

# Analyzing and Visualizing WeRateDogs Twitter page

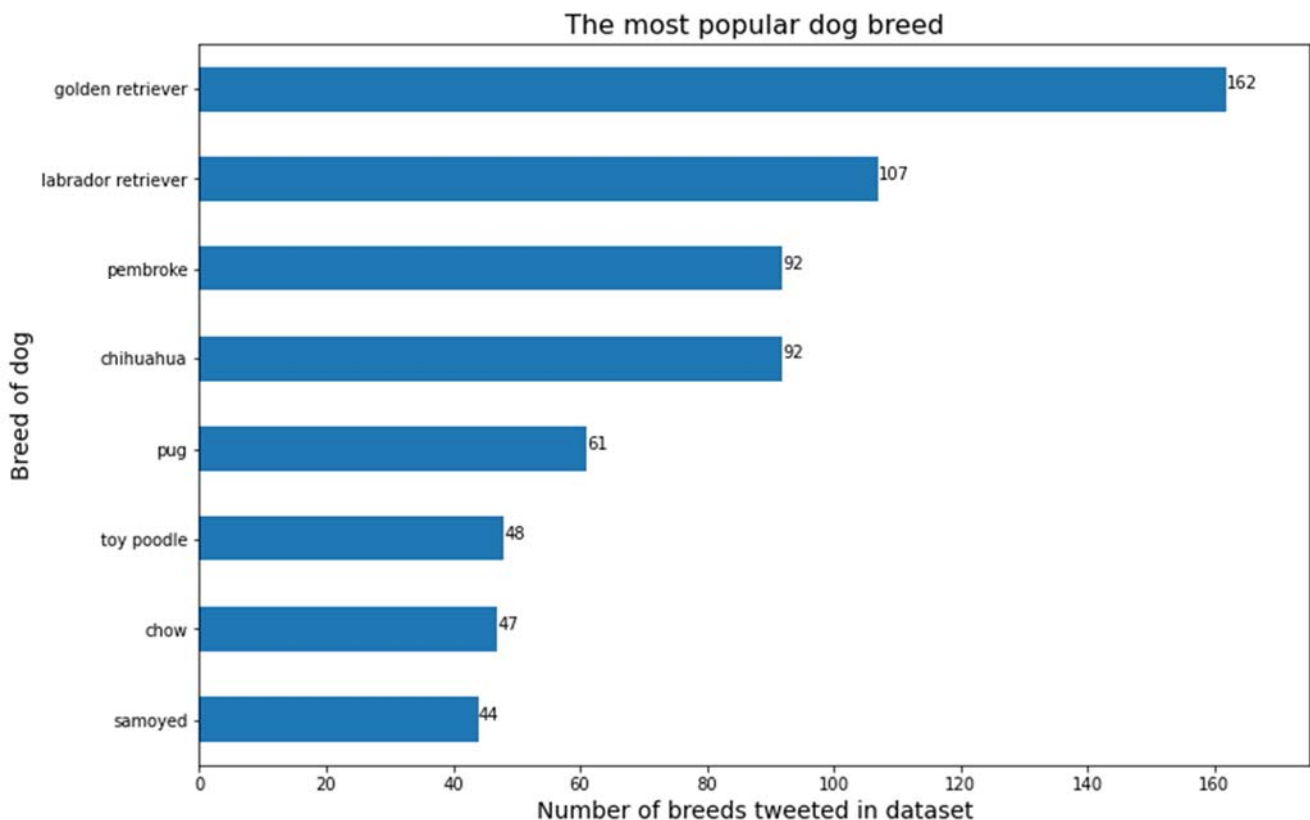


## Introduction

On this data analyst Nanodegree project, I worked on the twitter account WeRateDogs (@dog\_rates Twitter user). This account is for rating dogs with a humorous comment about the dogs. The rating denominator is 10 and the numerator is more than 10 (14, 12, 17...), the idea for this numerator values that the dogs deserve a rating more than 10, this theory is resumed on this quote: *“they’re good dogs Brent”*.

In this project, I tried to get some insights by analyzing and visualizing the wrangled data gathered from many sources. Insights like: which is the most popular dog breed? Which dog breed received most favorite and retweet reactions? What is the most rating rates used by account users? There is any correlation between favorite and retweet reaction? What the monthly variation of tweet publications, favorite counts and retweet counts?

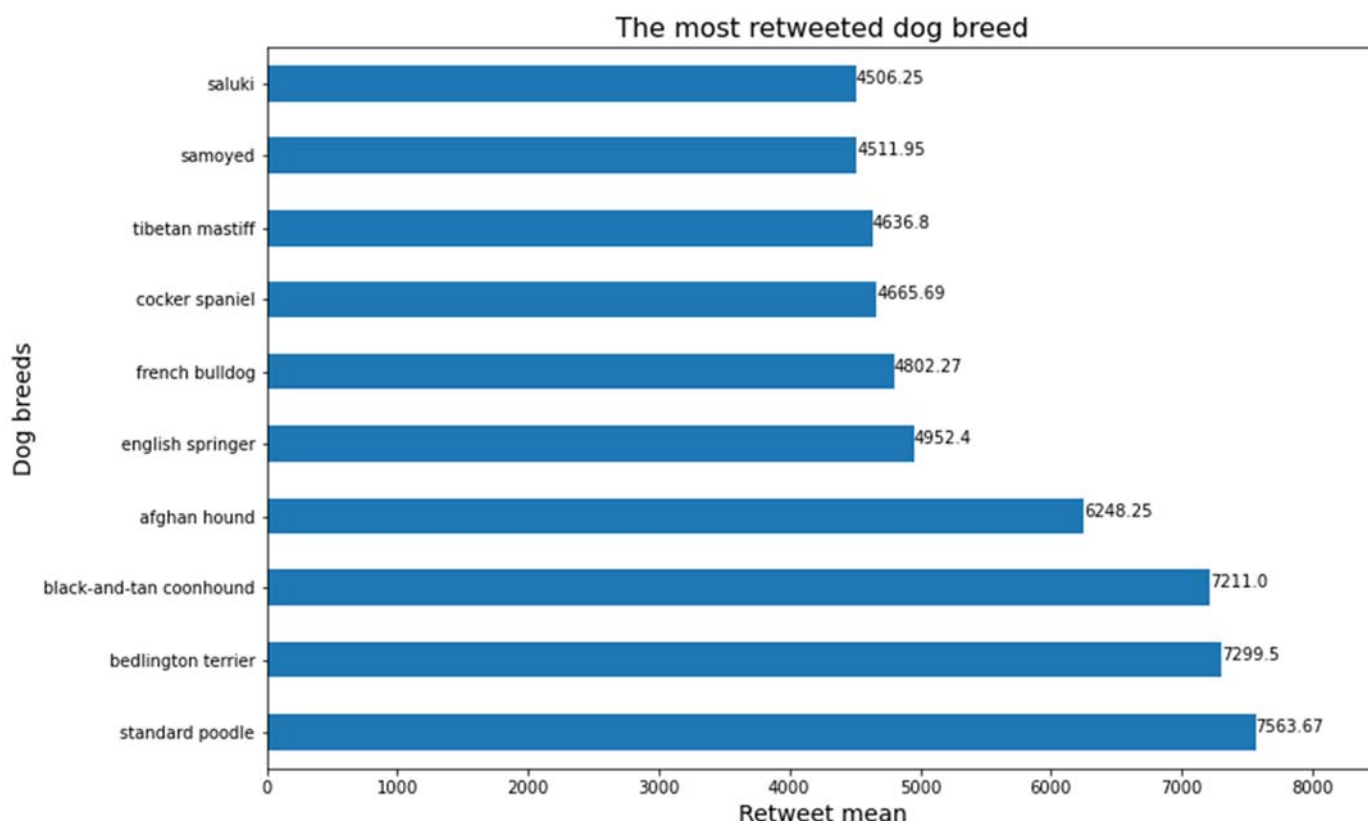
## Insight one: the most popular dog breed



After analyzing 2223 observations got from the wrangled data process and plotting it, I notice that the **Golden retriever** dog breed is the popular dog breed inside the WeRateDogs community by 162 tweets.

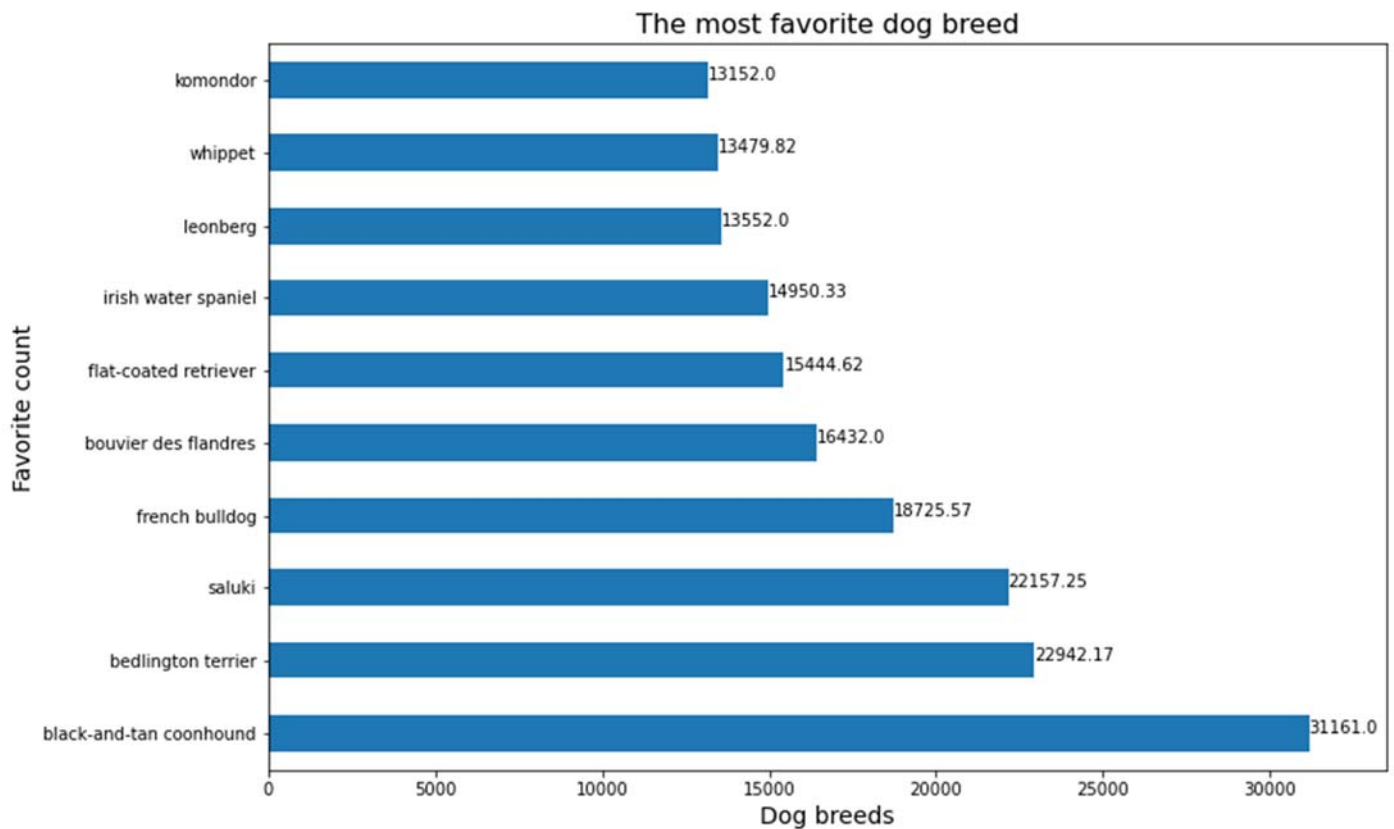
### Insight two: the dog breed get the most high retweet

Performing a mean calculation for 10 high-retweeted dog breeds, I got that the **Standard poodle** dog breed is the most retweeted with an average of 7563.67 retweet followed by the **Bedlington terrier** dog breed by 7299.50 retweet. Which is not the same as the first insight.



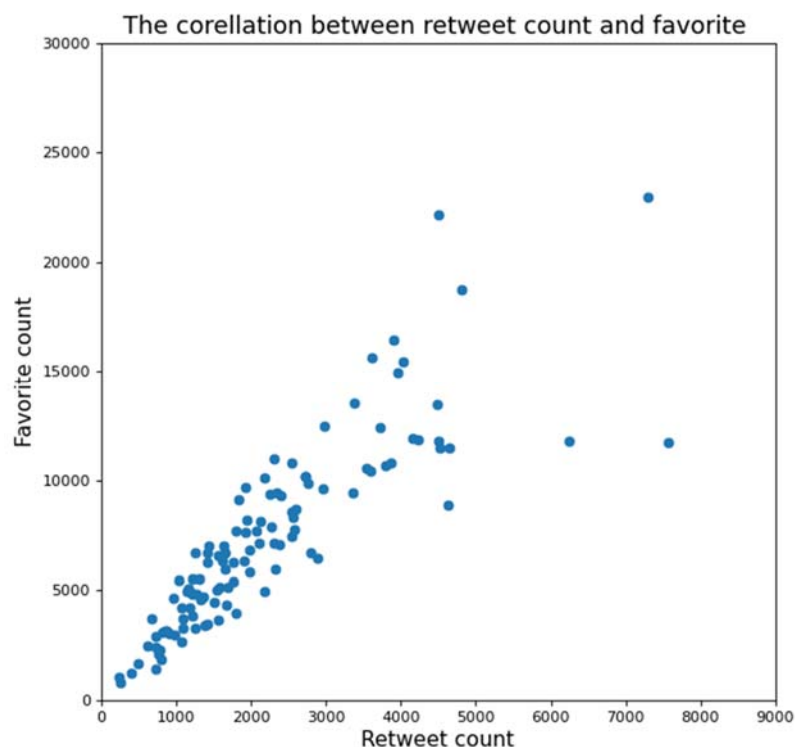
### Insight three: the dog breed get the most high favorite counting

For this insight, I got that the **Black-and-tan coongound** dog breed is most favorite for the most favorite for WeRateDogs twitter account visitors with an average 31161.00 favorite signs followed by the **Bedlington terrier** dog breed with 22942.17 as an average. This third insight is not almost in the same way as the second insight where **Standard poodle** dog breed in the second place as most retweeted dog breed. This relationship between can be verified in the followed insight.



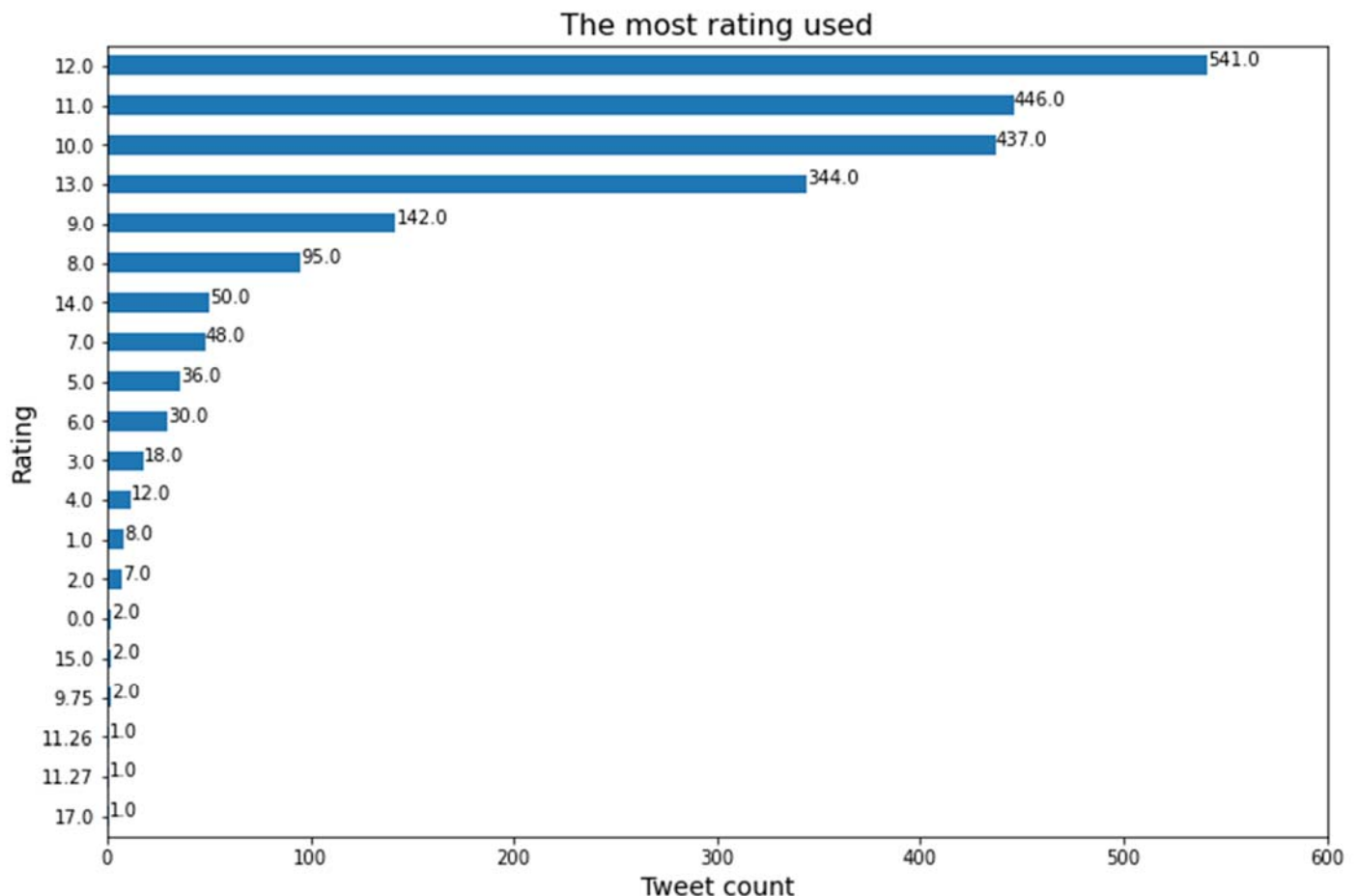
### **Insight four: the correlation between favorite count and retweet count for dog breeds**

To improve this insight I reuse the favorite mean and retweet mean for each dog breed, after plotting this two variables by using scatter plot, I can notice that the favorite count and retweet are positively correlated in almost observations. Which appear logic for this kind of relationship.



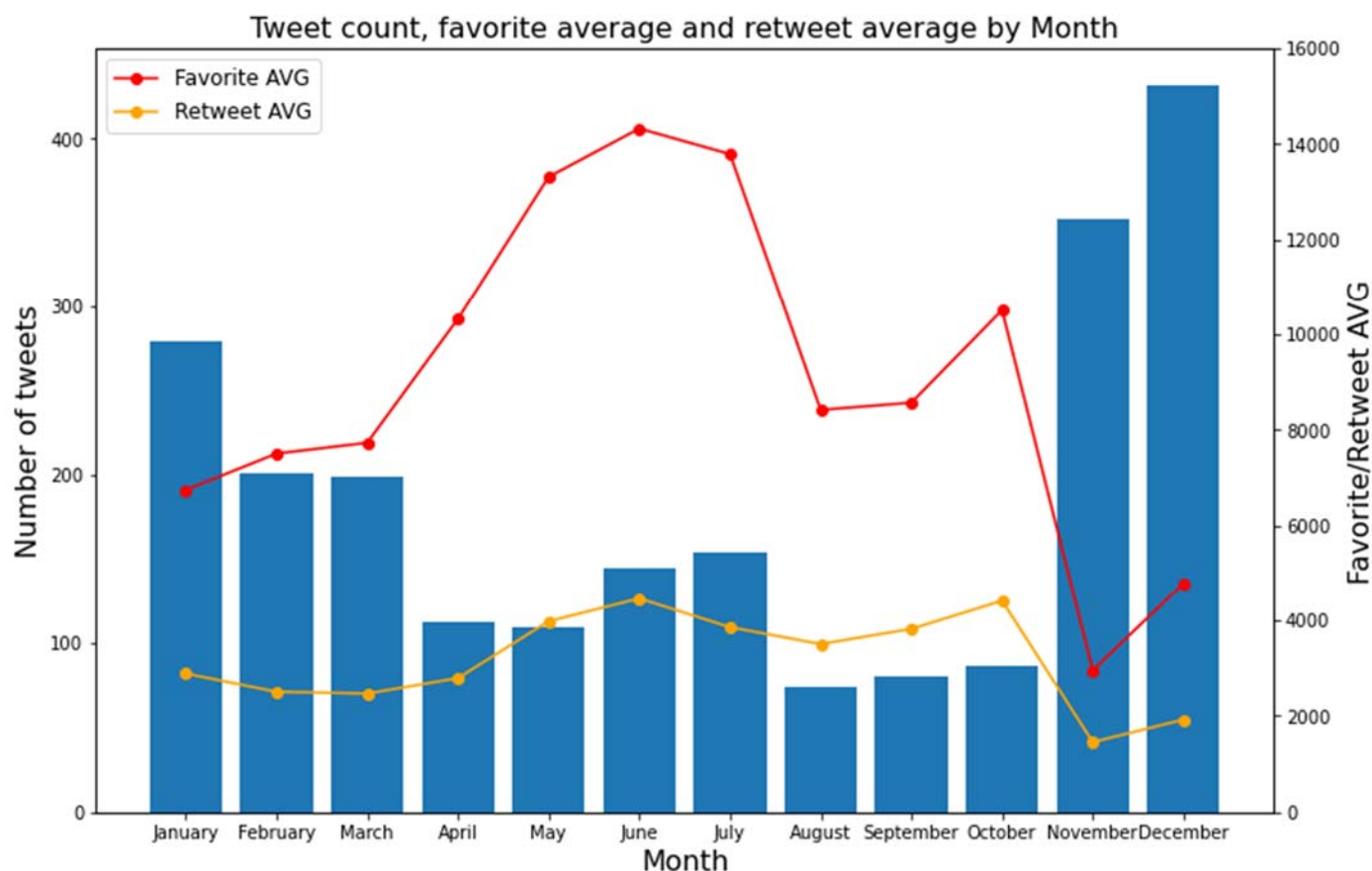
### Insight five: the most used rating for all tweets

For 2223 visitors WeRateDogs Twitter account use rating numerator equal or more than 10 (541 for 12, 446 for 11, 437 for 10, 344 for 13). This notice improve that the visitors accept this humorous principle of rating.



### Insight six: Variation of tweet id count, favorit count, retweet count values during the year

By using line chart to plotting favorite average and retweet average during the year (x axis) also adding bar chart for tweet count on same axis, I notice that the three variables don't follow the same variation. As we can observe the number of tweets increase in November and December but the favorite and retweet average decrease, which is antithesis for other months where the number of tweets decrease.



## Conclusions

The insights of this project many behaviors of WeRateDogs page visitors.

Even a dog breed is very popular for the most tweeters don't mean is the most favorited or retweeted by other users. The selection of a preferable dog breed is up to others criteria, which need a depth analysis with more variables.

In other side, the increase of tweets number do not mean the increase of the visitors reaction for the tweeted dog breed. It can be explained by confusion of visitors for choosing the preferable dog breed when the number of tweets increase or the rate of dog breed tweets increasing is greater than the rate of favorite and retweet average increasing.

Finally, the originality of humorist rating is what almost visitors prefer for rating the dogs, which mean is the asset of this twitter account.