We don't hate dogs! We rate them!

An analysis of the tweets from the Twitter account *WeRateDogs*

WeRateDogs is an account on Twitter that rates dogs in pictures. Its grades often go above 10/10, making the grading system unique. Here I present insights derived from the analysis of their tweets. We will cover dog breeds, dog stages, ratings, number of likes, and number of retweets.

What is the most frequent dog breed graded in WeRateDogs?

Based on the results of a neural network that predicted the dog breeds using the pictures of each tweet, the most frequent dog breed among the tweets of *WeRateDogs* is the **Golden Retriever**. The second one is the Labrador Retriever followed closely by Pembroke. In the table below, it is displayed the number of times a certain dog breed appears as a result of the first prediction made by the neural network.

Number Of Occurrences Of Each Dog Breed In The First Prediction

Dog Breed	Occurrences
Golden Retriever	139
Labrador Retriever	95
Pembroke	88
Chihuahua	79
Pug	54
Chow Chow	41
Samoyed	40
Toy Poodle	38
Pomeranian	38
Malamute	29

Which dog stages received the highest ratings?

In many tweets, we have found four categories given to the dogs. They might be *Doggo*, *Pupper*, *Puppo*, *Floofer*, and, sometimes, they are double categorized. Before we jump to the analysis of the ratings, I want to show the relevance of each dog stage to the total, in other words, how many times they appear in the tweets compared to the total number of occurrences of dog stages.

Relevance Of Each Dog Stage In The Tweets

Dog Stages	Occurrences
Pupper	**66.33%**
Doggo	20.59%
Puppo	7.19%
Doggo and Pupper	2.94%
Floofer	2.29%
Doggo and Floofer	0.33%
Doggo and Puppo	0.33%

It is possible to notice that most dogs are said to be *Pupper* or *Doggo*. We need to be careful here because if a few of the least frequent tweets, like the ones with *Doggo and Puppo* dogs, receive high grades, the average rating of this category might present an overrated result when compared to the others. In order to discover which is the best-rated dog stage, we can take into account the relevance of each of them to the total. The following tables present rankings of the dog stages when we consider or not their relevance.

Rank Of Dog Stages According To Their Average Rating

Dog Stages	Average Rating
Doggo and Puppo	1.3000
Puppo	1.2000
Floofer	1.2000
Doggo	1.1889
Doggo,Floofer	1.1000
Doggo and Pupper	1.1000
Pupper	1.0637

Rank Of Dog Stages According To Their Average Rating Considering Their Relevance

Dog Stages	Average Rating
Pupper	0.7056
Doggo	0.2448
Puppo	0.0863
Doggo and Pupper	0.0324
Floofer	0.0275
Doggo and Puppo	0.0042
Doggo and Floofer	0.0036

Without considering the frequency of each dog stage, the dogs with the double category *Doggo and Puppo* have the highest rating average, while *Pupper* ranks the last one in this measure. On the other hand, when we take the proportion into account, we conclude that *Pupper* is on average the best-rated dog stage.

Do higher dog ratings present a higher amount of likes and retweets?

The following scatter charts present how tweets performed in terms of likes and retweets considering the grades the dogs received.

Number Of Retweets For Each Dog rating

Number Of Likes For Each Dog Rating
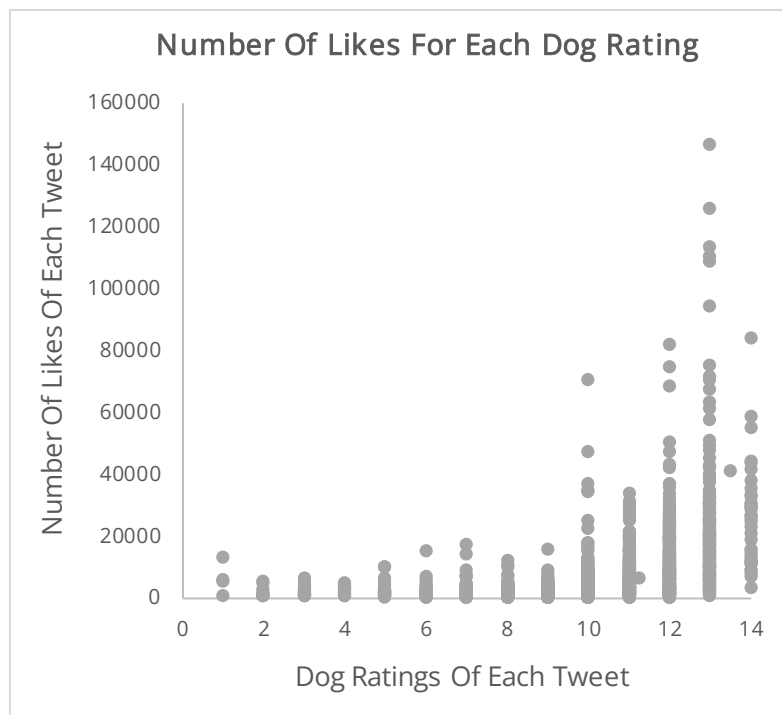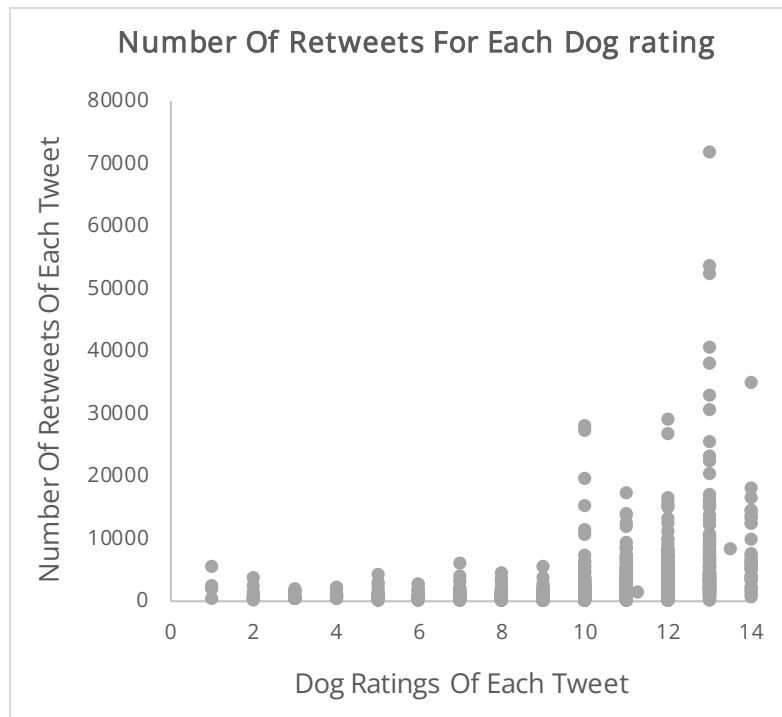
WeRateDogs rarely rates the dogs with grades below 9/10. However, even if we start our analysis at grade 9, we may still notice that the higher the rating, the greater the number of times the tweet was liked or retweeted.