

# WeRateDogs Twitter Analysis

## Introduction

WeRateDogs @dog\_rates is a twitter account that rates dogs in a hilarious way. This twitter account has over 4 million followers and famous worldwide.

I analyzed their twitter archive in conjunction with real time twitter status data and Udacity's dog breeds prediction based on the dog images. Here's what I found.

## Insights 1: Breeds - Most Popular vs Most loved

As shown in Fig 1-1 and Table 1-2, Golden Retrievers have the most of tweets in WeRateDogs. However, Golden Retrievers does not own the title of most favored dogs, the French Bulldog does. In fact, French Bulldogs have nearly 5000 more favorites on average compare to Golden Retrievers.

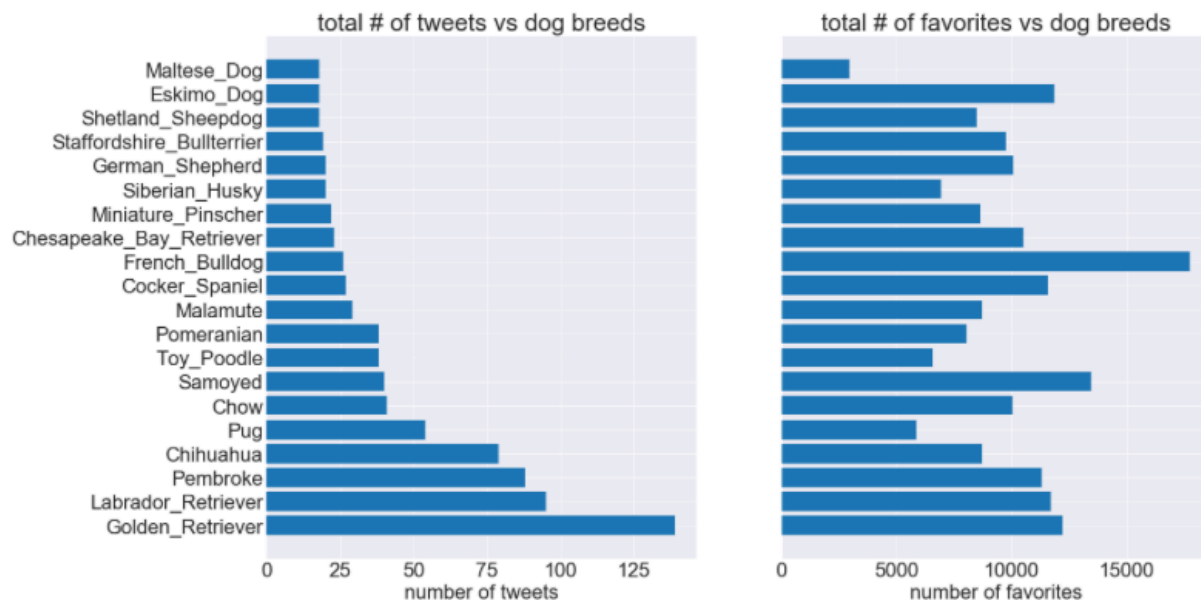


Fig 1-1 summary of tweets and favorites vs dog breeds

Another interesting fact is the top 20 most tweeted dog breeds perfectly overlapped with top 20 most "favored" dog breeds. My theory is the most favored dogs are well populated so they get more exposure to the account.

prediction_1	favorite_count	tweet_count
Golden_Retriever	12222.84892	139
Labrador_Retriever	11714.04211	95
Pembroke	11316.78409	88
Chihuahua	8711.734177	79
Pug	5871.851852	54
Chow	10044.02439	41
Samoyed	13449.725	40
Toy_Poodle	6574.973684	38
Pomeranian	8051.447368	38
Malamute	8725.310345	29
Cocker_Spaniel	11584.18519	27
French_Bulldog	17751.76923	26
Chesapeake_Bay_Retriever	10489.82609	23
Miniature_Pinscher	8644.590909	22
Siberian_Husky	6943.05	20
German_Shepherd	10054.5	20
Staffordshire_Bullterrier	9748.315789	19
Shetland_Sheepdog	8497.166667	18
Eskimo_Dog	11875.55556	18
Maltese_Dog	2950.611111	18

Table 1-1 a detailed summary about top 20 most tweeted dog breeds

## Insight 2: Most popular dog names

As shown in table 2-2, the most popular dog names are Charlie, Lucy and Oliver. This may not have any practical mean but worth reading if you would like to make names for your little new born puppies.

Charlie	11
Lucy	10
Oliver	10
Cooper	10
Penny	9
Tucker	9
Winston	8
Sadie	8
the	7
Toby	7
Daisy	7
Lola	7
an	6
Jax	6
Bella	6
Koda	6
Bo	6
Stanley	6

Has WeRateDogs ever rated a dog 0? Can the owner of this account be so mean that not even give any credits to a dog? Here I found the only two tweets where WeRateDogs rated a picture 0. The first one gives to a plagiarism twitter account while in the second picture, the account is making a joke.

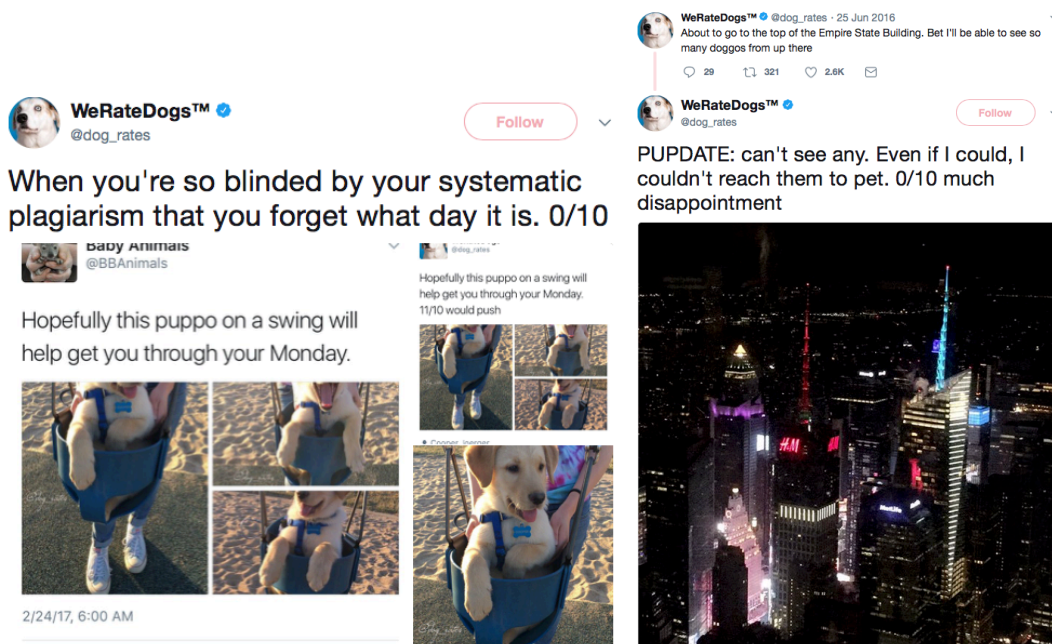


Figure 3-1 two 0 rated pictures

## Visualization

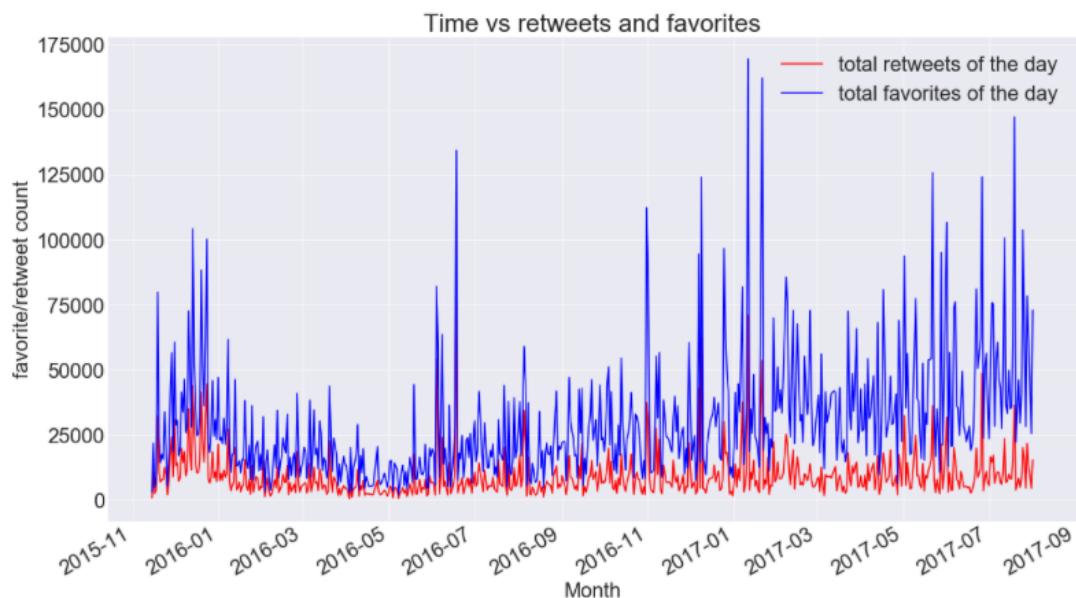


Figure 4-1 Total tweets and favorites vs time

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As shown in the Figure 4-1, the general trend of retweets keeps almost the same through 2015 to 2017 while the favorite keep increasing. This trend makes sense because total number of favorite can be easily accumulated over the time but people generally refuse to retweet a tweet from long ago.