

WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. As it might be obvious, because "they're good dogs." WeRateDogs has over 4 million followers and has received international media coverage.

We will dive into analysing our cleaned data and conduct some insights by visualizing it properly.

Visualization and Insights

We will conduct our analysis and visualization of those data by asking ourselves common related questions referring to the data :

What is the most source used by followers to share their dog's ?
then diving to check :

-Interaction and average distribution of retweets and favorites across the tweets shared by each source.

What is the most popular day/month to post a dog photo ? What is the most tweeted common breed in the data ?

Then check the interaction With Different Dog breeds on average of both retweet counts and favorite counts.

What is the most common Dog name shared ?

What is the most common Dog stage ?

Examining the Rating Variance TimeSeries

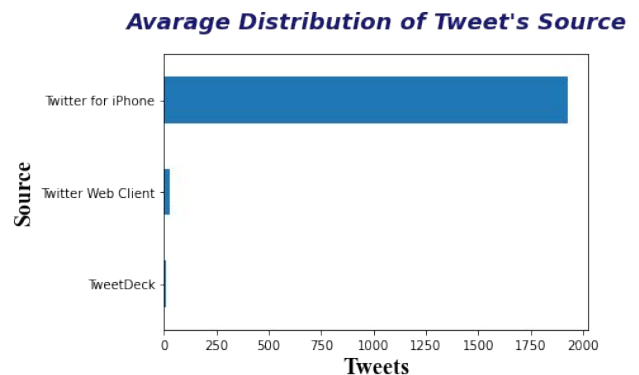
Who is the Top retweeted and/or favorite dog ?

Which Dog got highest rate ?

What is the most source used by followers to share their dog's ?

As we see in **Figure(1)** :

Most common source used for tweeting our data comes from large portion of **iPhone** users and **less** user tend to use **Twitter web** and **TweetDeck** for tweeting their **dog's pictures**.

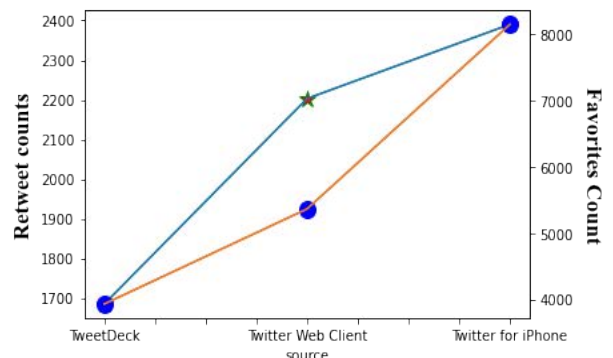


-Interaction and average distribution of retweets and favorites across the tweets shared by each source :-

Figure(2):

Represent the average interaction on the tweets shared by different resources.
the **orange** line (retweets) and the **greenlight** line (favorites) plot shows us that the tweets that comes out from an iPhone got the highest favorite and retweet count in average comparing to the tweets shared by other sources.
It also shows us the correlation between figure(1).

Average Distribution of Retweets and Favorites across Tweet's source



➤ From the figures above we can conduct that most of twitter user's mainly using iPhone.

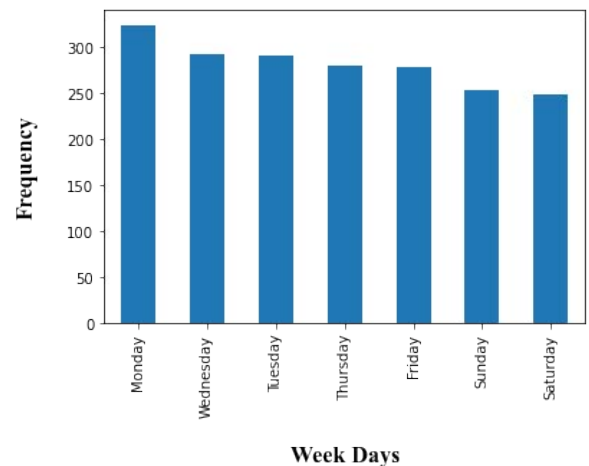
What is the most popular day/month to post a dog photo ?

Figure(3):

Shows most popular day user's tend to tweet thier dog's picture.
and as we can see it's not that far from each other but **Monday** captures the highest tweet frequency during week days.

It could indicate that most of the user's are off (not working day) for them so they enjoy their time sharing thier good moments with thier dogs.

Distribution of Tweets over Days

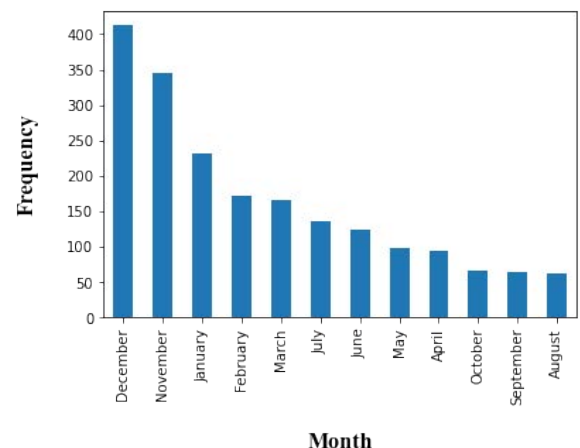


Figure(4)

Illustrate the distribution of those tweets from our data over months and it indicates that the most common month for user to tweet is **December**.

that could be because on December it's the chrasmas time and people tend to take vacation on most and go out shareing thier good moments.

Distribution of Tweets over Months

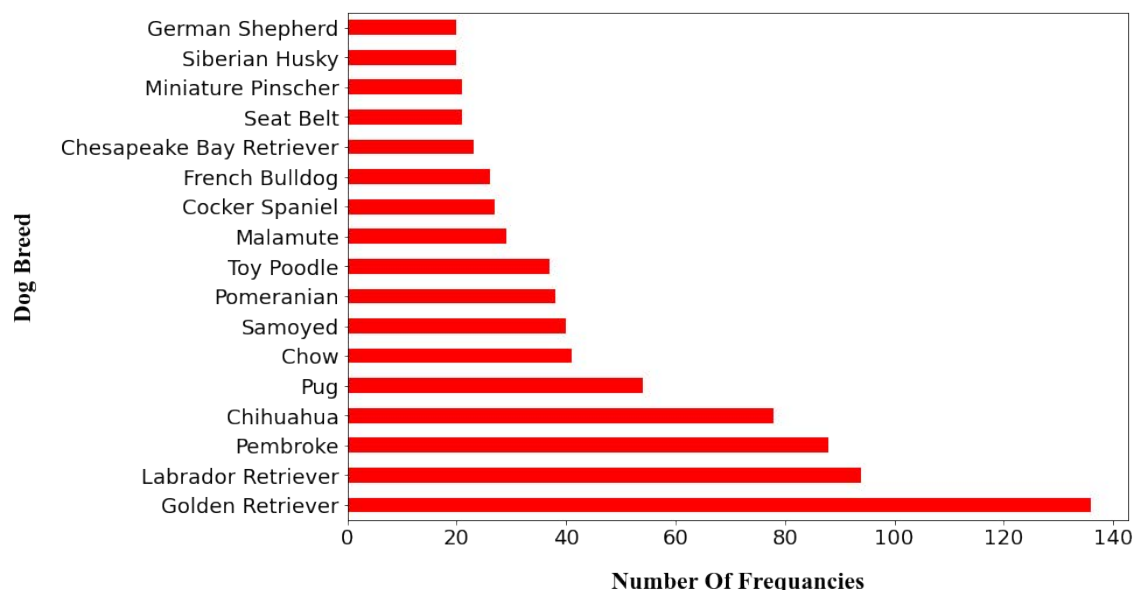


What is the most tweeted common breed dog in the data ?

Figure(5):

Show us the most common breed dog frequency in our date relative to each tweet and as we can see "**Golden Retriever**" dog breed with the most presence in our data and comes after it "Labrador Retriever" and so on.

Most Common Breeds



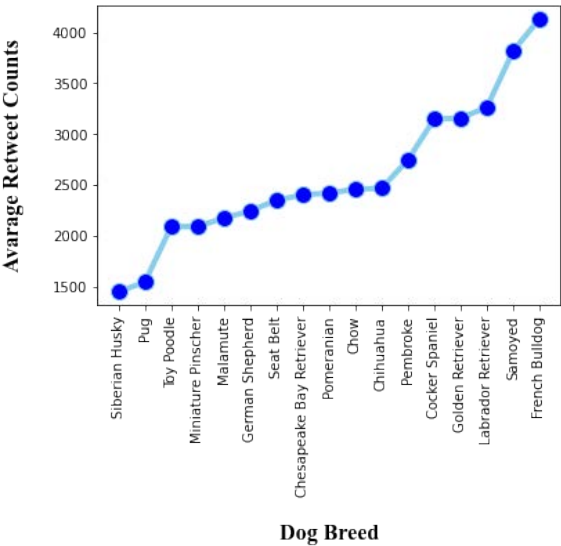
The interaction With Different Dog breeds on avarage for both retweet counts and favorite counts.

Figure (6) and (7):

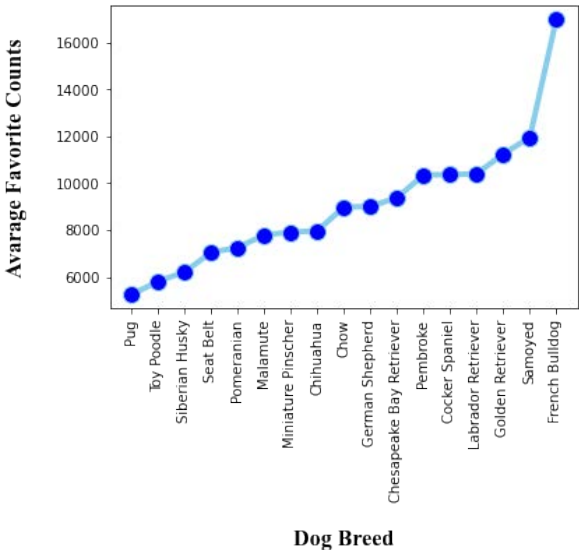
Show us the interaction on each breed dog classification of those dog pictures tweets shared in terms of avarage retweets and favourites counts they got.

Surprisingly as we did not expect we thought the result will be close to what we found about the previous figure that showed us that the most common breed dog in our data was "Golden Retriever" dog breed but here this graph indicated that the dog breed classification of dog's pictures with the highest interaction level on both avarage retweet counts and favorite count is "French Bulldog", but wait "Golden Retrriver" still leveraging he is ranked 3 in term of Favorite counts and 4 in term of Retweet counts, also we can see others like "Samoyed" ranked 2 and "Labrador Retrriver" with rank 4 in terms of favorites and 3 in term of retweets.

Breed Dog - Avarage Distribution of Retweet Counts



Breed Dog - Avarage Distribution of Favorite Counts

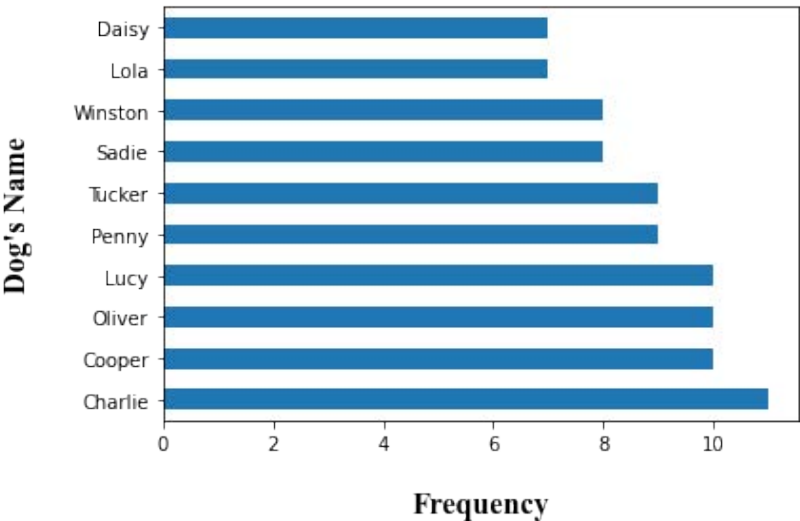


What is the most common Dog name shared ?

Figure(8):

It shows us that the most commonly used dog name in our tweets data is "Charlie" then "Cooper", "Oliver" and "Lucy" respectively.

Most Common Dogs' Names

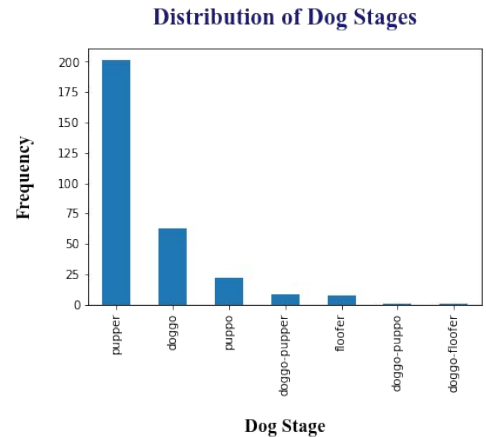


What is the most common Dog stage ?

Figure(9)

Viewing the distribution of dog stages in our data, and with the most common presence comes "Pupper" with the highest frequency.

Note : there was a lot of missing values of dog stages in our data, so this can not be viewed as a conclusion or something rather than just observation for predicting and optimal use of even the smallest categorical data we have.



Who is the Top retweeted and/or favorite dog ?

A Video for this fantastic dog swimming well in a pool captures the intention of the followers with 13m video viewers. This dog's retweets reached 74,905 with favorite count of total 151,320 and got a rate of 13/10.

```
13.0    No of retweets is : 74902.0,  
rating_ No of favorite_count is 151320.0
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Examining the Rating Variance TimeSeries

Figure(10):

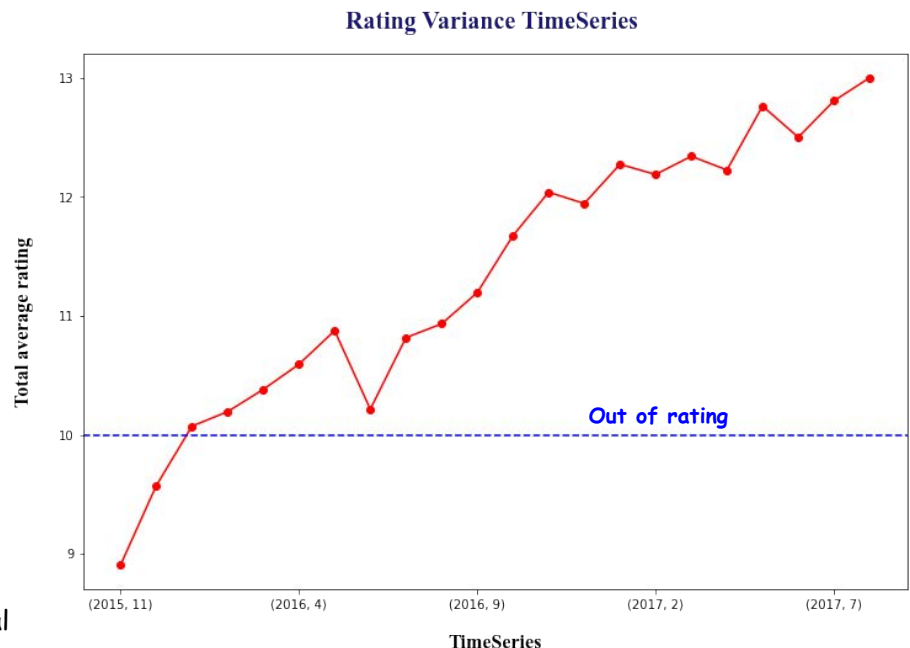
as we can see average rating observations increases as time goes up and crossing the rating standard rate(denominator) of 10.

Why? let's see :

- As the influence of this trended tweets increase people tend to leverage their rating as well.

- Also it's explained in the following statement by Twitter :

"WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because "they're good dogs Brent." WeRateDogs has over 4 million followers and has received international media coverage."



One of the dogs with highest rate ?

This cute dog "**Cassi**" got 14/10 rate as you can see in that picture with 6,431 retweets and 29,074 favorite counts. (some other dogs got this rating as well put it's an example for review) .

