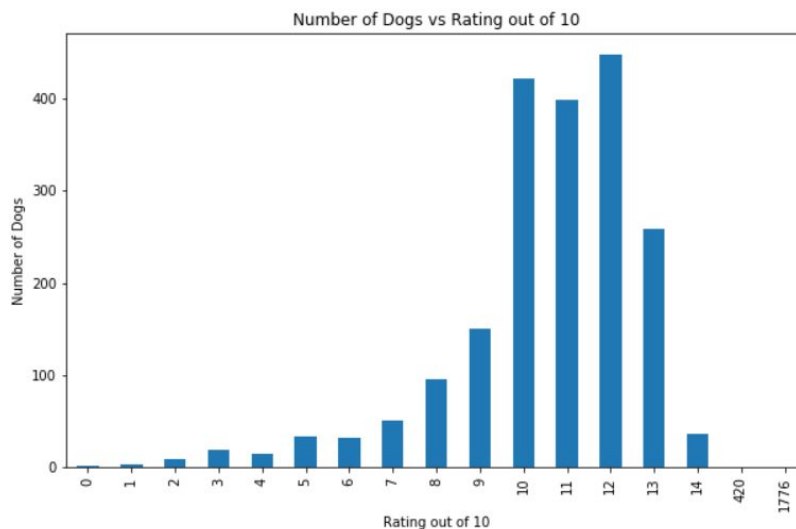
From the above bar graph we can understand that most common dog names are 'Charlie', 'Oliver', 'Cooper', which were observed 10 times in our dataset. Next most common names are 'Lucy', 'Tucker' which were found 9 times in our dataset.

### 3. How does the number of tweets posted over time look like?



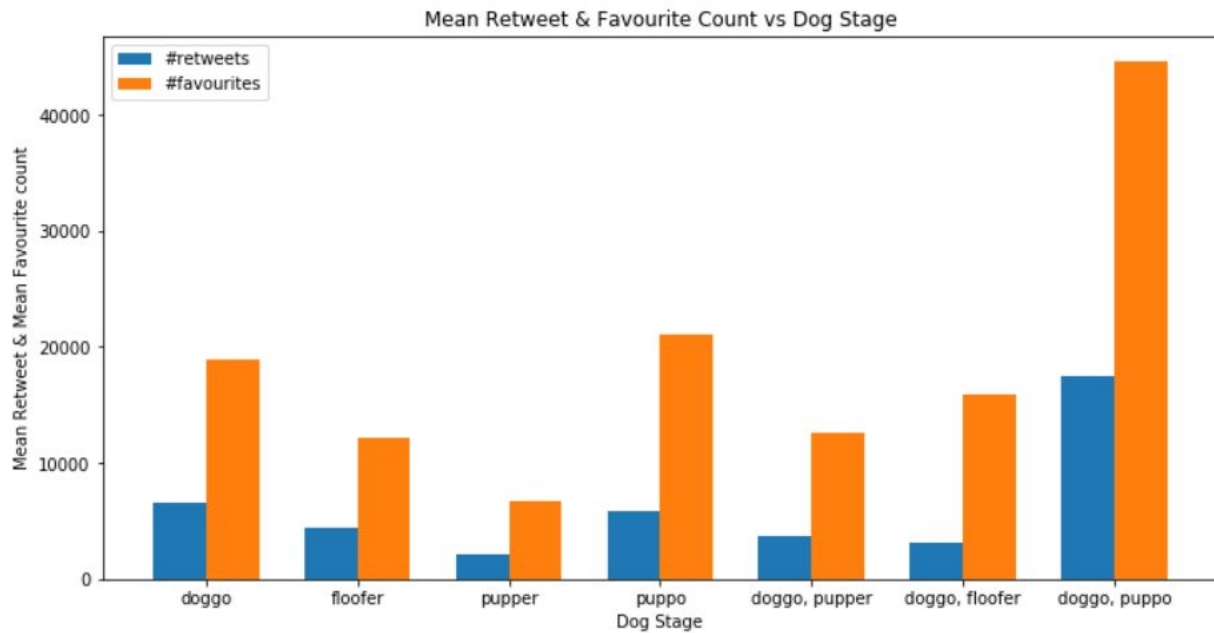
From the above line chart we can understand that WeRateDogs has opened the twitter account in 2015. It has tweeted 300-50 tweets in around November and December of 2015. But, it's tweeting has reduced significantly by March 2016. Even after that the number of tweets from this account has reached 0 in July 2017.

### 4. What is the most common rating for a dog and how does the rating trend look like?



From the above bar graph we see that most of the dogs are rated 12/10 (448 out of 1987 dogs). Highest rating can be thought as 14/10 (as 420/10 and 1776/10 are just 2 records and can be treated as outliers). This highest rating of 14/10 was achieved by 1.8% of the dogs (36 out of 1987 dogs).

## 5. Which dog stage has most retweets and favourites?



In the above bar graph we see the number of retweets and favourites for each dog stage. Most retweets and favourites (retweets > 17000 and favourites > 40000) were for the 'doggo, puppo' stage followed by 'puppo', 'doggo', 'doggo, floofer', 'floofer', 'doggo, pupper' and 'pupper'.