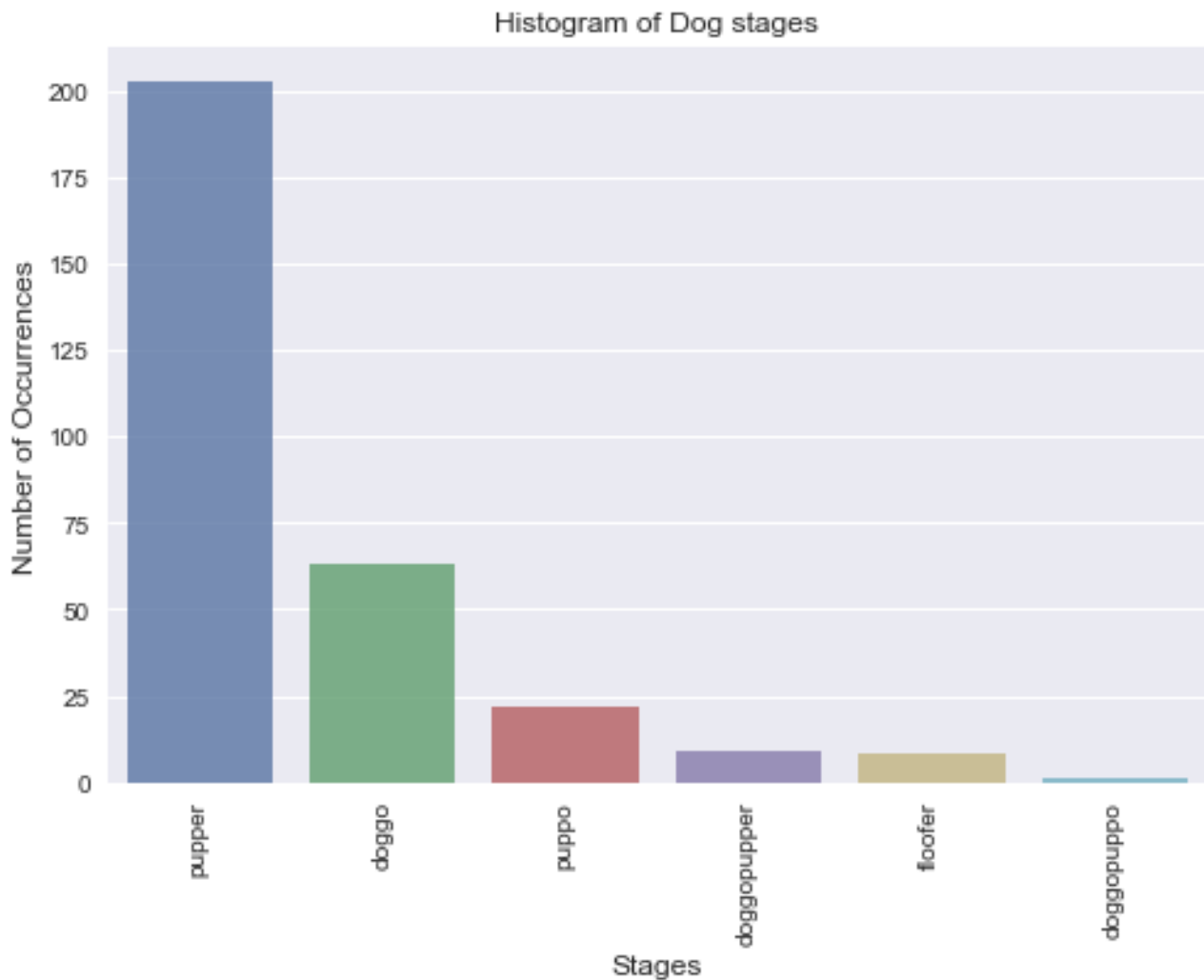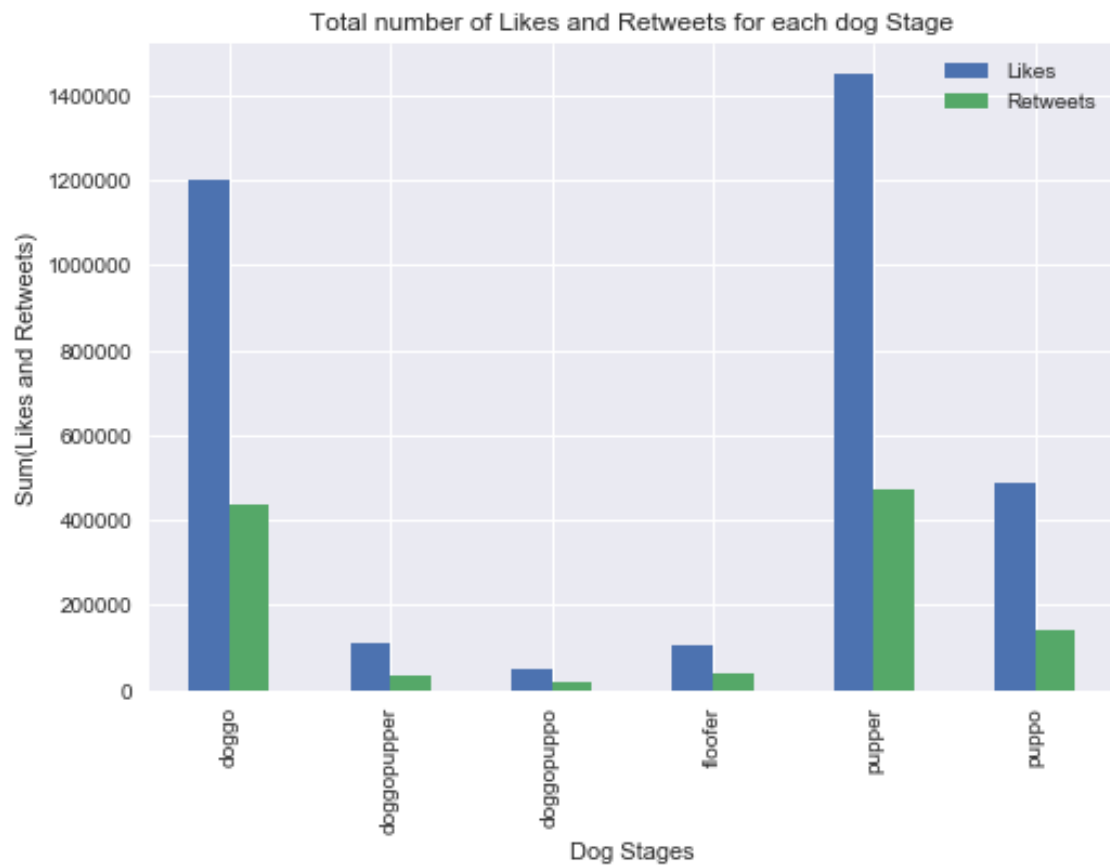**WeRate Dogs Analysis**

June 2018
Nasim Khadem

With 6.92 million followers WeRateDog has gained popularity among dog lovers for it's "professional Dog Ratings Scores". People can simply post pictures of their dogs and their dogs will be rated. But let's look at some trends in WeRateDogs twitter archive data.
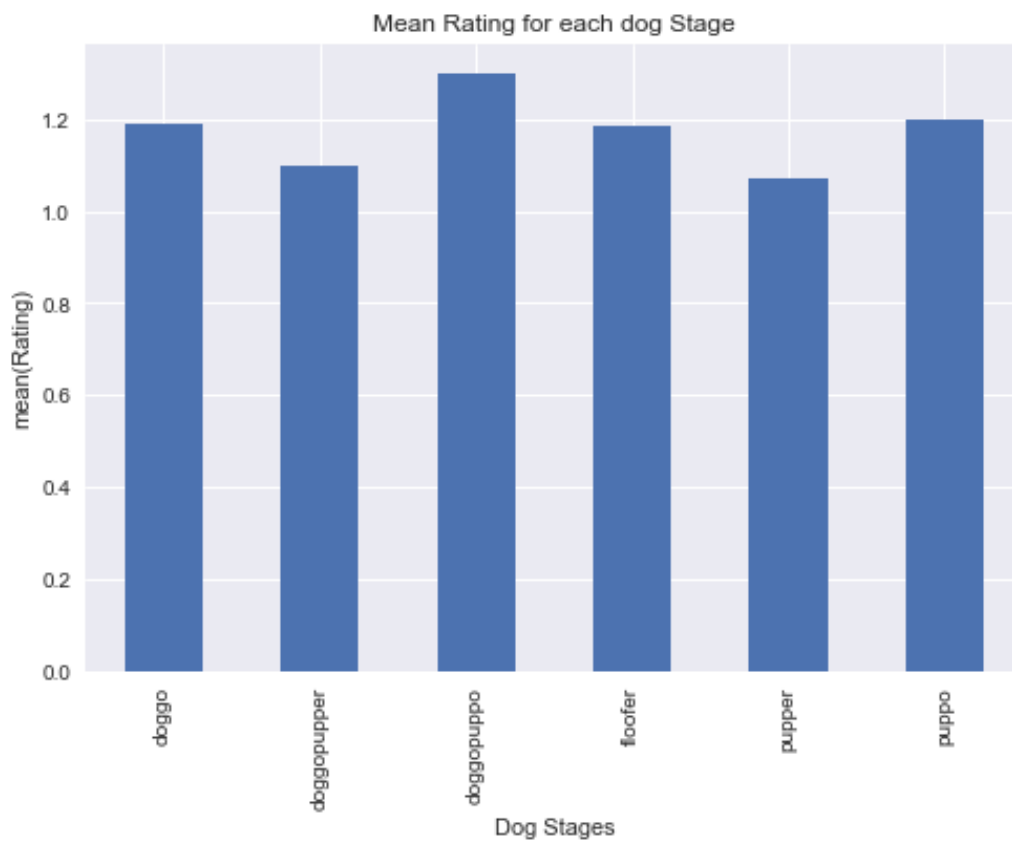
After downloading and cleaning the data we can look at stages of dogs that are present in our data. As the plot below shows the pupper is the most dog stages that we have in our data. The doggopupper and doggopupper happens when there is picture of two dogs. Usually a doggo together with a pupper or puppo..

Let's now look at the stages of dogs and how much likes and retweets each stage gets.

Total number of Likes and Retweets for each dog Stage

As seen in the picture above The total number of like and retweets is still highest for the puppers. That is most definitely because puppers are the cutest. Also since puppers are the highest among our archive the probability that they get more likes also rises.

Mean Rating for each dog Stage

However the average rating is the lowest for the puppers and the highest for doggopuppo combination. Also doggo and puppo have better ratings than puppers.

Let's now take a quick look at statistics behind different dog stages. As the table below shows only 306 dogs have stage information.
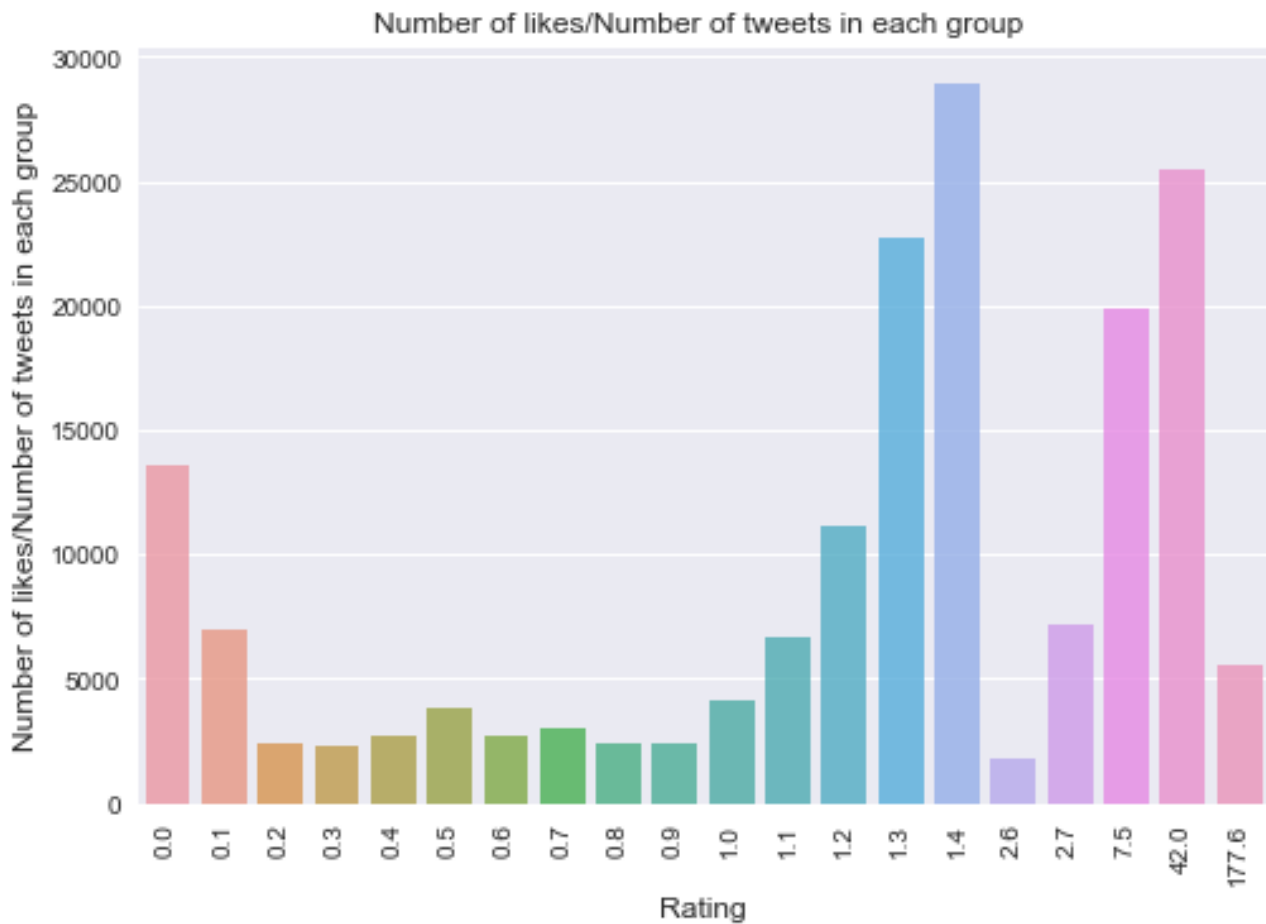
stage	Count	Likes	Retweets	rating
doggo	63	1199358	435999	1.188889
doggopupper	9	112150	35911	1.100000
doggopuppo	1	46959	18698	1.300000
floofer	8	107326	37048	1.187500
pupper	203	1450029	469722	1.071429
puppo	22	489268	142274	1.200000

However let's look at the archive from a different angle : through rating of dogs.

Histogram of Rating

Well it seems that 1.3 group is the winner in this plot with highest number of likes. And 1.2 and 1.1 are the runner up and third place.

However Let's divide the values by the number in each group to see if there are some hidden patterns in our data.

Number of likes/Number of tweets in each group

Oh wow , completely different. Now dogs with rating of 1.4 are the ones that are most liked. I put here as a bonus point one of the dogs with 1.4 rating .

WeRateDogs™ 🏳️‍🌈 ✓
@dog_rates

Follow

This is Cassie. She is a college pup. Studying international doggo communication and stick theory. 14/10 so elegant much sophisticate
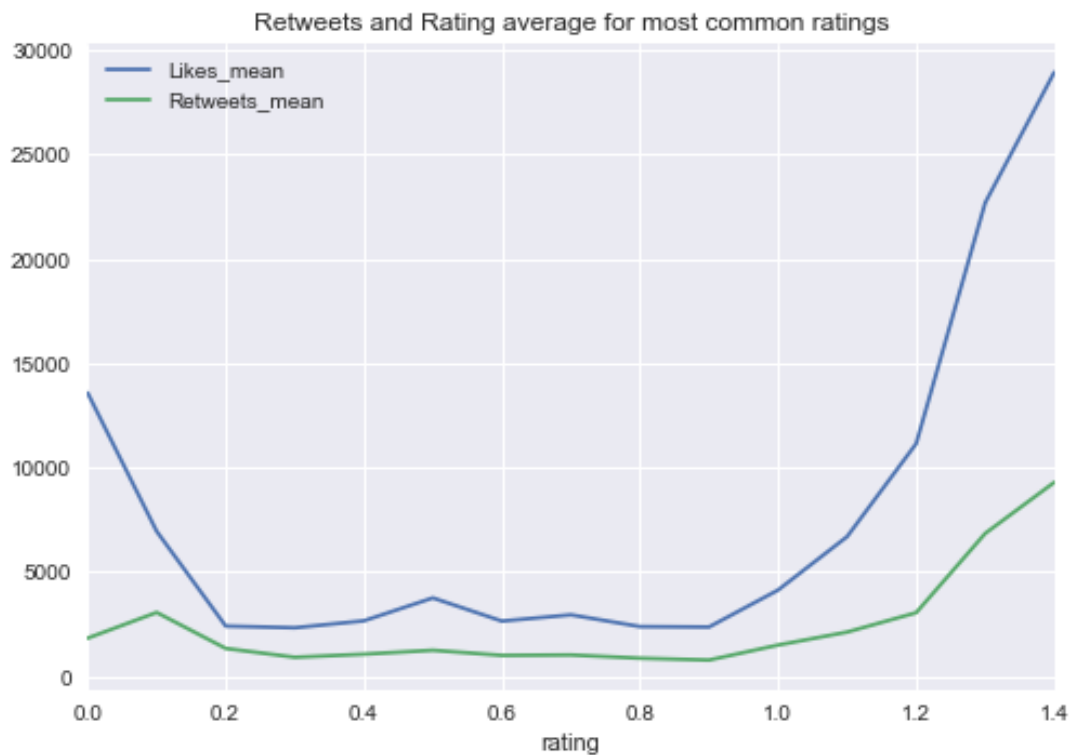
However who is the second dog with a rating of 42 which has so much ratings ?
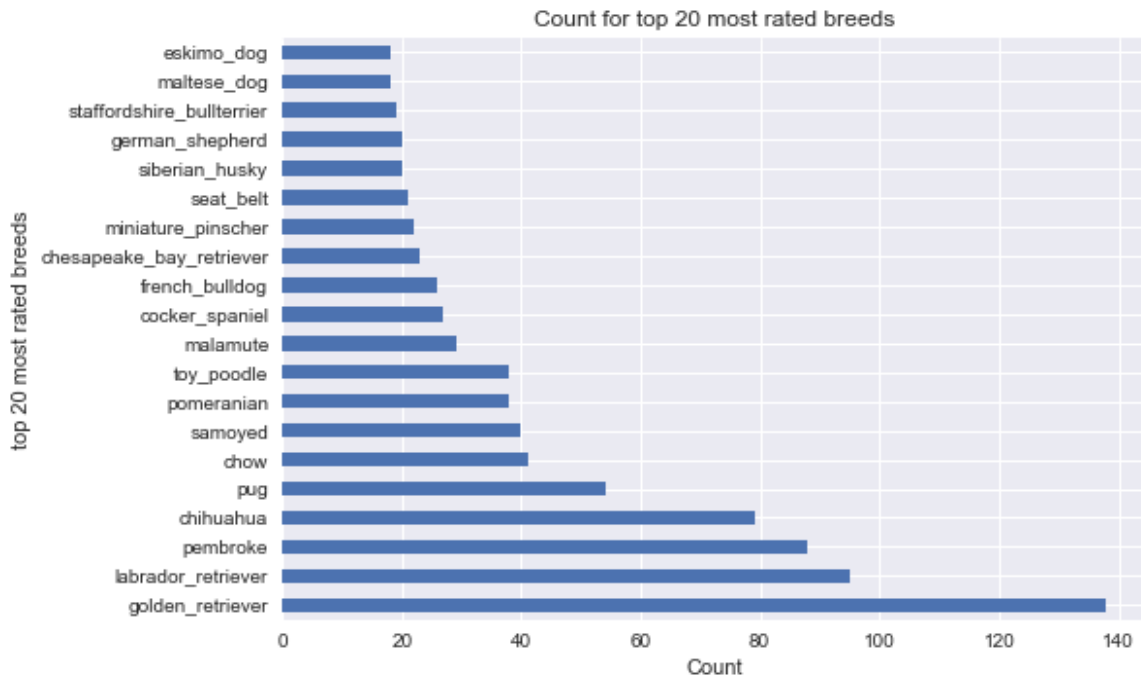

Well he indeed is a good Dogg.

I also made a a plot to show the relationship between the likes and retweets and the ratings. I filtered out the ratings which had only one member.
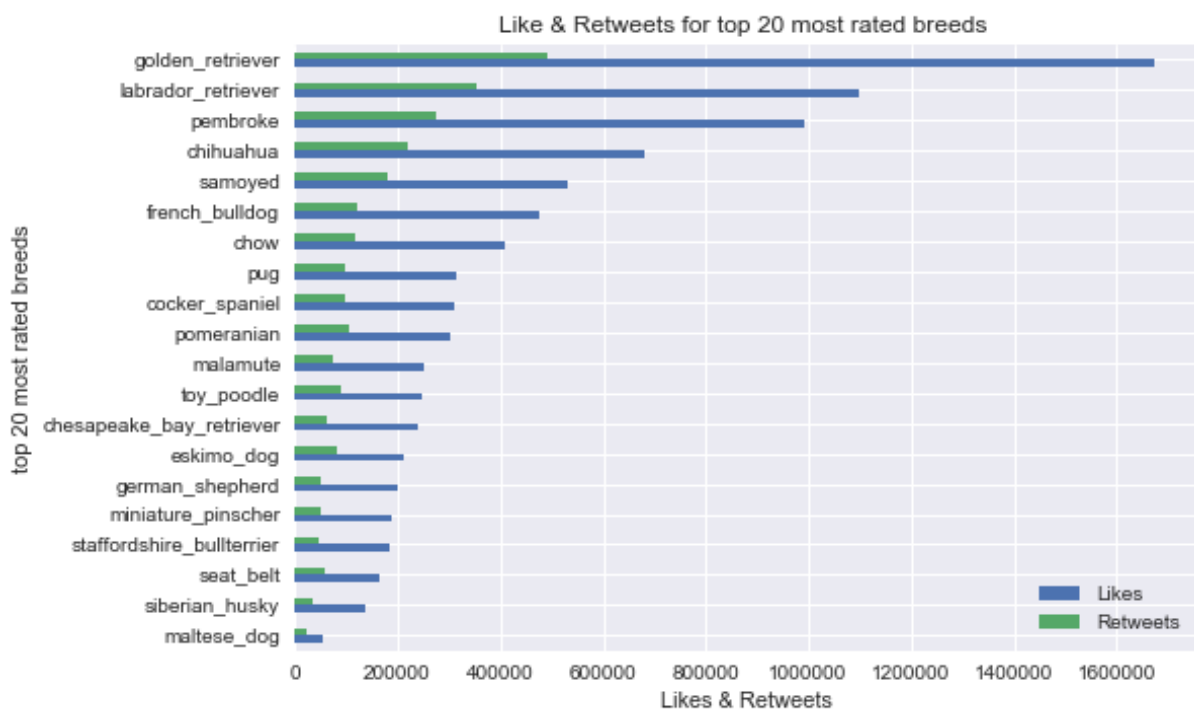

As the above plot shows the higher the ratings get the higher the retweets and likes are. For group 1.4 the retweets and the likes are the highest.

Well after all of the intense dogs let's look at what breed has been most rated.
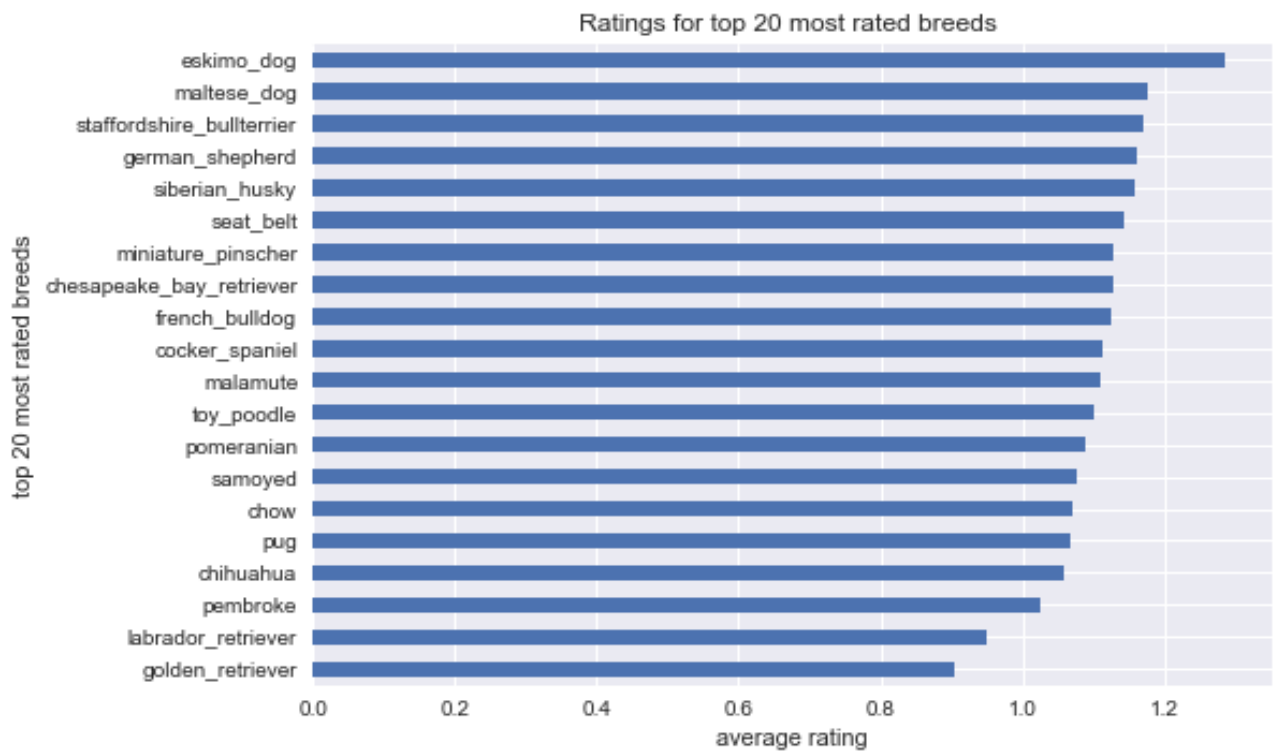

Count for top 20 most rated breeds

Looks like gold retriever with a value of 138 has been the most rated dog in our data.

However let's look which breed get the most likes and retweets.

Like & Retweets for top 20 most rated breeds

Again the golden retriever has the most likes.

But let's look on average rating for each dog and see which breed has the highest average rating.

Ratings for top 20 most rated breeds

Well Looks that with a rating above 1.2 the eskimo dog has the best rating between most rated dogs.