

# Intersting Insights From WeRateDogs

YU-CHIEH HSU  
ujfiderciah20120512@gmail.com\*

Sunday 4<sup>th</sup> July, 2021

**WeRateDogs** is a Twitter account that rates people's dogs with a humorous comment about the dog, created by Matt Nelson in 2015. In this article, we collected about 2000 tweets, a maximum of over 70000 retweets and 140000 favourites from November 2015 to August 2017. It not only shows fun comments about dogs, but also the strong connection between humans and those adorable creatures.



Photo by Helena Lopes from Pexels

---

\*Website: <https://github.com/violetyaya169078>

## Most popular dog stage: What kind of dog stage have the most tweets?

”**Doggolingo**”, an unanimous internet language we use to verbalize the thoughts of our dogs, widely seen in videos or pictures of them with hilarious comments and silly reactions. Since they are the language of dogs, the grammers don’t need to be correct as well. Some common doggolings such as ”doggo”, which means dog, and ”pupper”, which represents puppy. From the tweets in this article, we sorted out four doggolings, and listed them as four stages of dogs (See **Dogtionary** from WeRateDogs book on Amazon for details). We will then see what kind of stage gained the most attention.

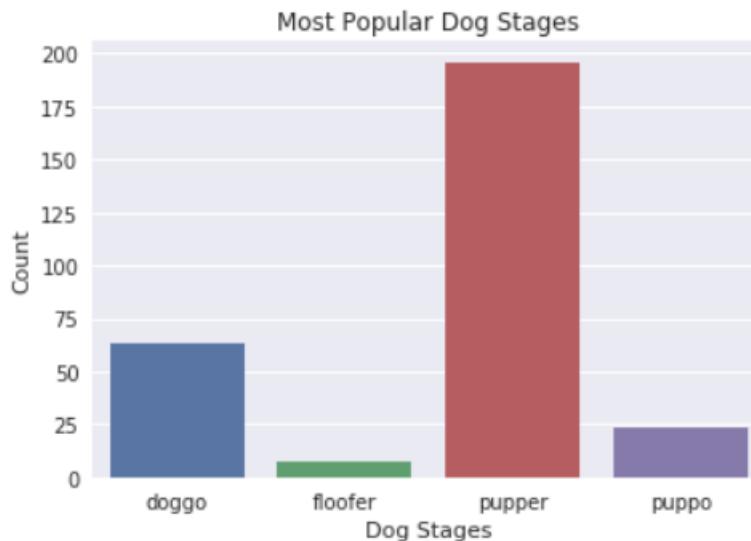


Figure 1:

Puppers have the most tweets among all stages, almost 200 counts in total, reflected most people likes cute and small creatures. Floofers were the least, with under 10 tweets. There were also over 1500 tweets without dog stages and 4 tweets with multiple stages.

## Well predicted pictures: What kind of the dog is the best recognized?

Running every images from twitter through a neural network that can classify breeds of dogs from Udacity, we got a table full of image predictions. The incredible work showed a set of the most confident predictions beside each tweets in a table, we then created a list and two sub tables: 'The most predicted dogs', 'Images with highest confidence' and 'Most well-recognized breeds' and got the following results.

None	290
Golden Retriever	152
Labrador Retriever	102
Pembroke	91
Chihuahua	89
Pug	58
Toy Poodle	46
Chow	45
Pomeranian	39
Samoyed	39

Table 1: The most predicted dogs

prediction	confidence	prediction	confidence
Chow	0.999953	Komondor	0.958819
Labrador Retriever	0.999885	Clumber	0.946718
Chow	0.999876	Black and tan Coonhound	0.854861
Chow	0.999837	Keeshond	0.844431
Dalmatian	0.999828	Bull Mastiff	0.815618
Chow	0.999823	Bernese Mountain Dog	0.778240
Old English Sheepdog	0.999715	Brittany Spaniel	0.775591
Pug	0.999365	Blenheim Spaniel	0.734041
French Bulldog	0.999201	Doberman	0.724541
Pug	0.999120	Samoyed	0.714809

Table 2: Images with highest confidence

Table 3: Most well-recognized breeds

Although there are many pictures that couldn't predict the dogs from them (labeled as 'None'), the top ten pictures which have the highest average confidence to tell the breed of dogs. Golden retriever has the most tweets could also be the most popular dogs kept as pets. Chow have the highest confidence value, and Komondor is the most well-recognize, both of them have strong physical traits, seen in their stylish fur and appearance.

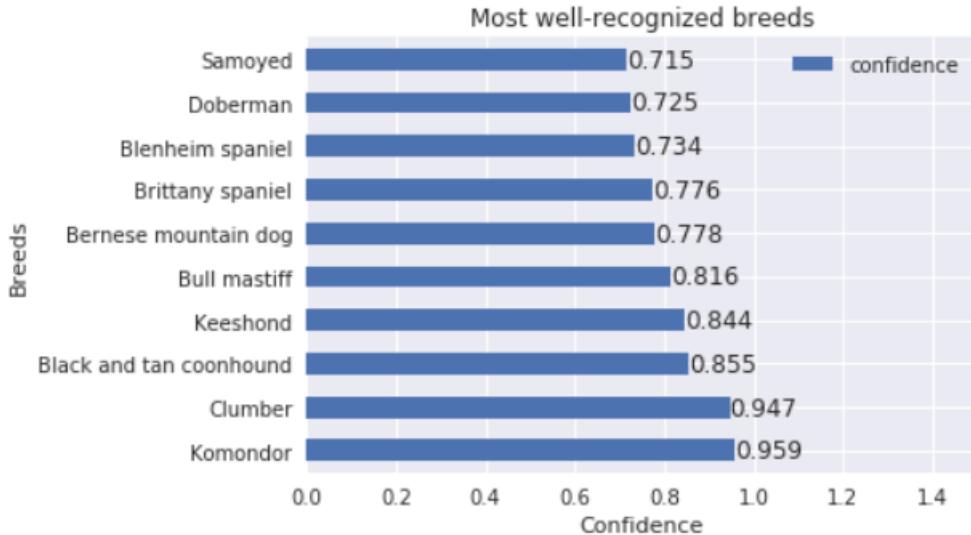


Figure 2:



Figure 3: Top recognized dogs  
(left: Golden retriever, center: Chow, right: Komondor)

## Total favourites and retweets

Tweets with many favourites often gain more attention; tweets with many retweets often gain more favourites. What were the retweets of the favourite tweets? What breed got the maximum favourites? Is it a pupper we knew in the previous section? We will show two figures below, the first figure will be a scatterplot of all favourites and retweets, we expect it will be positive related. The next figure will reveal which tweet got the highest count of favourites and retweets, and see whether it matches our guess!

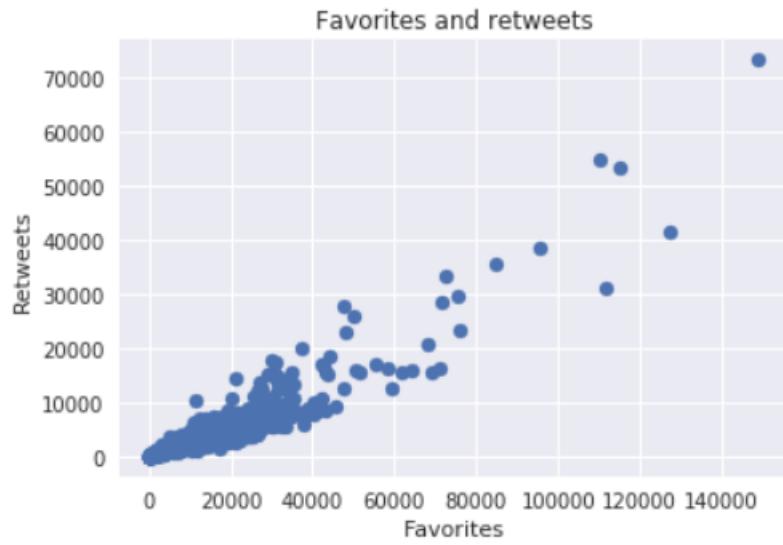


Figure 4:



Figure 5: The most favourite tweet

And the Oscar goes to tweet number **'727524757080539137'!!!** A lovely Pomeranian pupper got his haircut at May 3 five years ago. Look at those watery eyes and its short fuzzy body, no wonder it got a 10/10. You deserve the winner, cutie. The favourites and retweets have a positive correlation, which is what we expected.

## Favourites and retweets of puppers: An overall review

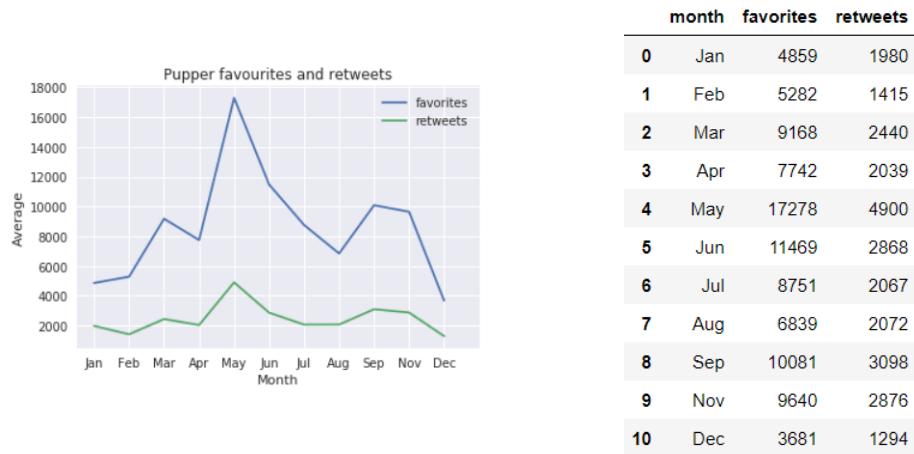


Figure 6: Pupper favourites and retweets

It is surprising that there were no information about the puppers in October, also the line peaked at summers and dropped at winters. We reckon it resulted from people choose to walk their dogs more in summers while some owners keep them as an indoor pet, especially when their dogs are still a puppy. Although we only have 196 pieces of data about the puppers, we obtained many interesting insights about the dogs from this amazing account **WeRateDogs**.