

# Act Report

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## 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. Why? Because "[they're good dogs Brent.](#)" WeRateDogs has over 4 million followers and has received international media coverage.

In this Report we are going the data of this twitter account to answer some interesting questions about the dogs. But first let's start by asking these questions:

1. What are the top 5 most favorited tweets to date?
2. What are the top 5 most retweeted tweets to date?
3. What does the distribution of rating look like?
4. What are the top 10 Dog breeds regarding tweet count?
5. What does the correlation between retweet count and favorite count looks like closely?
6. What Months has the highest number of Retweets and Favorites?

**For the next section of this report, we will first ask a question then make some analysis and finally get the answer**

# Analysis and Insights

## Univariate Analysis

### 1. What are the top 5 most favorited tweets to date?

From our simple analysis we found that the following tweets are most loved in the whole dataset.

text	expanded_urls	rating	name	stage	breed	confidence	retweet_count	favorite_count
Here's a super supportive puppo participating ...	<a href="https://twitter.com/dog_rates/status/822872901...">https://twitter.com/dog_rates/status/822872901...</a>	13	None	puppo	Lakeland_terrier	19	48265	132810
Here's a doggo realizing you can stand in a po...	<a href="https://twitter.com/dog_rates/status/744234799...">https://twitter.com/dog_rates/status/744234799...</a>	13	None	doggo	Labrador_retriever	82	79515	131075
This is Duddles. He did an attempt. 13/10 some...	<a href="https://twitter.com/dog_rates/status/879415818...">https://twitter.com/dog_rates/status/879415818...</a>	13	Duddles	none	English_springer	38	45849	107956
This is Stephan. He just wants to help. 13/10 ...	<a href="https://twitter.com/dog_rates/status/807106840...">https://twitter.com/dog_rates/status/807106840...</a>	13	Stephan	none	Chihuahua	50	56625	107015
This is Jamesy. He gives a kiss to every other...	<a href="https://twitter.com/dog_rates/status/866450705...">https://twitter.com/dog_rates/status/866450705...</a>	13	Jamesy	pupper	French_bulldog	90	32883	106827

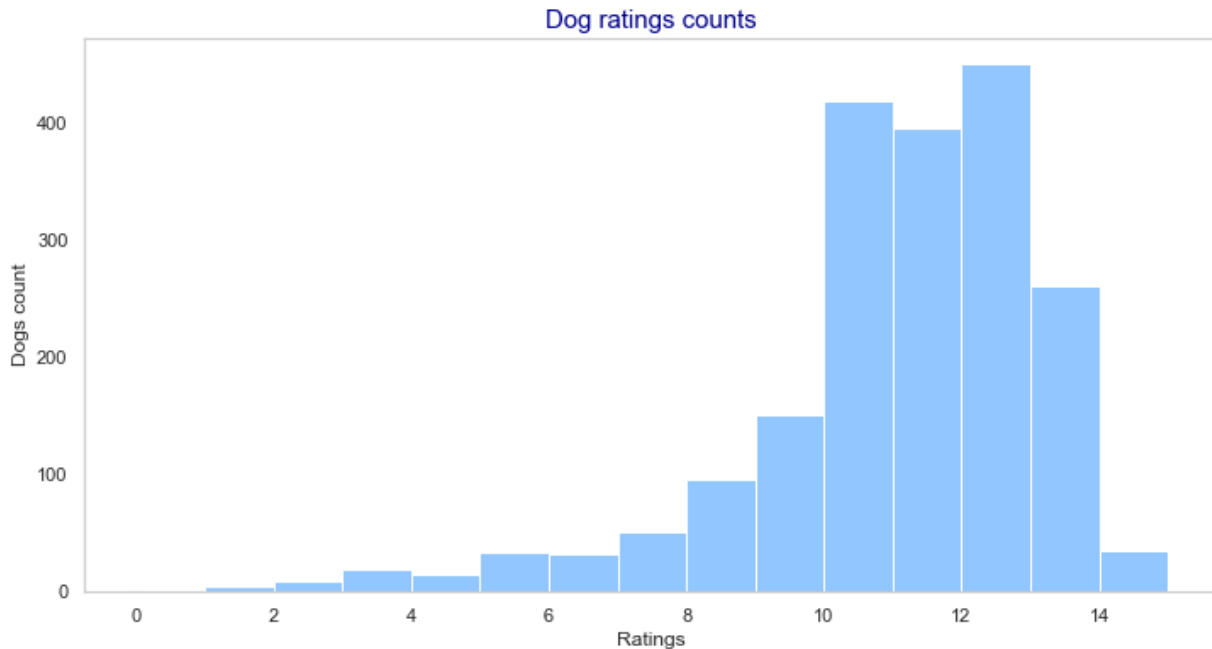
### 2. What are the top 5 most retweeted tweets to date?

From our simple analysis we found the following tweets are the most retweeted in the whole dataset.

text	expanded_urls	rating	name	stage	breed	confidence	retweet_count	favorite_count
Here's a doggo realizing you can stand in a po...	<a href="https://twitter.com/dog_rates/status/744234799...">https://twitter.com/dog_rates/status/744234799...</a>	13	None	doggo	Labrador_retriever	82	79515	131075
This is Stephan. He just wants to help. 13/10 ...	<a href="https://twitter.com/dog_rates/status/807106840...">https://twitter.com/dog_rates/status/807106840...</a>	13	Stephan	none	Chihuahua	50	56625	107015
Here's a doggo blowing bubbles. It's downright...	<a href="https://twitter.com/dog_rates/status/739238157...">https://twitter.com/dog_rates/status/739238157...</a>	13	None	doggo	Eskimo_dog	50	52380	75163
Here's a super supportive puppo participating ...	<a href="https://twitter.com/dog_rates/status/822872901...">https://twitter.com/dog_rates/status/822872901...</a>	13	None	puppo	Lakeland_terrier	19	48265	132810
This is Duddles. He did an attempt. 13/10 some...	<a href="https://twitter.com/dog_rates/status/879415818...">https://twitter.com/dog_rates/status/879415818...</a>	13	Duddles	none	English_springer	38	45849	107956

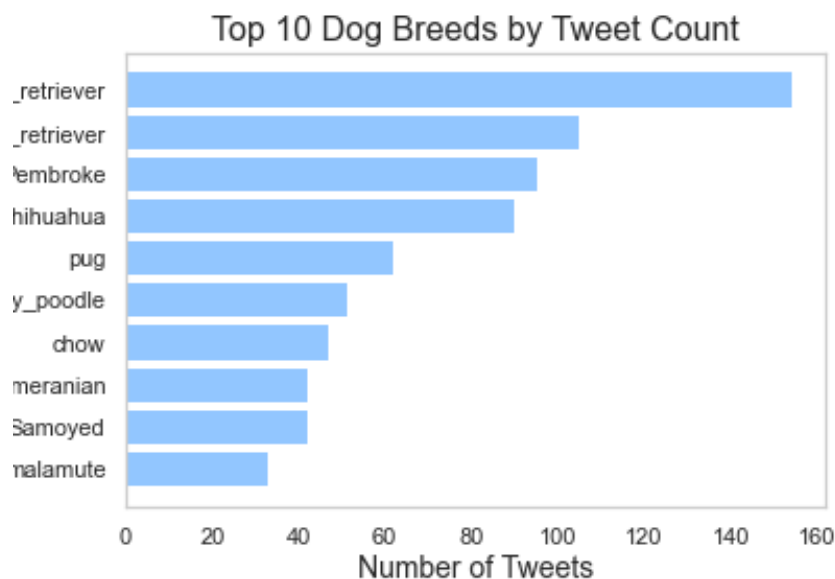
### 3. What does the distribution of rating look like?

The distribution here shows just how many tweets there are with really high ratings; in fact there are over 1500 tweets with ratings of 10 and up. That's 79% of all tweets!



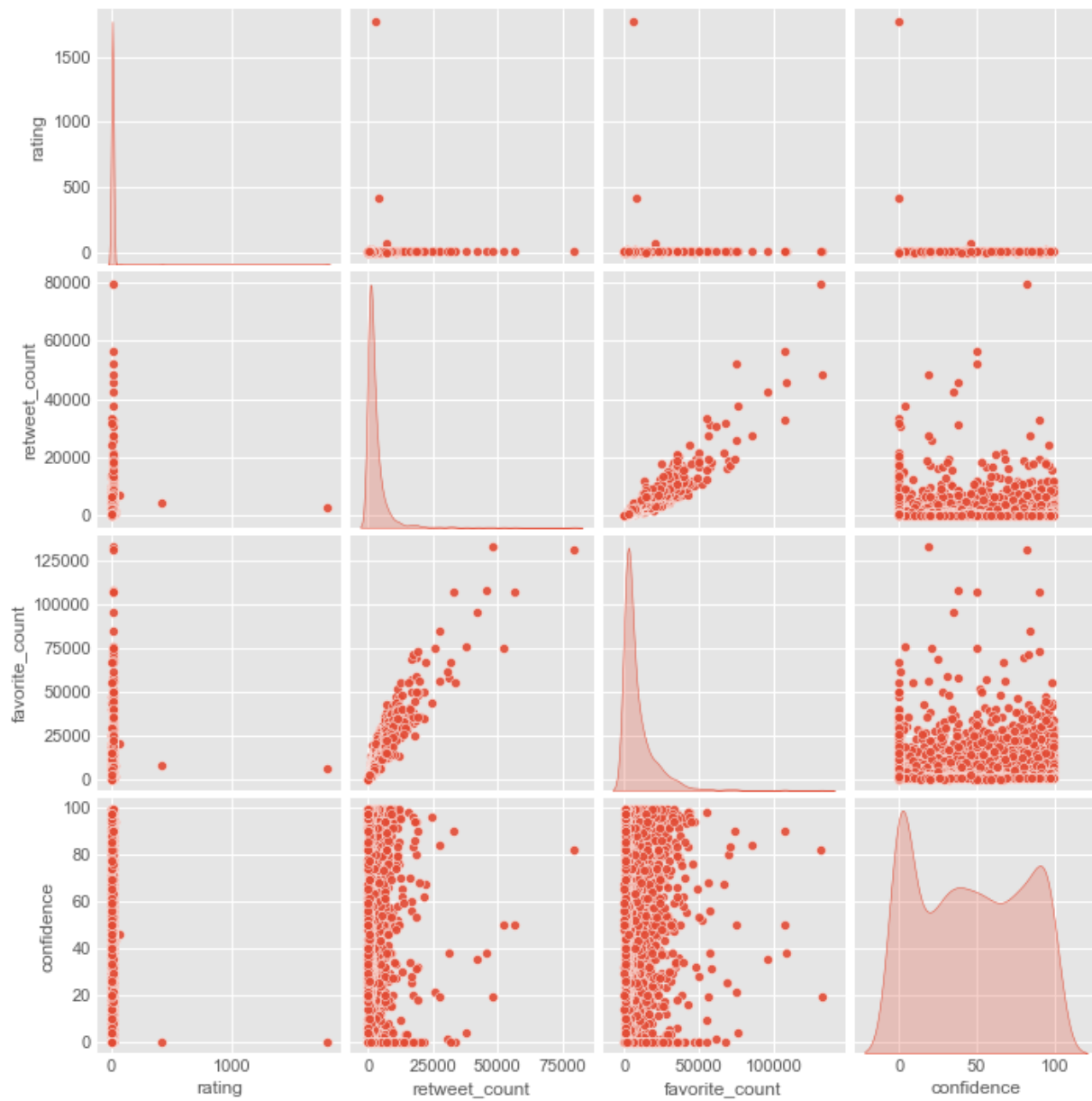
### 4. What are the top 10 Dog breeds regarding tweet count?

The bar chart below shows that the most common dog that is tweeted about, with almost 160 tweets, is the Golden Retriever, as identified (predicted) by the neural network. Labrador Retrievers, Pembroke and Chihuahuas are fairly close together in 2nd, 3rd, and 4th place. Further down we'll take a look at what are the most favored dog breeds.



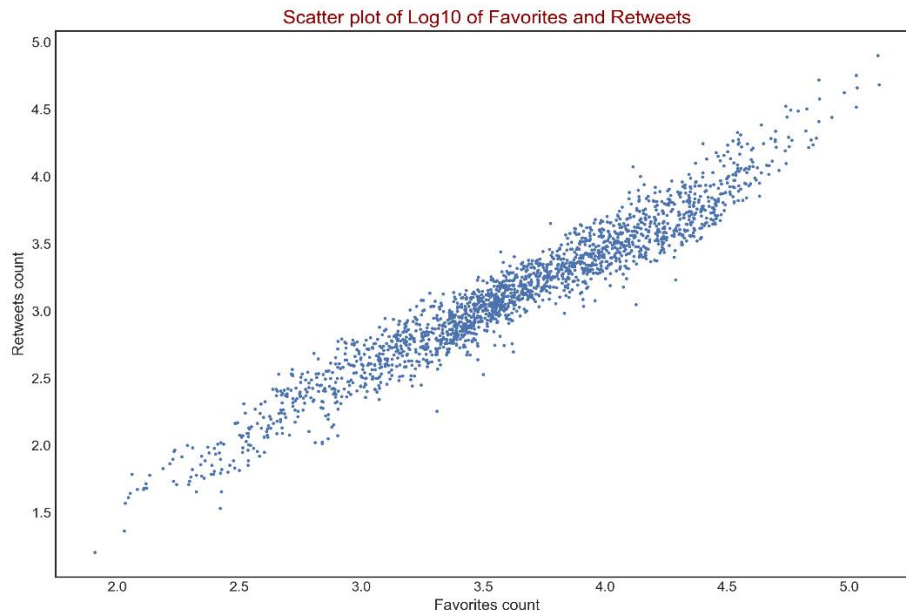
## Bivariate Exploration

Now Let's have a look at distribution and correlations.



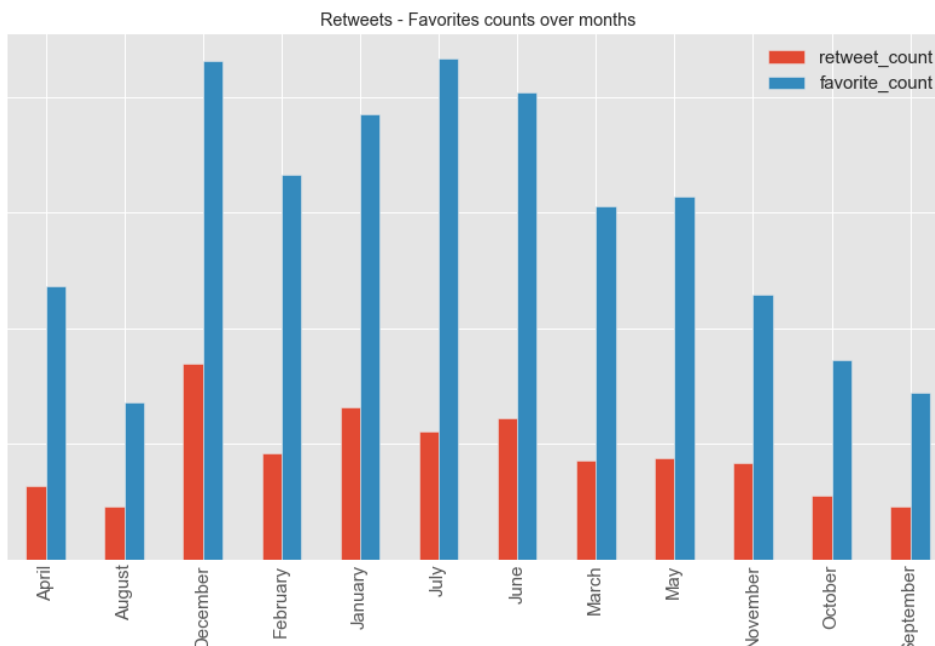
### 5. What does the correlation between retweet count and favorite count looks like?

There is a strong relationship between a tweet's retweet counts and favorite counts; in other words, if a tweet has a high favorite count it will also have a high retweet count. Plotting these two values against each other produced the plot below, and clearly shows a high correlation by the very tight collection of points along the angled, straight line.



### 6. What are the top 5 most favored tweets to date?

Which month do people retweet and favorite tweets more? Let's figure it out.



Turns out that the Highest number of Retweets and Favorites were in January and December.