

# WeRateDogs Twitter Analysis

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One of the main characteristics of the WeRateDogs twitter account is that they give a rating of the photos of the dogs, but in this rating the numerator is greater than the denominator. As a general rule, the numerator is greater than 10 and the denominator is equal to 10, but this is not always the case. The data to perform the analysis was supplied by Udacity, only included tweets from November 2015 to August 2017 and after a process of gathering, exploring and cleaning it, we want to show the results of that analysis.



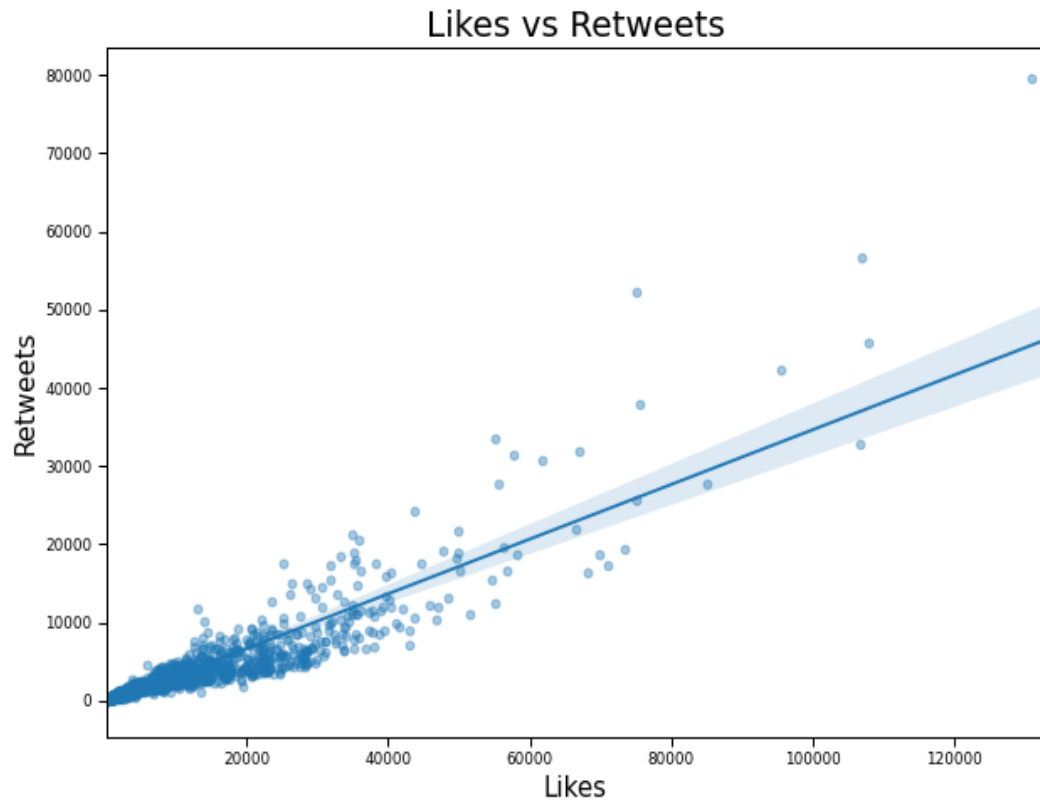
## Question 1: What are the top 10 dog names with the most number of tweets?

In the table shown we can see that the name of the dog with the most tweets is Charlie with eleven tweets, folow by Lucy with ten tweets and Oliver.

	name_dog	count
0	Charlie	11
1	Lucy	10
2	Oliver	10
3	Cooper	10
4	Tucker	9
5	Penny	9
6	Winston	8
7	Sadie	8
8	Daisy	7
9	Lola	7

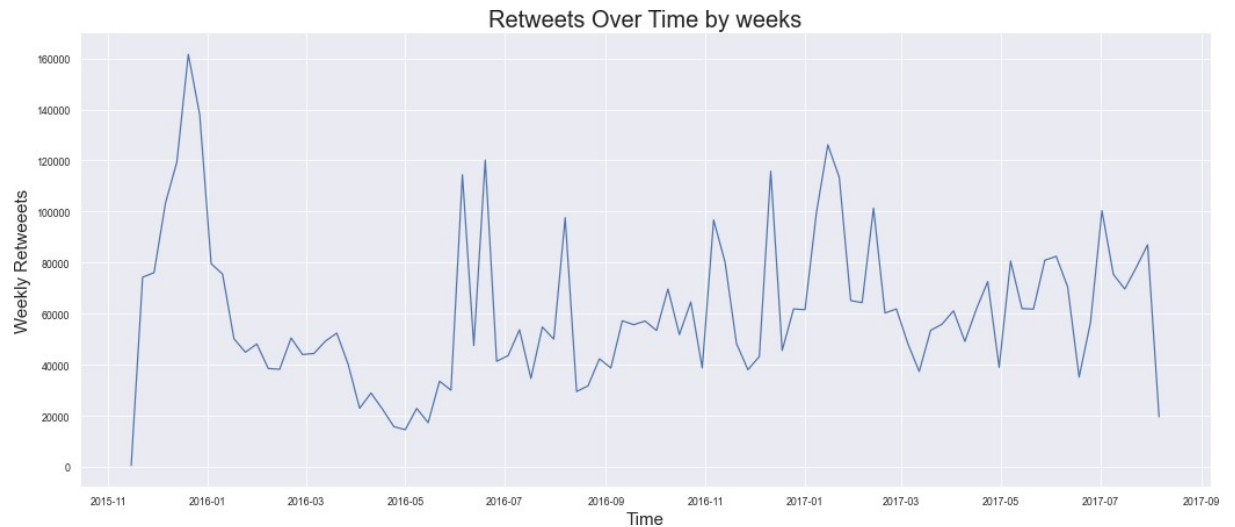
## Question 2: What is the Correlation between likes and retweets?

We found that there is a strong positive correlation between likes and retweets



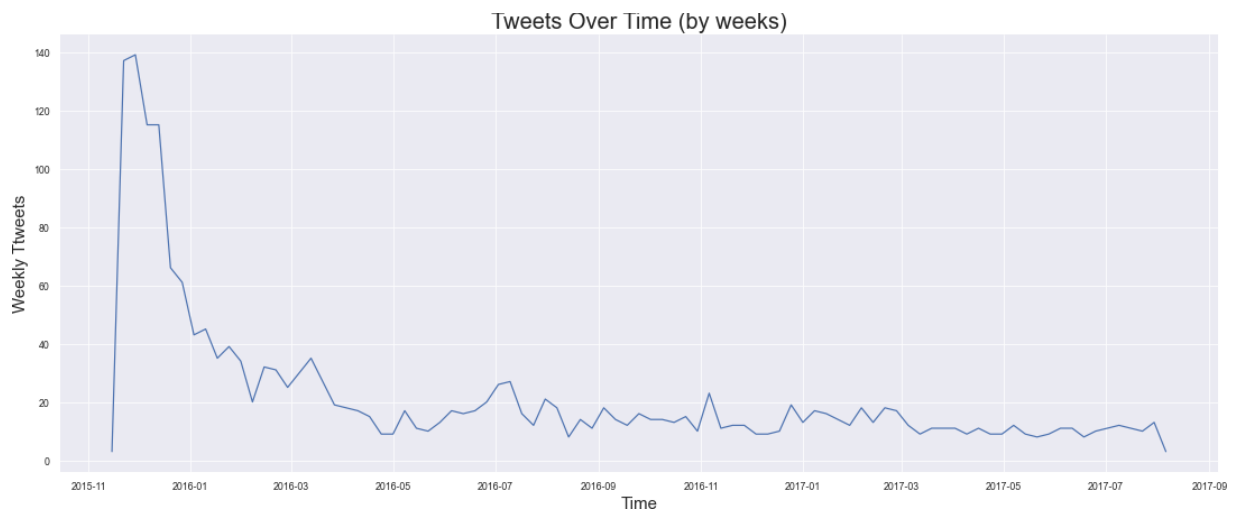
### Question 3: What is the weekly trend of retweets in WeRateDogs over time?

There is not a clear trend in the weekly number of retweets over time. We observed a big peak of the weekly retweets during the 2015-12-27 (137,876 retweets).



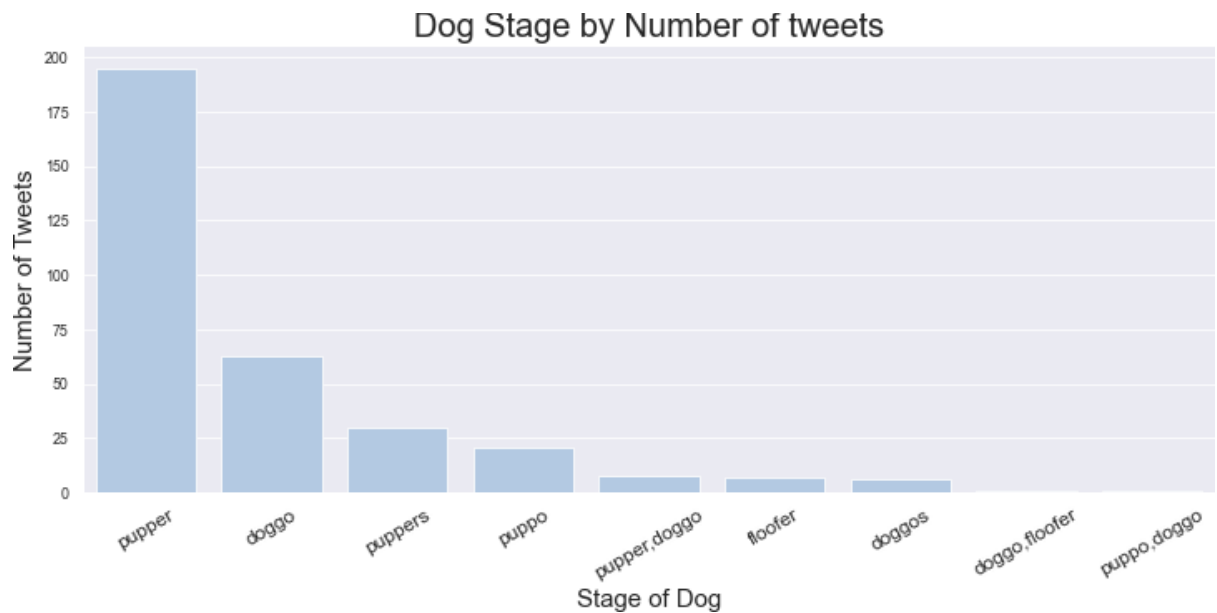
### Question 4: What is the weekly trend of tweets in WeRateDogs over time?

There is a decreasing trend in the number of weekly tweets over time. the rate of decrease in the number of tweets is high between November 2015 and May 2016.



## Question 5: What is the stage of dog with more tweets?

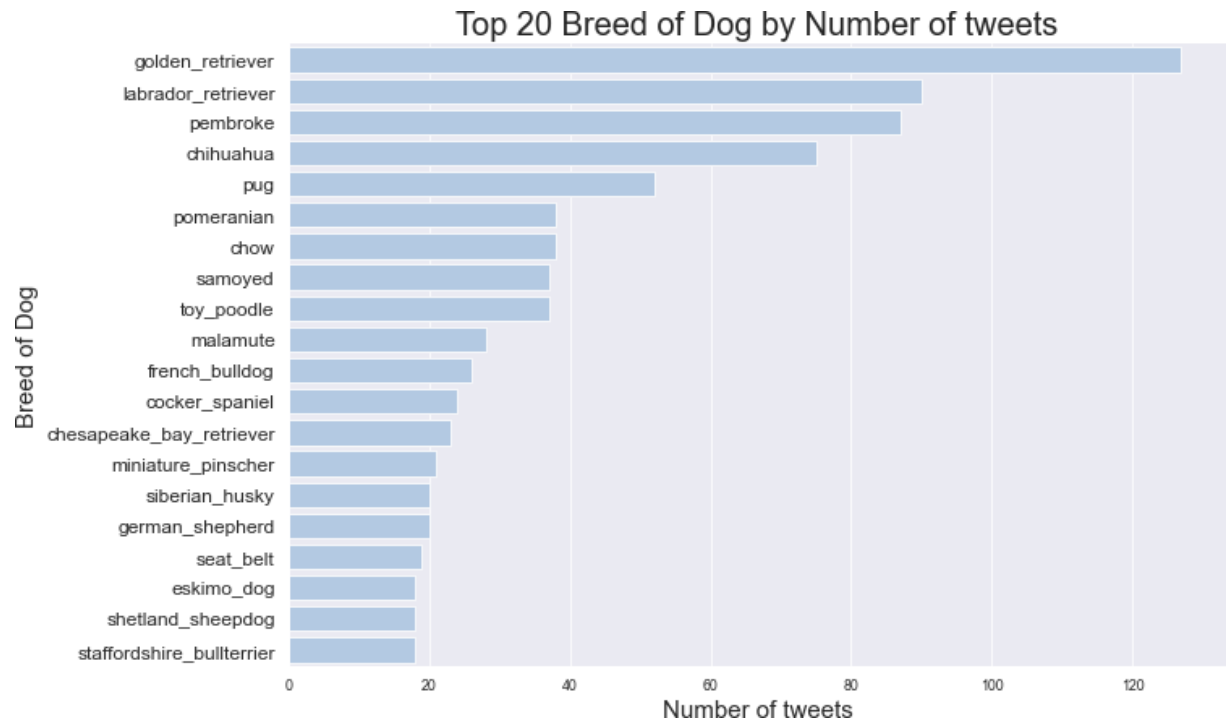
we have to clarify that although in principle there are only four stages of dog, we found that some tweets have more the one dog and more the one type of stage. We get from tweet text all the possible combinations of stages and we got nine in total different stages of dog like pupper, puppers, doggo, doggos, floofer, puppo, and the combinations like pupper-doggo doggo- floofer and puppo\_doggo.



Pupper is the first place follow by doggo, pupper and puppo.

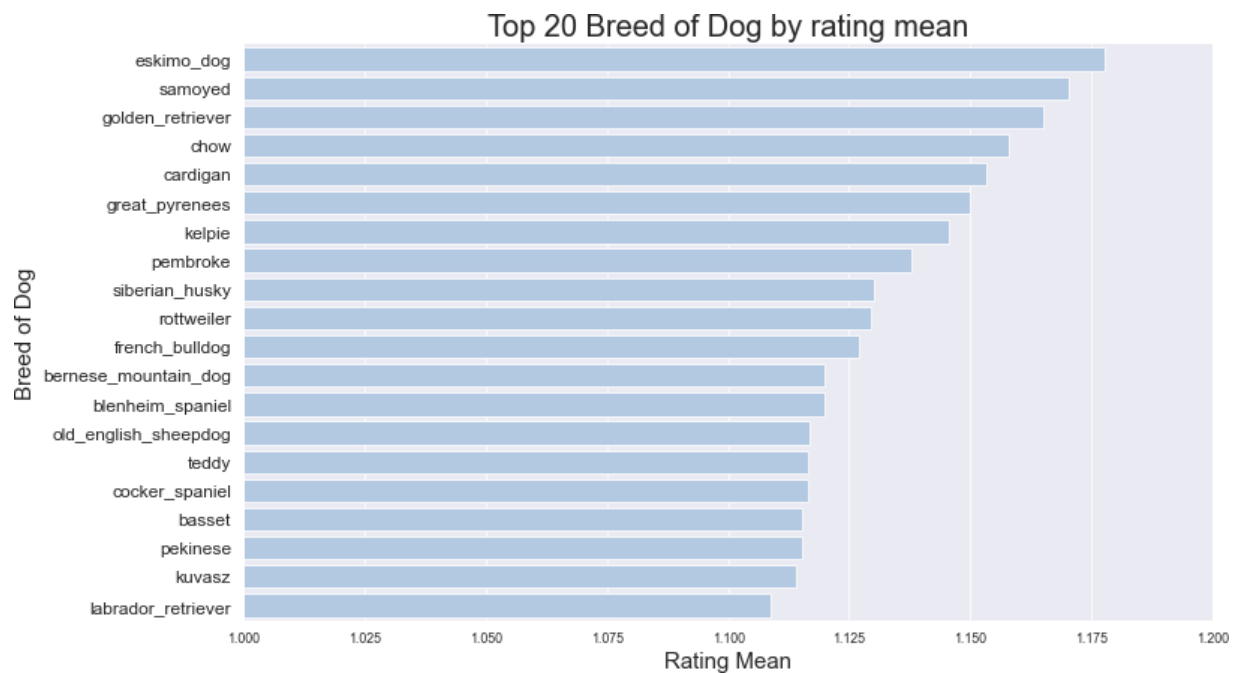
## Question 6: What is the top 20 breed of dog by number of tweets?

Golden\_retriever had more tweets follow by labrador\_retriever and pembroke.



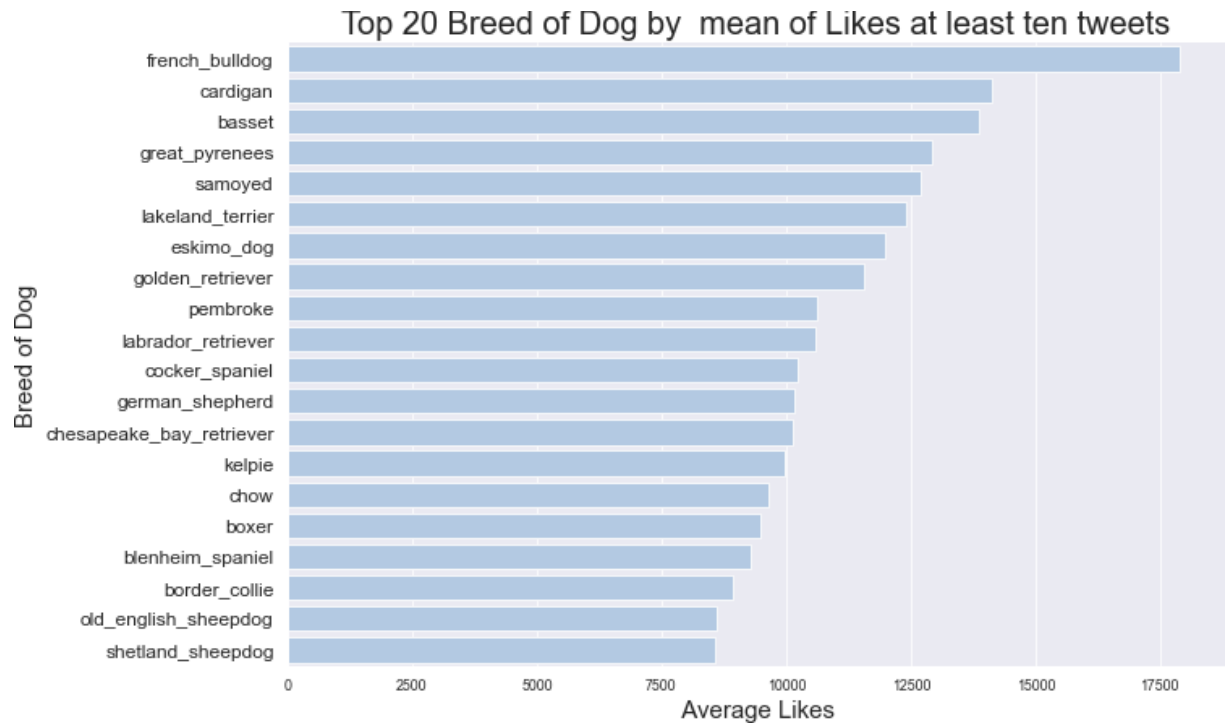
## Question 7: What is the top 20 breed of dog by rating mean?

To answer this question we only considered dog breeds that had at least ten tweets, we did this because we considered the mean of the ratings and we tried that dog breeds with very few tweets will not generate outliers in our analysis. In the graph below we see that eskimo\_dog has the highest rating, follow by samoyed and golden\_retriever.



## Question 8: What is the top 20 breed of dog by mean of likes at least ten tweets?

french\_bulldog has 17913 likes on average, follow by cardigan and basset.



**THE WINNER** of the breed of dogs with more likes on average is:





## Question 9: What is the top 20 breed of dog by mean of retweets at least ten tweets?¶

We found in the first place eskimo\_dog, follow by great\_pyrenees and french\_bulldog.

