

# WeRateDogs Project

## Analysis and Visualizations Report

### Introduction

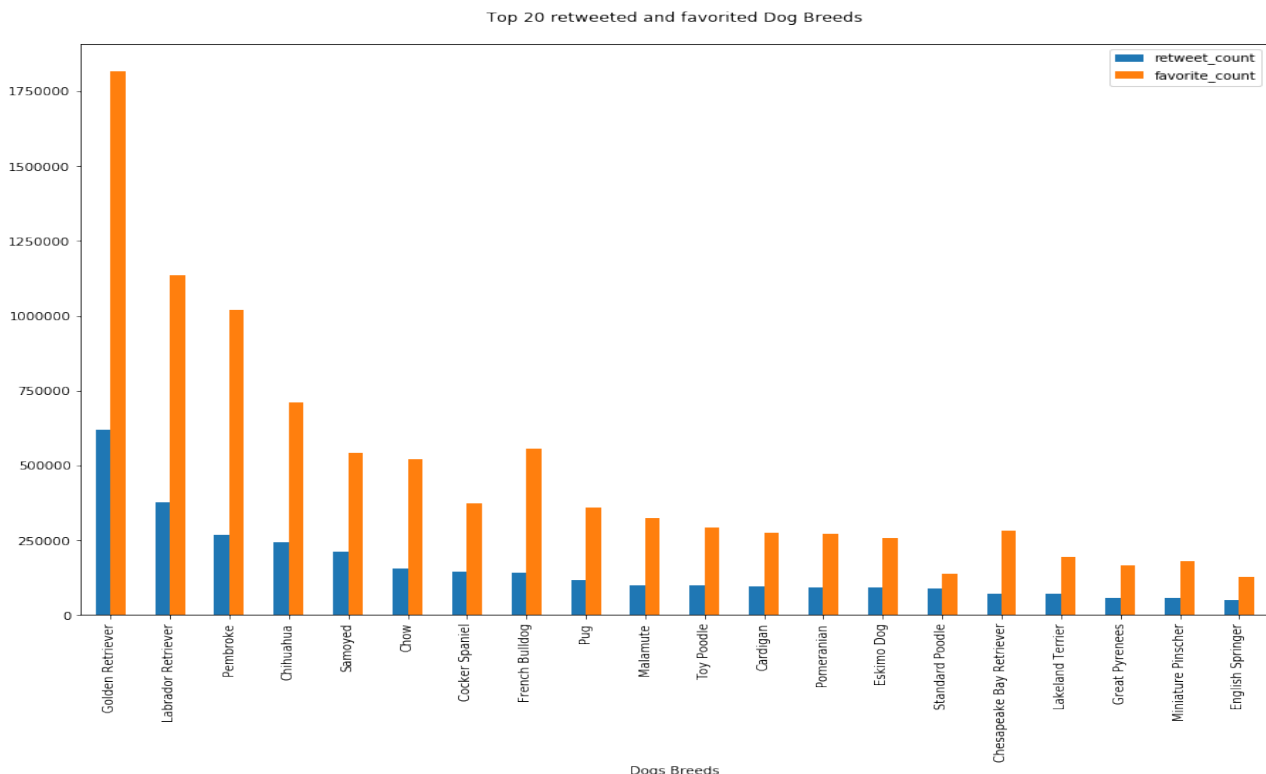
WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. As it might be obvious, because "they're good dogs." WeRateDogs has over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

The data used to produce this report was collected through an enhanced CSV file provided by Udacity which contained 2000+ tweets with ratings, using Twitter API and Tweepy library to grab the tweets favorites and re-tweets count and finally, predictions of dogs breeds by downloading programmatically a TSV file also provided by Udacity.

The 3 datasets were generated, manipulated, assessed, cleaned, analyzed and visualized using Python in a Jupyter Notebook with Pandas, NumPy, Requests, Tweepy, JSON and Matplotlib libraries.

### Analysis Results

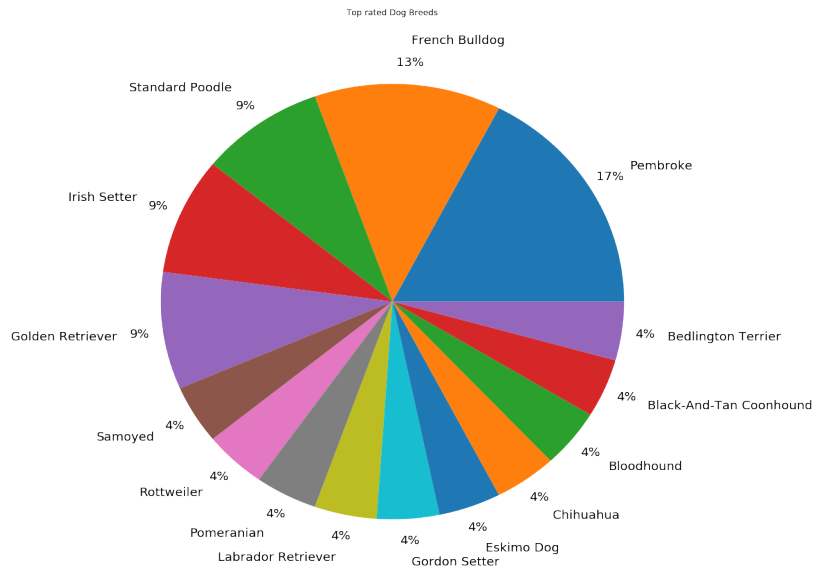
***What are the top 20 dog breeds in retweets counts and favorites counts?***



The Golden Retriever was the top popular breed in terms of retweets and liked counts.

### What are the top rated breeds?

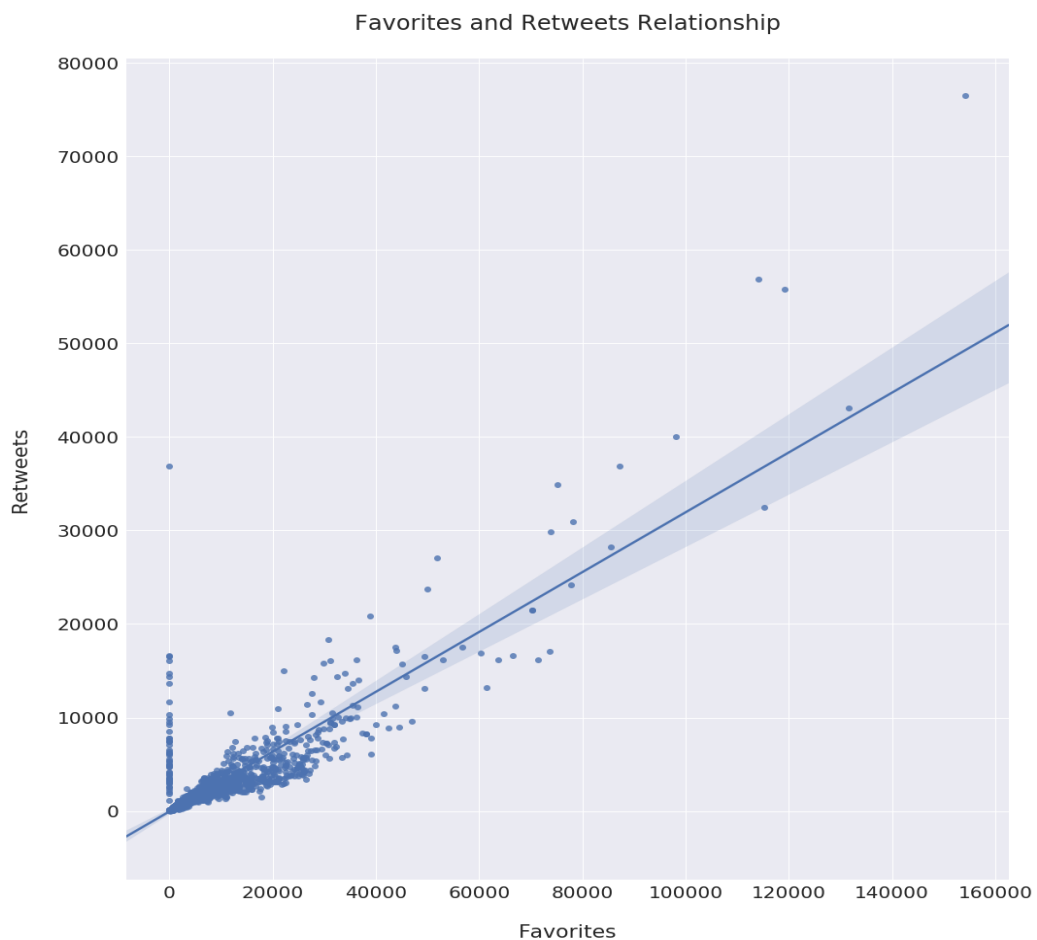
Pembroke	4
French Bulldog	3
Standard Poodle	2
Irish Setter	2
Golden Retriever	2
Samoyed	1
Rottweiler	1
Pomeranian	1
Labrador Retriever	1
Gordon Setter	1
Eskimo Dog	1
Chihuahua	1
Bloodhound	1
Black-And-Tan Coonhound	1
Bedlington Terrier	1



Those are 15 dogs all rated 14 out of 10! They are categorized by breed with 4 of them are Pembroke dogs.

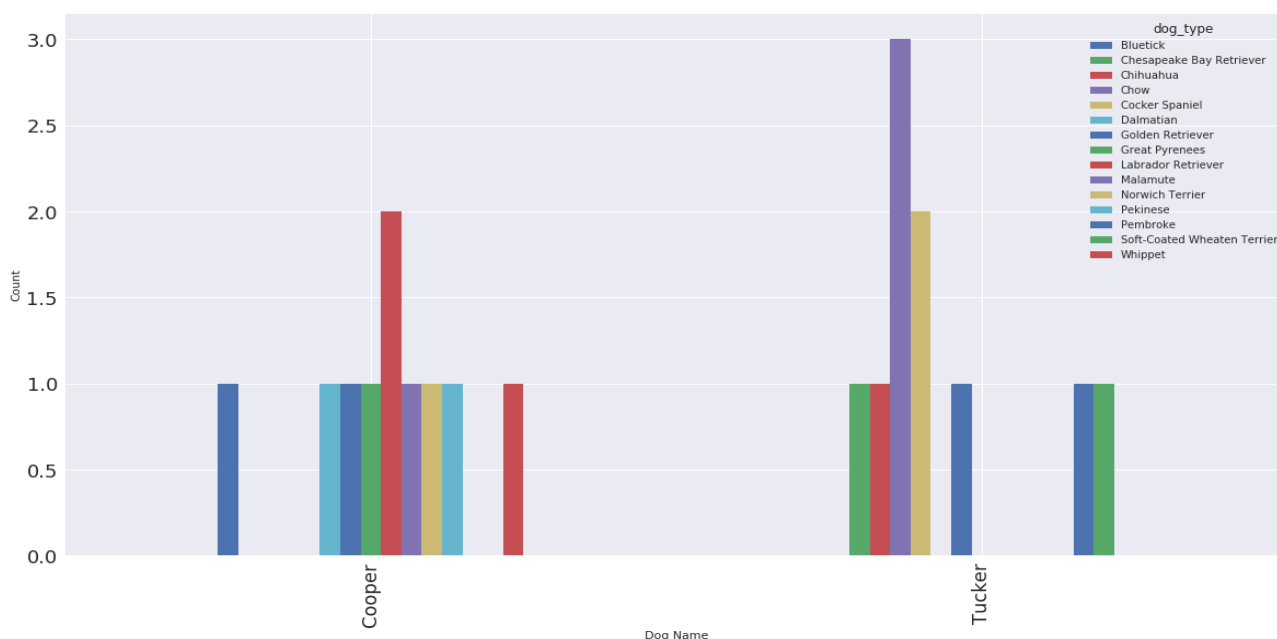
### Is there a relationship between favorites counts and retweets counts?

There is a positive correlation between favorites and retweets, the more the retweets, the more the favorites count.



## Are there common names for dogs, if there are, what are they and what are their dogs breeds?

“Cooper” and “Tucker” were found to be the most popular dogs names with 10 dogs named after each of both.



Cooper	Labrador Retriever	2
	Bluetick	1
	Dalmatian	1
	Golden Retriever	1
	Great Pyrenees	1
	Malamute	1
	Norwich Terrier	1
	Pekinese	1
	Whippet	1
	Chow	3
Tucker	Cocker Spaniel	2
	Chesapeake Bay Retriever	1
	Chihuahua	1
	Golden Retriever	1
	Pembroke	1
	Soft-Coated Wheaten Terrier	1
	Whippet	1

## What is the most liked and least liked dogs breeds?

The most liked dog breed is “Golden Retriever” with 1,817,593 total likes, while the least liked breed is “Japanese Spaniel” with only 1,201 total likes.

## What dog types is retweeted most and least?

The most retweeted dog breed is “Golden Retriever” with 619,692 total retweets, while the least retweeted breed is “Japanese Spaniel” with only 390 total retweets.

***Who is the most liked dog in the whole dataset?***

The most liked dog is of type "Labrador Retriever" with total retweets of 76,464 and total likes of 154,206.

This picture is taken from a video by "Tina Conrad" in the original tweet at:-

[https://twitter.com/dog\\_rates/status/744234799360020481](https://twitter.com/dog_rates/status/744234799360020481)

