

# WeRateDogs Twitter Analysis

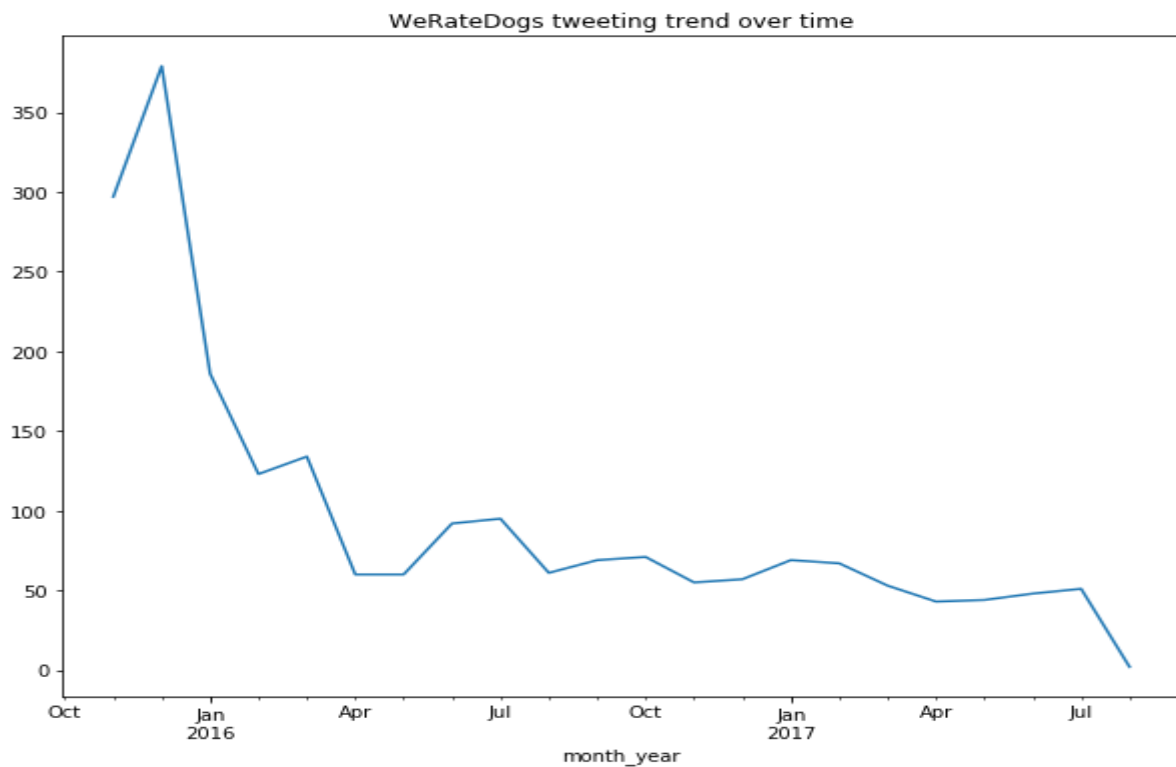
WeRateDogs is a Twitter account that posts and rates pictures of dogs. These ratings often are not serious and have numerators that are greater than the denominators. In this analysis, we study the tweets WeRateDogs's archive from October 2015 to the August 1, 2017. Most of the necessary Twitter data was downloaded from Udacity data analyst nanodegree. Furthermore, Udacity executed the images on WeRateDogs's account through a neural network to produce three predictions for each image. The process of data wrangling allows to cleaning the data and provides insights about it.

The following questions can be resolve using the final dataset:

- What is WeRateDogs's tweeting overtime?
- What is the most popular months of the serie?
- What are the most comun dogs names?
- What is the correlation between favorites and retweets?
- What is the distribution of breed and favorites and retweets?
- What is the proportion of Sources?
- What is the dog rating distribution?

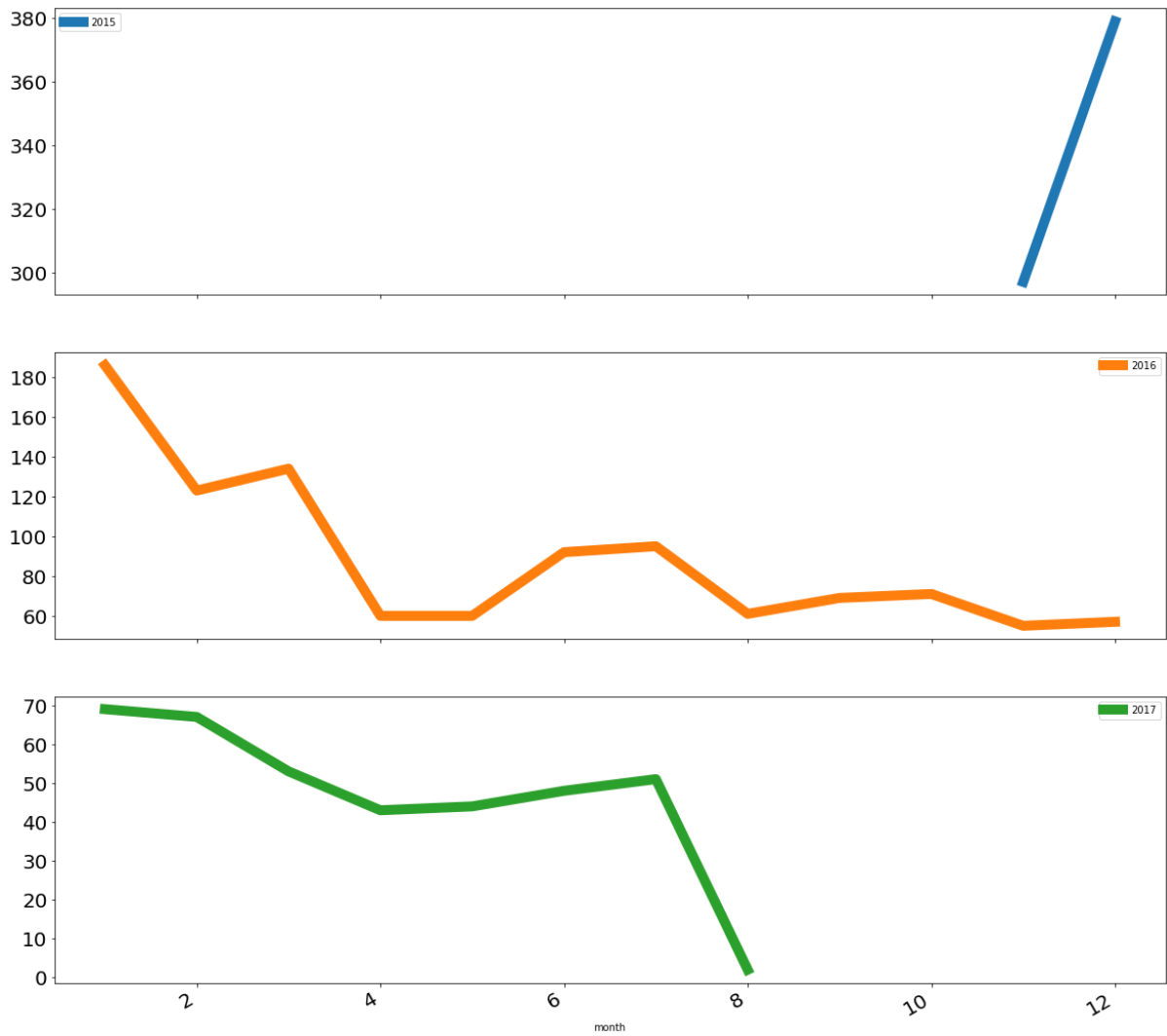
## 1: What is WeRateDogs's tweeting overtime?

According with plot we can notice that the number of tweets on WeRateDogs has decreased from the month that account started with a peak of 350 to around 50 in the latest month. The trend month by month shows that the number of tweets reduce drastically only a few months after the account was initiated. My analysis is only focus in the original content with images and the retweets are excluded. The overall tweets are not included. We cannot confirm that there are no other interactions such of retweets and the activity could be significant.



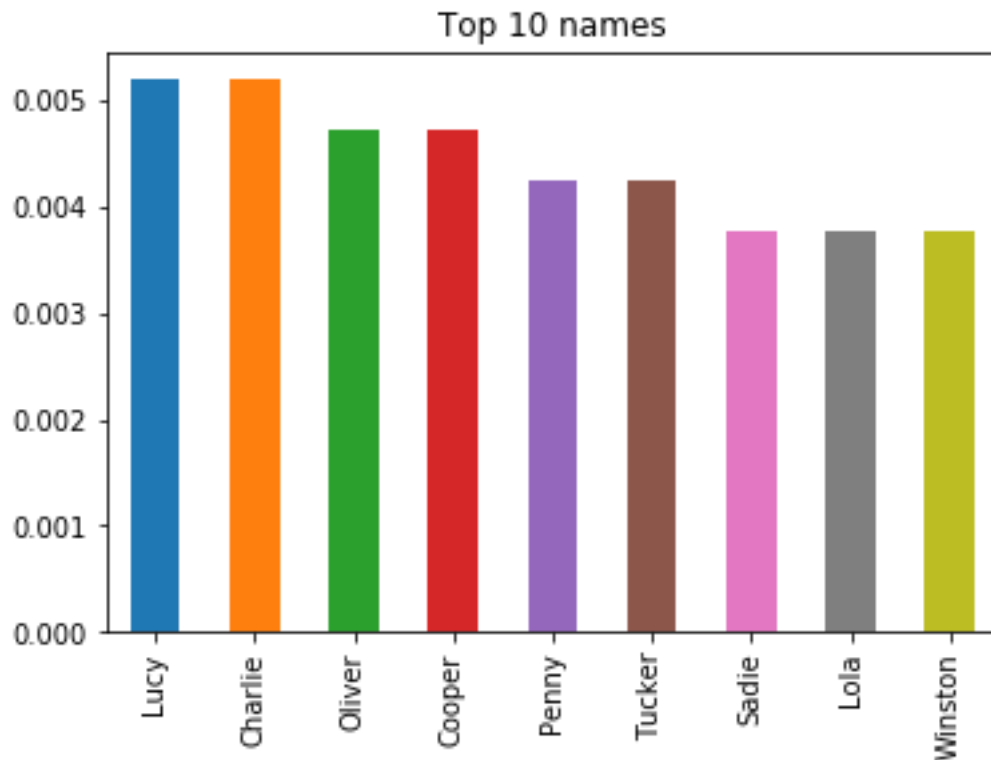
## 2: What is the most popular months of the series?

When we split by years the time series to see number of tweets cannot appreciate any patterns in terms of the months with large number of interactions or tweets. The behaviour doesn't changes according with the season.



### 3. What are the most common dogs names?

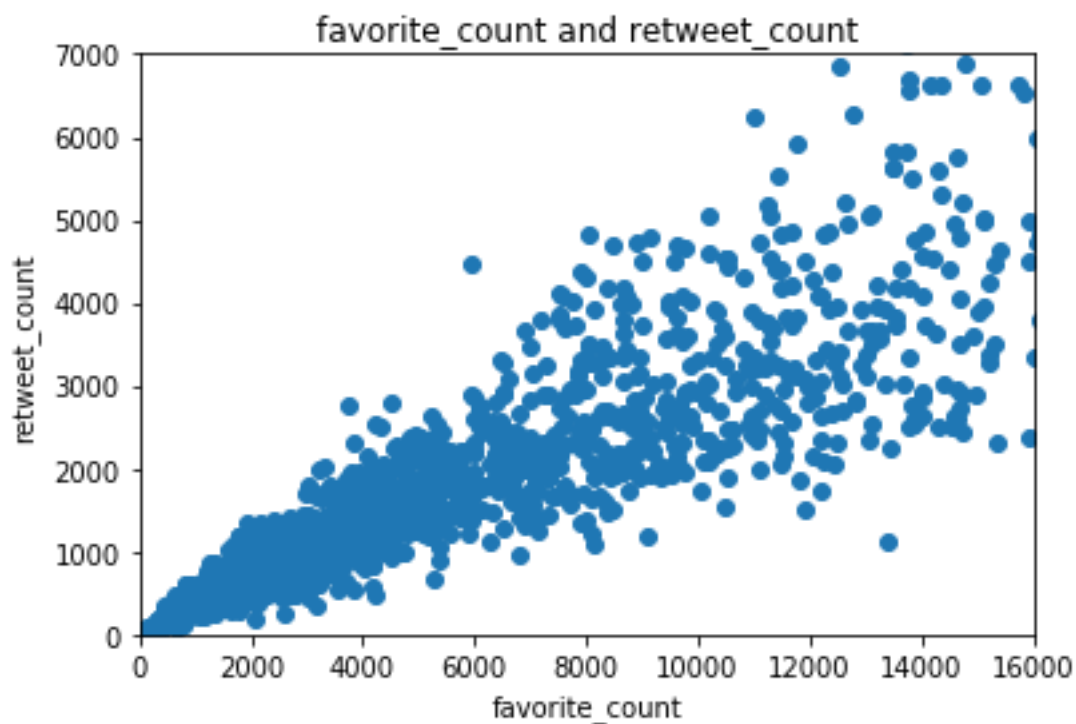
Within the top 10 names more popular we can find: Lucy, Charlie, Cooper, Oliver, Tucker, Lola, Sadie and Winston



#### 4. What is the correlation between favourite's and retweets?

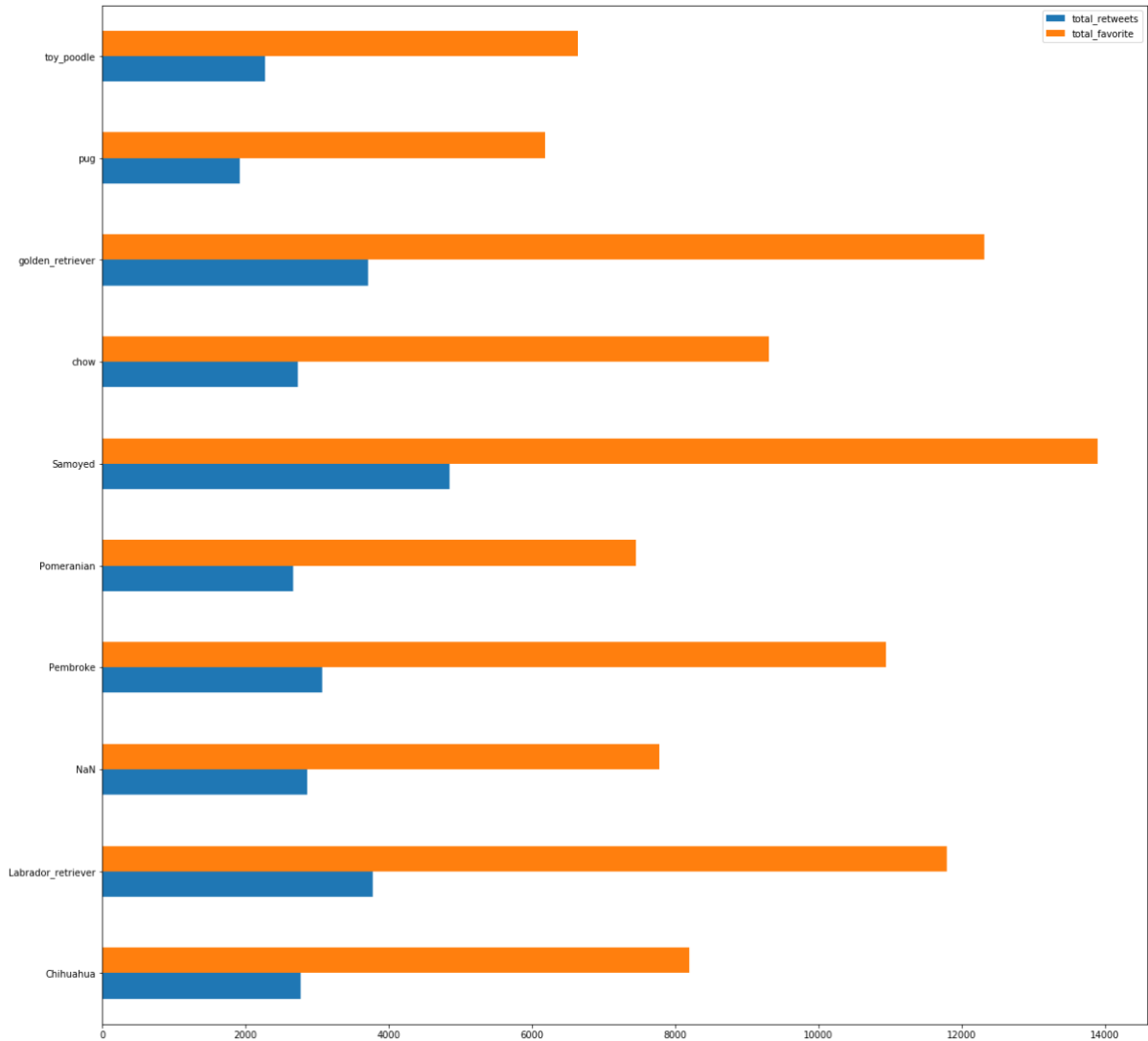
The correlation map shows a positive correlation between the 2 metrics. If the number of retweets is increased the favourites grows at the same time.

- **dogo realizing that he can stand in pool** was retweeted the most with 78,809.
- **a dog marching in the 2017 Women's March** was favourited with 131,903.



## 5. What is the distribution of breed and favourites and retweets?

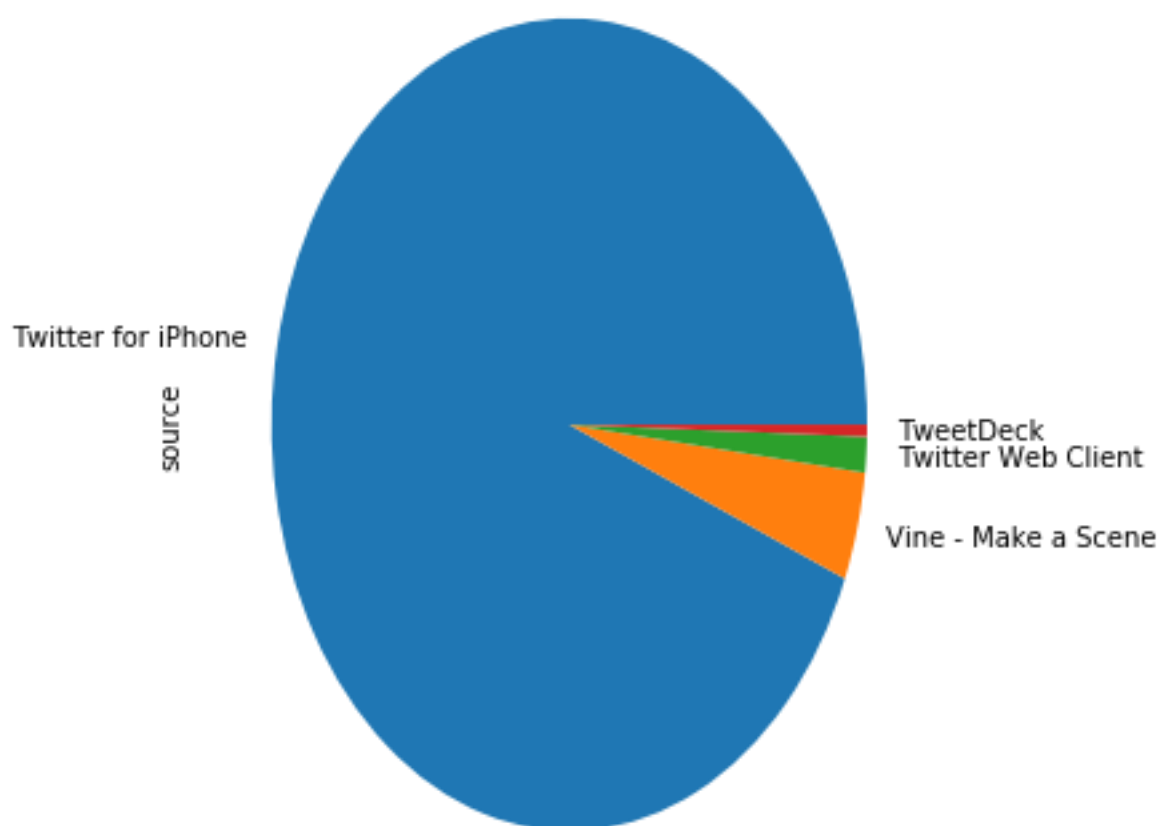
When we look at the distribution by breed that the breeds with highest values in retweets are also the highest values in favourites. That reveals the positive correlation between the 2 metrics even when we show the data break down by another categories.



## 6. What is the proportion of Sources?

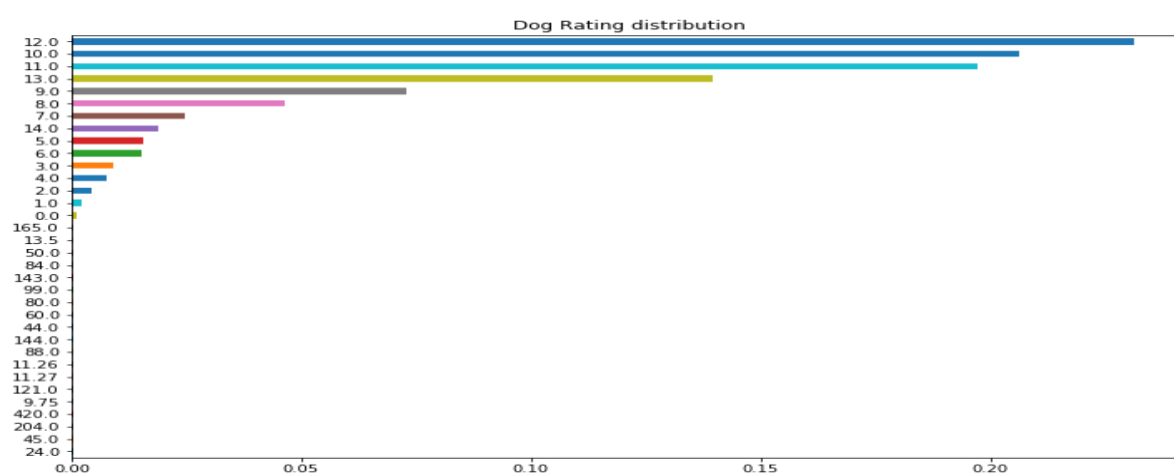
The majority of the sources used to that interact with the account WeRateDogs are iPhone users

Proportion of Sources



## 7. What is the dog rating distribution?

More than 75% of the tweets have rating around 12/10 as a value. The page start with small rating but by the time the trends shows a rating numerator higher than rating denominator.



## Conclusion

The Twitter account WeRateDogs (@dog\_rates) is loyal to jovially reviewing pictures of dogs with funny postures. Dogs images are rated on a scale of one to ten, but are regularly receiving ratings highest to the maximum, such as "13/10". It has gained more 4.50 million followers since the account started.

If you are thinking of collaborate and get dog, take pictures, send it to @dog\_rates and get hilarious comments with high rates