

Who is the king?

Since I have started working on this project, I could not get these two questions out of my mind. **Which dog was most retweeted and which one had the most favorites?** Strangely enough, these two questions had the same answer. It is the dog in figure 1, with a retweet count of 76014 and a favorite count of 153411, he was king.

I had to do some more digging to find out how and why this happened, I was greeted by [this video](#) when I checked out the original tweet. This cute creature was being filmed when he realized he can stand in the pool and that is not the best part. The best part is the reaction on his face when he started doing it, he enjoyed it and decided he is just going to stand there for a while.

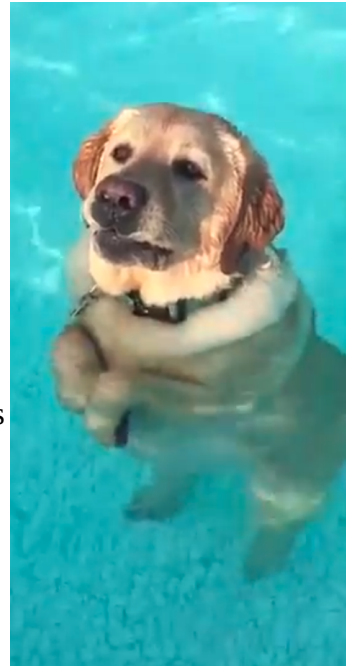


Figure 1: The king

Or should I say dogs?!

Now that we heard the voices of the people, let's see which dog [WeRateDogs](#) thought deserves their highest rating. The image in figure 2 showed me why this image has a rating 14 times the mean rating, it is because this image has **13** dogs in it. Maybe WeRateDogs rated this image by summing the individual ratings of every one of these dogs.

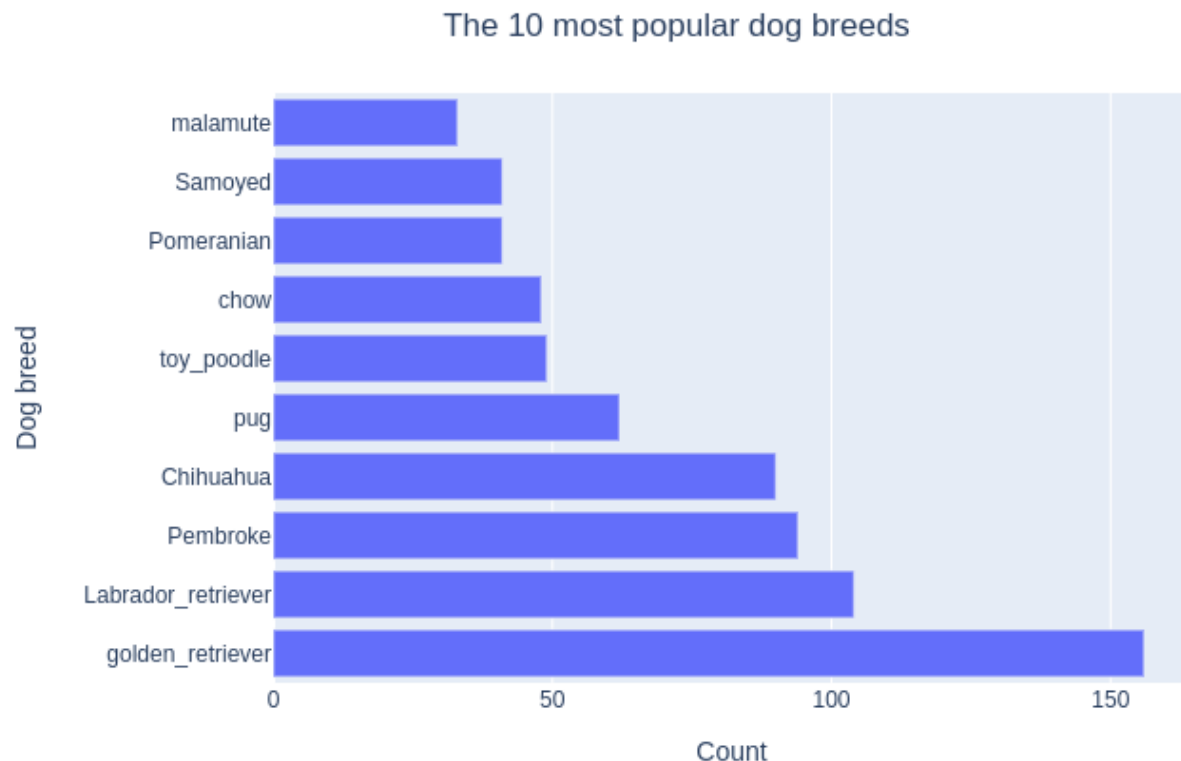


Figure 2: Highest rated image

What are the 10 most popular dog breeds?

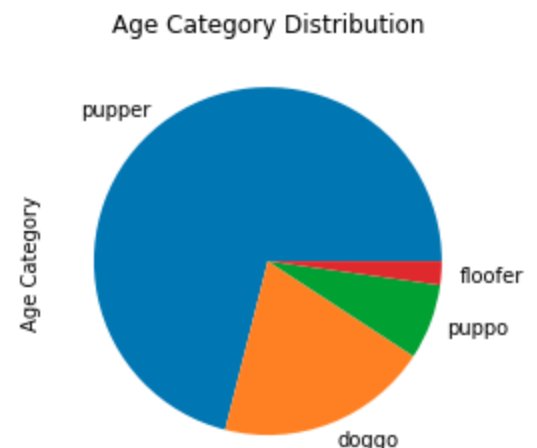
I used Plotly to make most of the upcoming plots, the plots may not shine here as they do in Jupyter as they lost their edge over matplotlib's plots when I extracted an image of the visualization from the Jupyter notebook.

Golden retriever being the most popular breed with a huge gap between it and the second breed is not a surprise, they are very friendly.

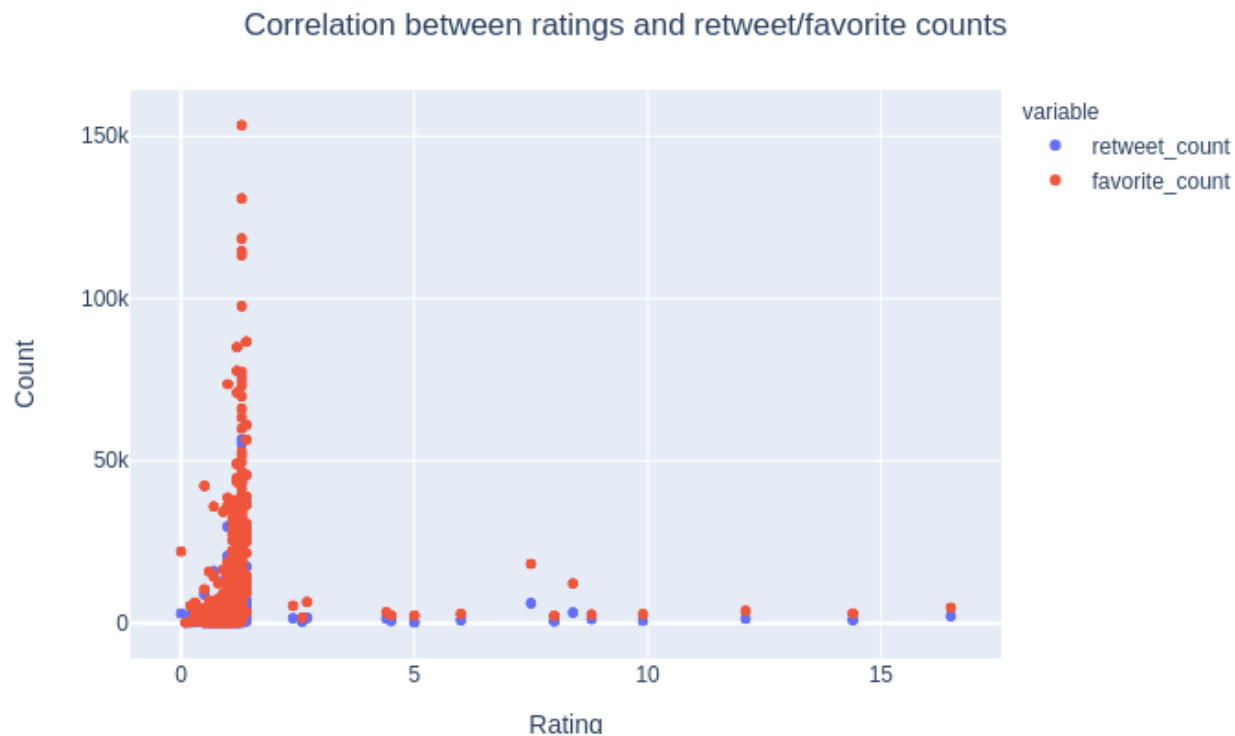


What is the age distribution?

This answer should be taken with a grain of salt though, let's not forget that most of the tweets did not have an age category in their text body. So this pie may not tell us the full story. I would have taken the time to train a Convolutional neural network to help with the missing values but then I realized humans love dogs whatever their age is and that age is just a number.



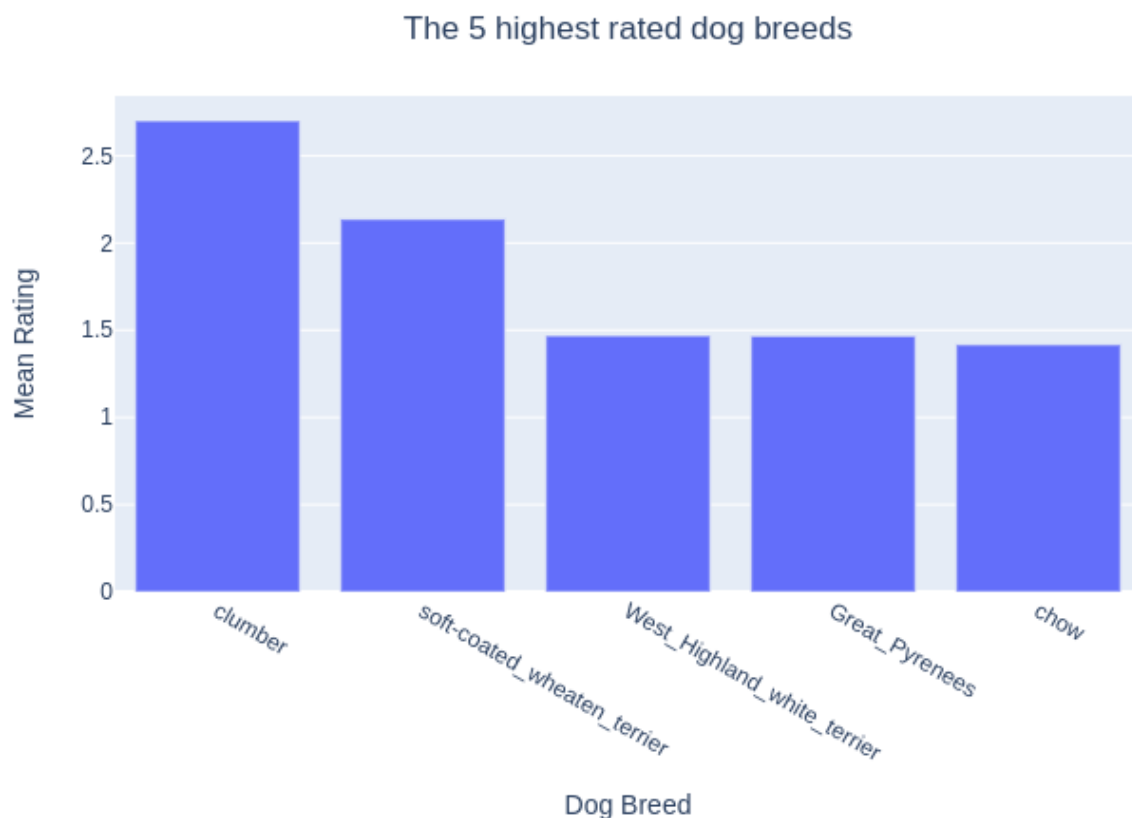
How strong is the correlation between ratings and retweet/favorite counts?



According to the figure above, WeRateDogs is a professional entity and is never biased because of their followers' opinions.

What are the 5 highest rated dog breeds?

To be fair, when I made the visualization below, I did not consider weights. I should have made sure all breeds are represented in an equal manner before drawing a conclusion like that.



What are the 10 most popular dog names?

