

Possible Insights into We Rate Dogs

BY

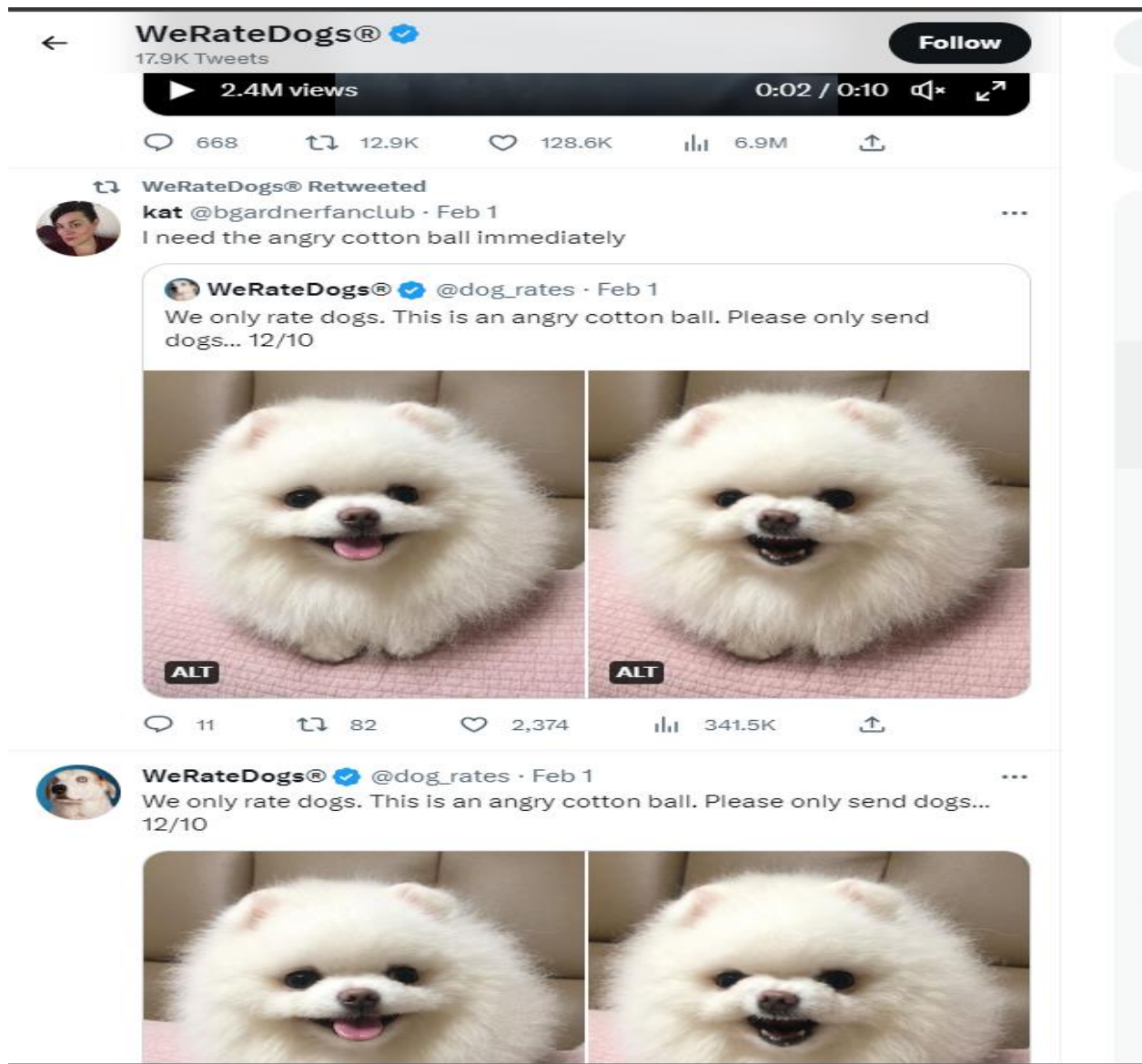
Williams Miebi Gbeneowe

We rate dogs is a popular twitter account that rates people's dogs with humorous comments attached. The dogs' photos and videos are usually used to rate the dogs. The dogs are scored over 10, the numerator is usually higher than the denominator (10), although it does not make sense from a logical point of view, I guess that's just a way to lay emphasis that the tweets are focused on the humor and nothing serious. I do not know or understand the yardstick used in giving scores to the dogs, I guess it's just a fun way for dog lovers to interact. As at the time of creating this report (January 2023), the twitter account has over nine million followers.

I will show some insights that can be gotten from the data gathered from the twitter account. The insights can be used by someone who is interested in getting a dog based on popular opinion. It can also be used by dog sellers to Influence their customers choice.

Insights such as the most popular dog breeds, the most liked dog, and the most retweeted dog breeds. Was gotten from the data.

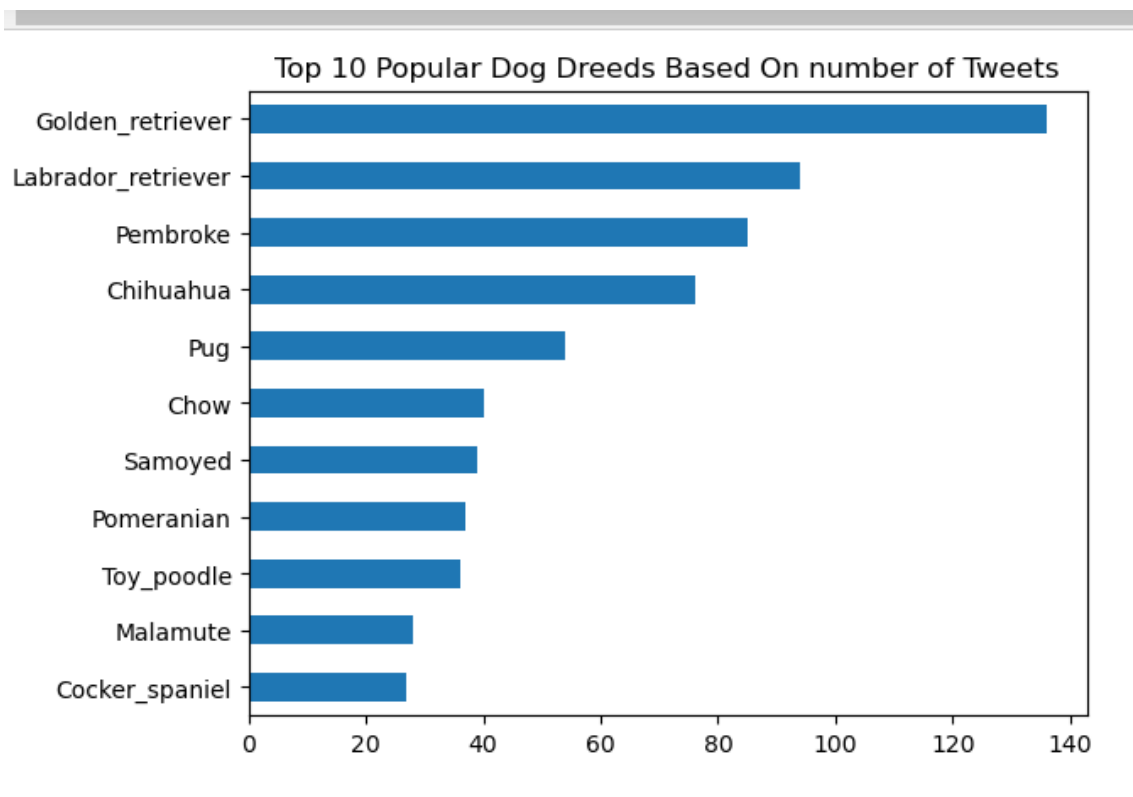
As it's seen in the picture below, a twitter user finds the twitted dog adorable and says she wants one of them.



The twitter user seems to like the angry cotton ball.

INSIGHTS

Most popular Dog Breeds.



The most popular dog breed based on number of tweets as seen from the plot beside is the Golden retriever, Followed by the Labrador retriever and the Pembroke followed by the infamous chihuahua and the pug which comes in at 5th place.

The factors that affect how popular a dog is and why the dog breeds above in the plot were the most tweeted and talked about is a mystery right now and it's beyond this analysis, perhaps it has to do with the morphology of the dogs or their ability to socialize with humans. It'll make for an interesting study.

To determine the overall most popular dog breeds based on the dataset analyzed, some other indices such as the favorites count and retweet counts comes into play. A plot of both the favorite counts and the number of retweets is displayed in the figure below.

Maybe a picture of the 5 most popular dog breeds will help us to see if it's about the physical traits of the dog.



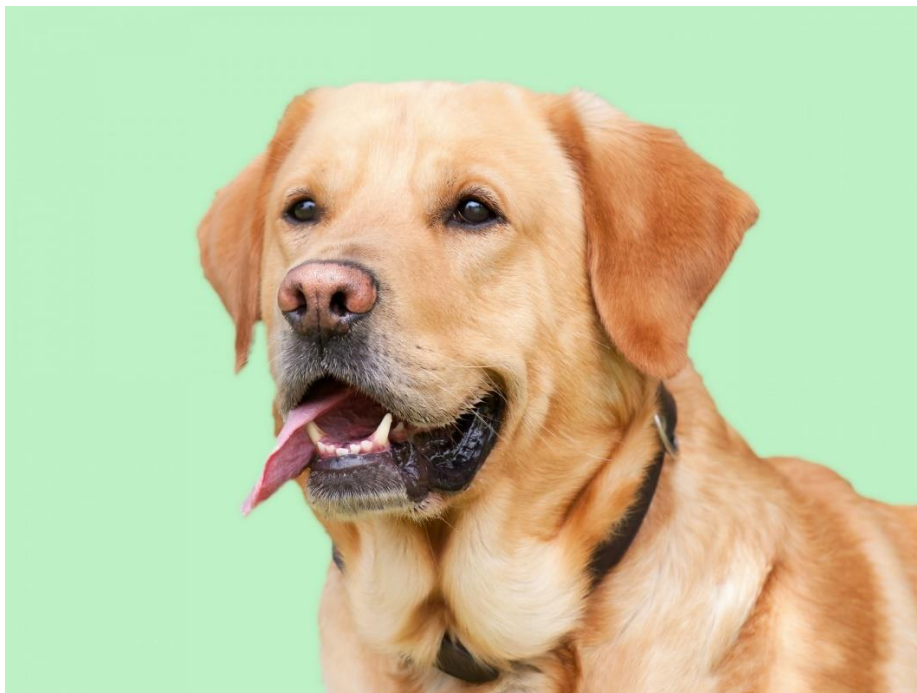
A cute pug breed posing for camera. It looks like it's aware of what a camera is.



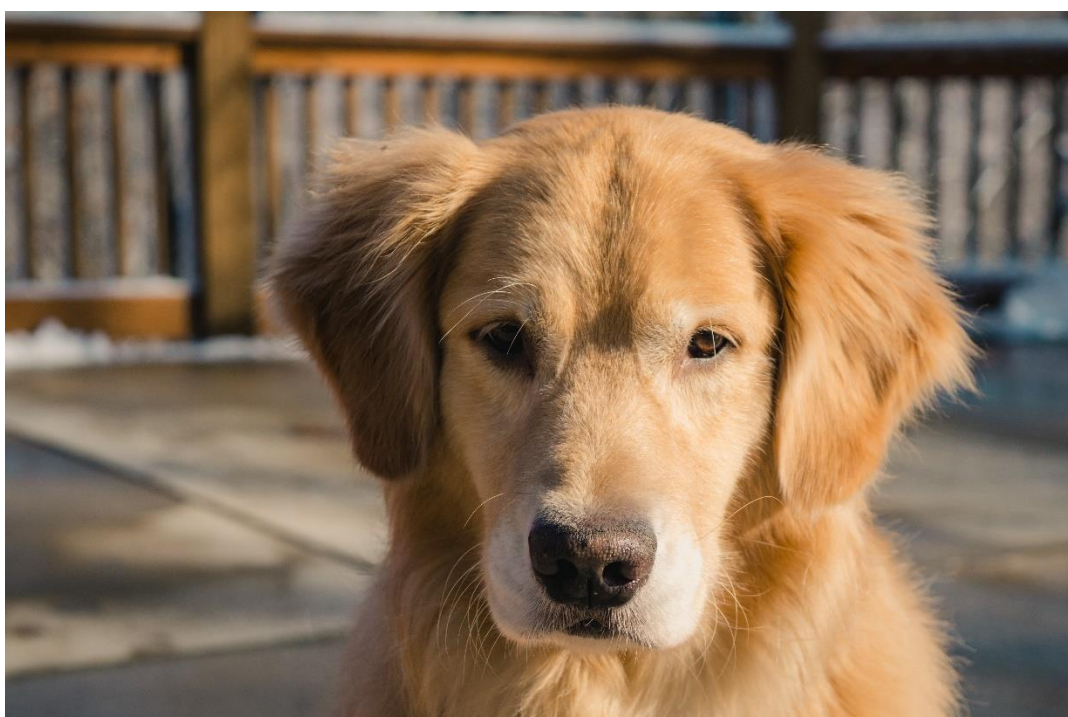
A cute Pembroke breed .



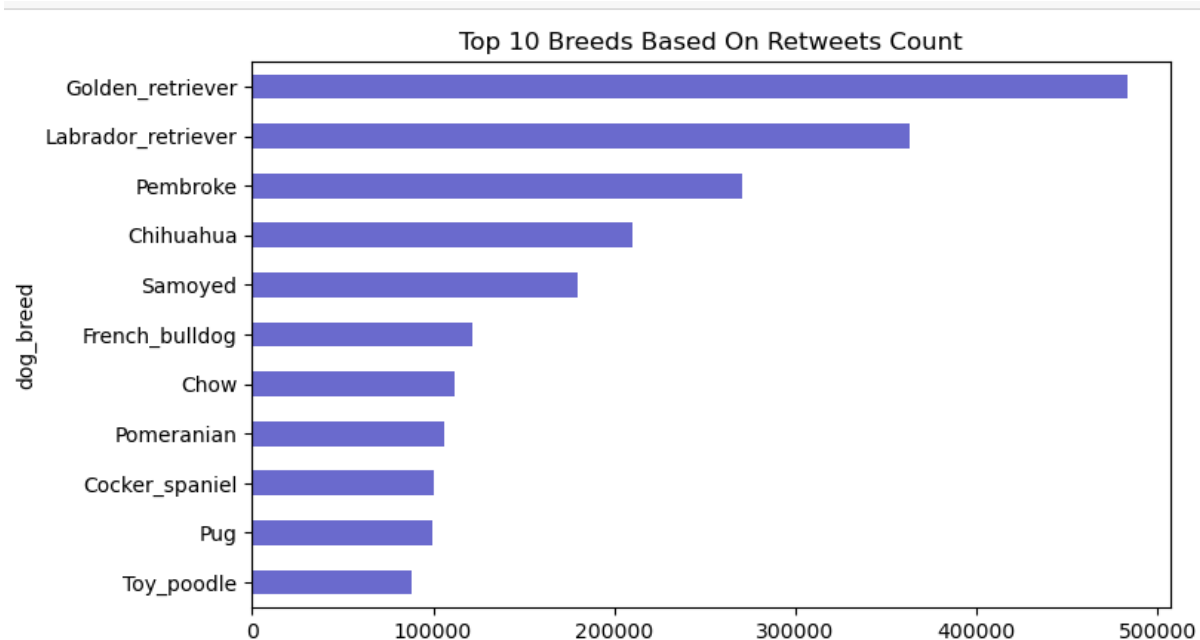
Chihuahuas are notorious for their human like facial expressions.



A cute headshot of a Labrador retriever.



A not so happy golden retriever that still looks cute.



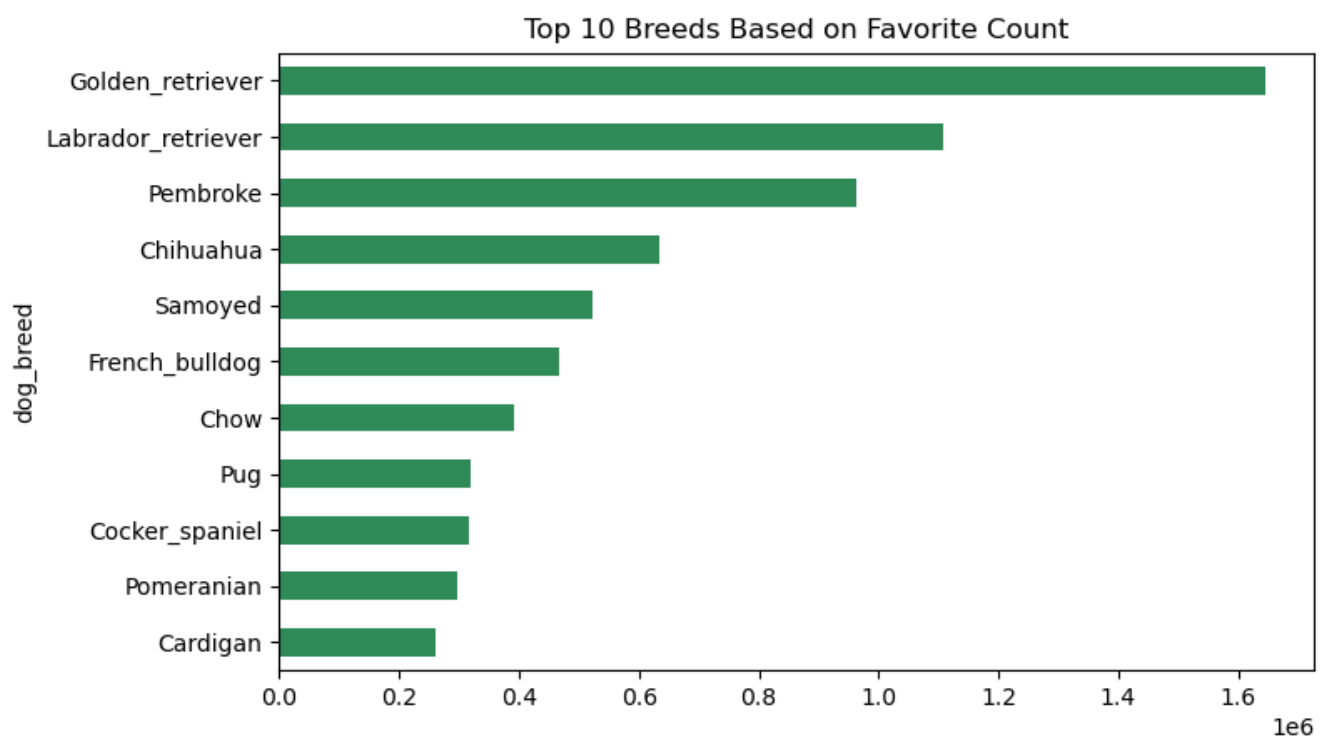
As seen in the plot above the top ten most popular dog breeds based on retweets are golden retriever, Labrador retriever, Pembroke, chihuahua, Samoyed, French bulldog, chow, Pomeranian, cocker spaniel and pug respectively. The top 4 positions were retained from the previous plot based on tweets by the golden retriever, Labrador retriever, Pembroke and chihuahua respectively. The 5th positions this time around went to the Samoyed breed. Although it held the 7th position based on tweets. Cute Samoyed below.



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From the plot below we can see once again that the labrador retriever ,golden retriever ,chihuahua ,pembroke and samoyed breeds appear consistently throughout the three plots.That is an indication that these five dog breeds are the most talked about on twitter.Hence they are the most popular dogs on twitter.These breeds constantly topped the charts as can be seen from the plots above.Positions 1-4 was constantly dominated by the dog_breeds holding the positions across the 3 parameters used for the analysis.The samoyed breed was the 5th most popular dog based on the retweets and favorites counts , but not tweets. Although it came in at no 7 based on tweets.

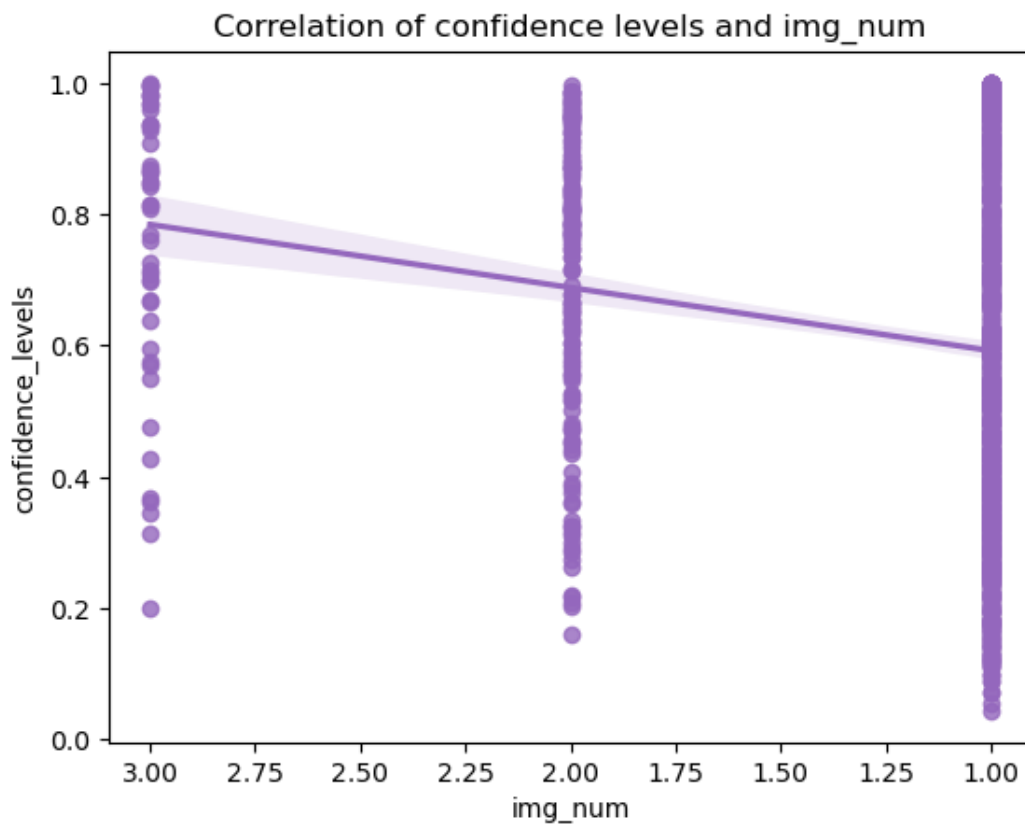
In Summary these plots reveals that these dog breeds are highly popular and most talked/tweeted about amongst twitter users



INSIGHT 2

ACCURACY OF THE NEURAL NETWORK IN PREDICTING IF AN ANIMAL IS A DOG OR NOT.

An album of dog photos was run through a neural network, and it was meant to predict if the photos presented was that of a dog or not. A confidence score was generated and another number between 1-3 was given to categorize how accurate the prediction of the neural network. 1 is the most accurate while 3 is the least accurate.



From the plot above, there is a negative correlation between both variables, and this indicates that there is a decline in the accuracy of the neural network.

INSIGHT 3

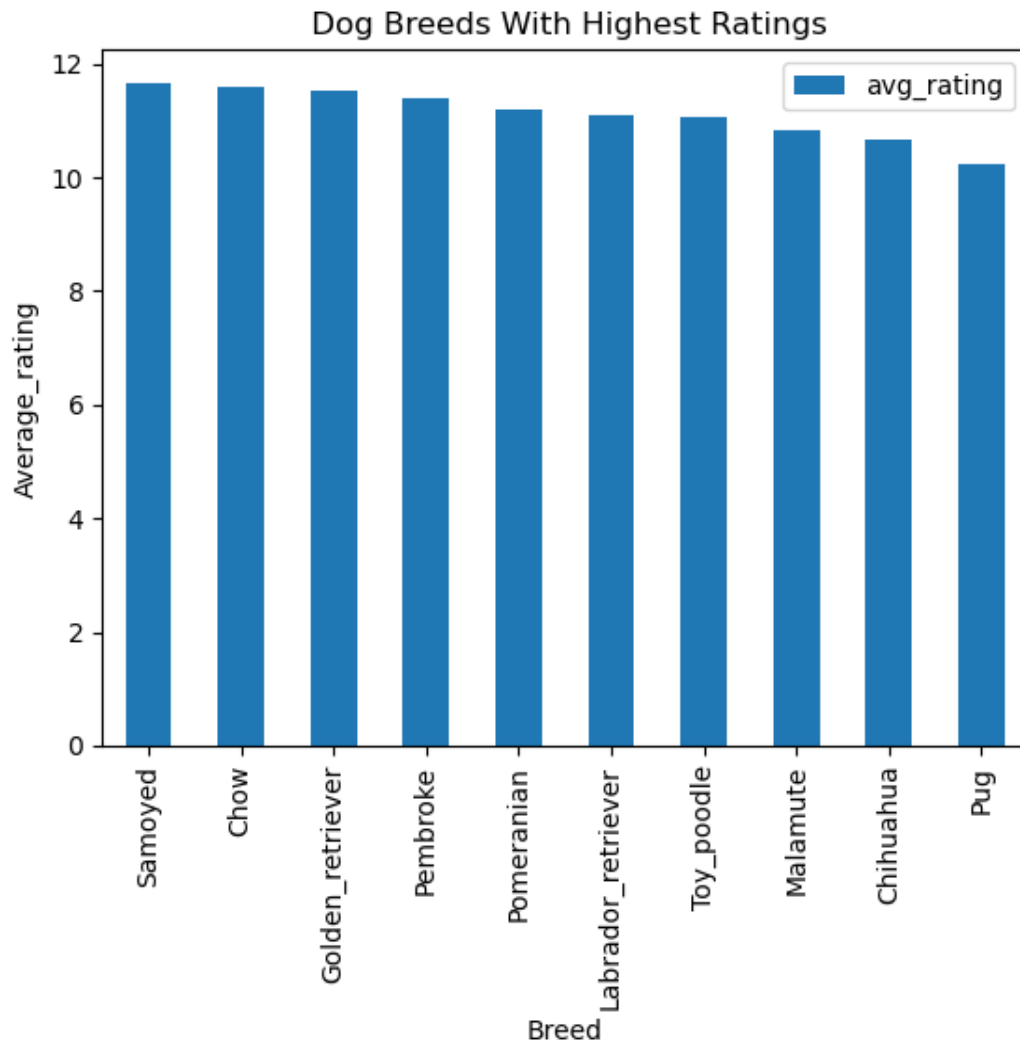
DOG BREEDS WITH HIGHEST AVERAGE RATINGS.

The mean ratings of the dog breeds were used to determine which dog had the highest rating. As it can be seen below.

'''

	breed	avg_rating
11	Samoyed	11.666667
12	Chow	11.600000
13	Golden_retriever	11.544118
19	Pembroke	11.411765
30	Pomeranian	11.189189
36	Labrador_retriever	11.106383
39	Toy_poodle	11.055556
53	Malamute	10.821429
62	Chihuahua	10.657895
85	Pug	10.240741

The dog breeds with highest rating are Samoyed, chow, golden retriever Pembroke, Pomeranian, Labrador retriever, toy poodle, malamute, chihuahua and pug respectively. Once again, we have a very similar list to the other ones we have been plotting. The dog breeds appearing in the plot appear to be very popular amongst twitter users.



A plot to show dog breeds with highest ratings amongst twitter users.

INSIGHT 4

DOG BREEDS WITH LEAST RATINGS.

	breed	least_avg_rating
0	Japanese_spaniel	5.0
2	Black-and-tan_coonhound	7.0
4	African_hunting_dog	8.0
6	Scotch_terrier	9.0
26	Groenendael	10.0
73	Entlebucher	11.0
74	Appenzeller	11.0
107	Rotisserie	12.0
110	Standard_schnauzer	12.0
111	Silky_terrier	12.0

As seen above dog breeds with least ratings are the Japanese spaniel's, black and tan coonhound, African hunting dog , scotch terrier Groenendael, Entlebucher, appenzeller, rotisserie, standard schnauzer and silky terrier.

For an average dog lover , these breeds are not very common, hence it's understandable why they were given lowest ratings. Although there is no standard yardstick given by the twitter accounts about how these dogs are rated. I think it's tied to the physical looks and the popularity of the breed.

References

<https://www.petmd.com/dog/breeds/golden-retriever>

http://t1.gstatic.com/licensed-image?q=tbn:ANd9GcRQRq57PPBe58-ycmLASoiCsF00B4X6_7NpwlwOqpLektRueBEzllFVcQMlBwAg_vruHUaFSCuHVd3Yr0

<https://www.akc.org/dog-breeds/chihuahua/>

https://en.wikipedia.org/wiki/Labrador_Retriever