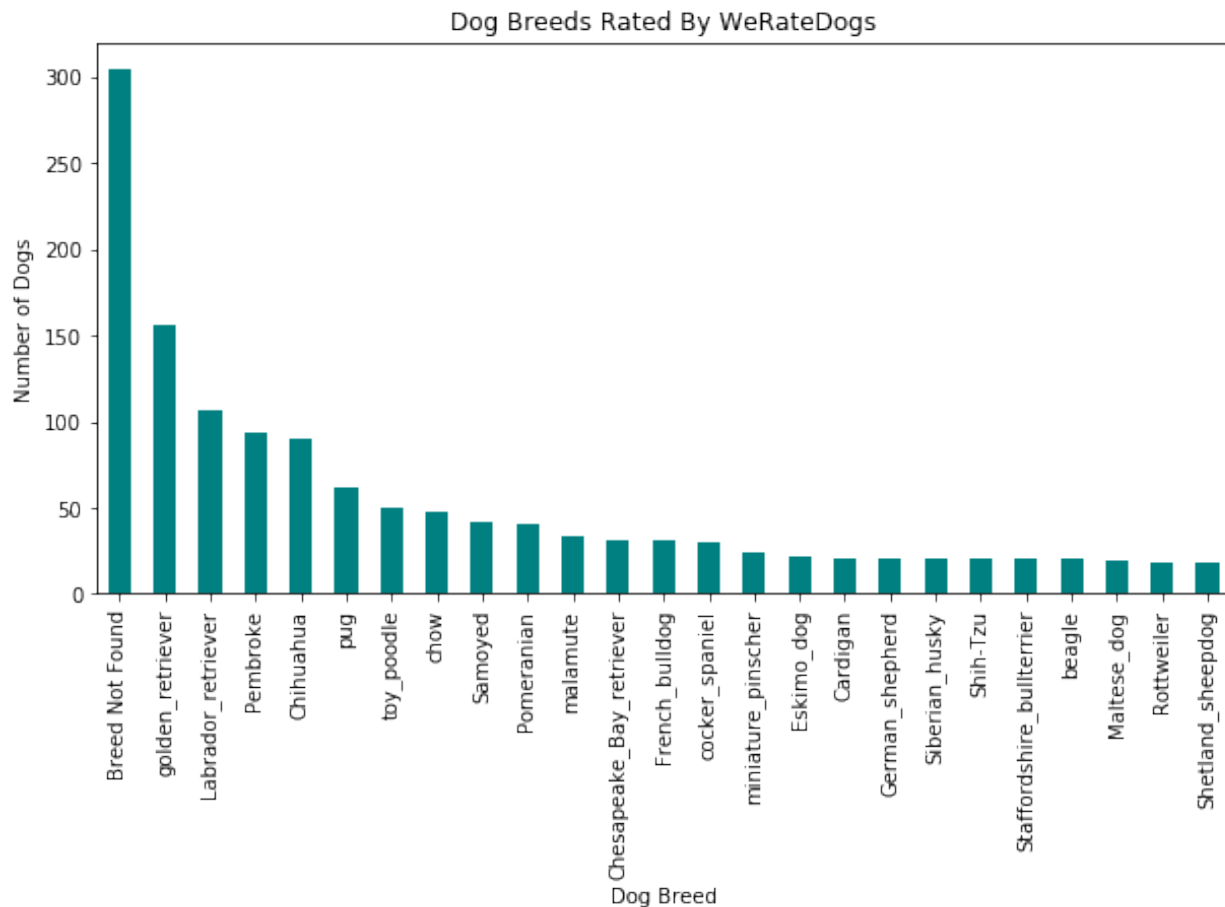


WeRate Dogs Data Analysis

We analyzed data from the twitter archive of user @dog_rates, also known as WeRateDogs. The twitter archive contains more than 5000+ tweets but we only selected data pertaining to original tweets with images. We have excluded retweets and replies for the purpose of our analysis as well as tweets which do not have images. The WeRateDogs page has a unique system of rating dogs, where the denominator is 10 and the numerators are always greater than 10 in most cases. WeRateDogs

Before analysis, we pulled the dog breed prediction from the image predictions file for each tweet based on which prediction is true. We have the retweet count and favorite count for all the tweet data.

Upon analysis, we counted the number of tweets by dog_breed_prediction to see which breeds were more rated.

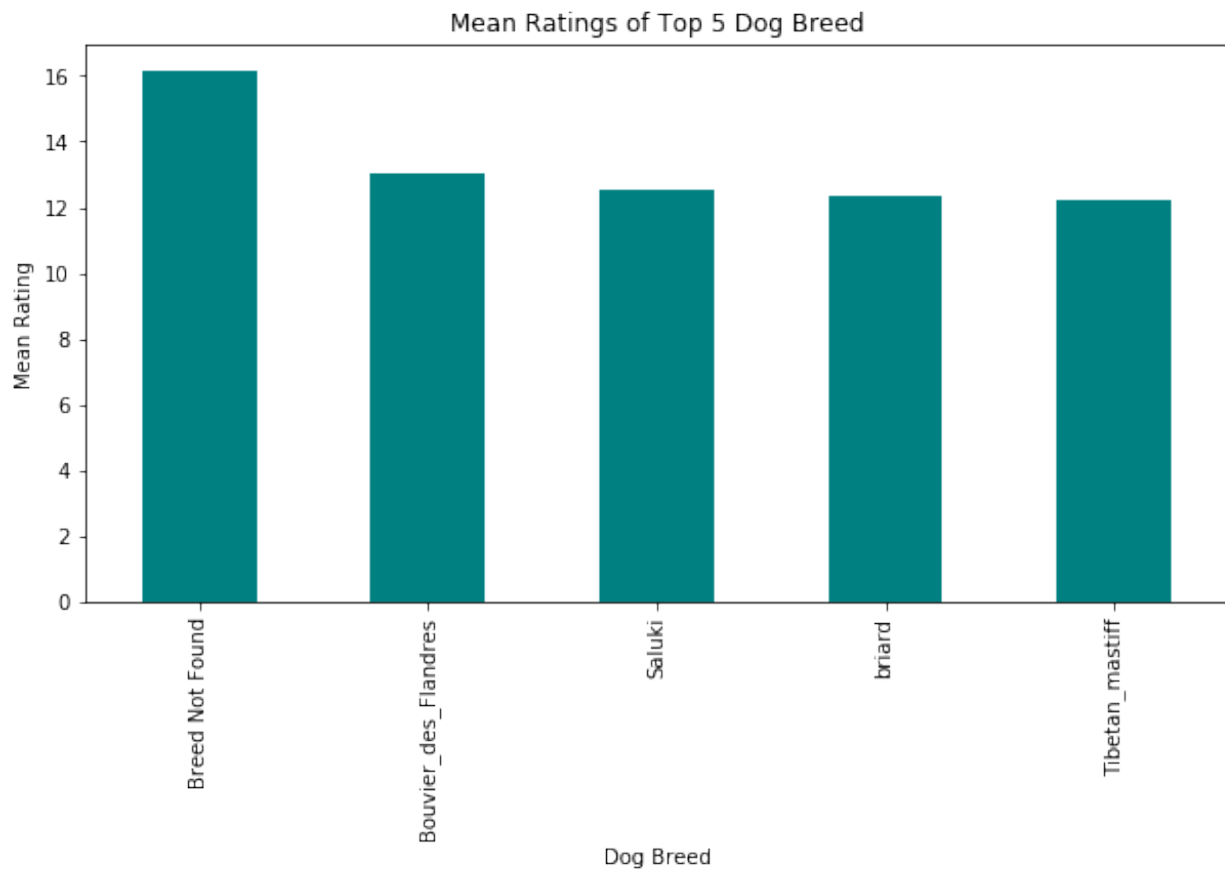


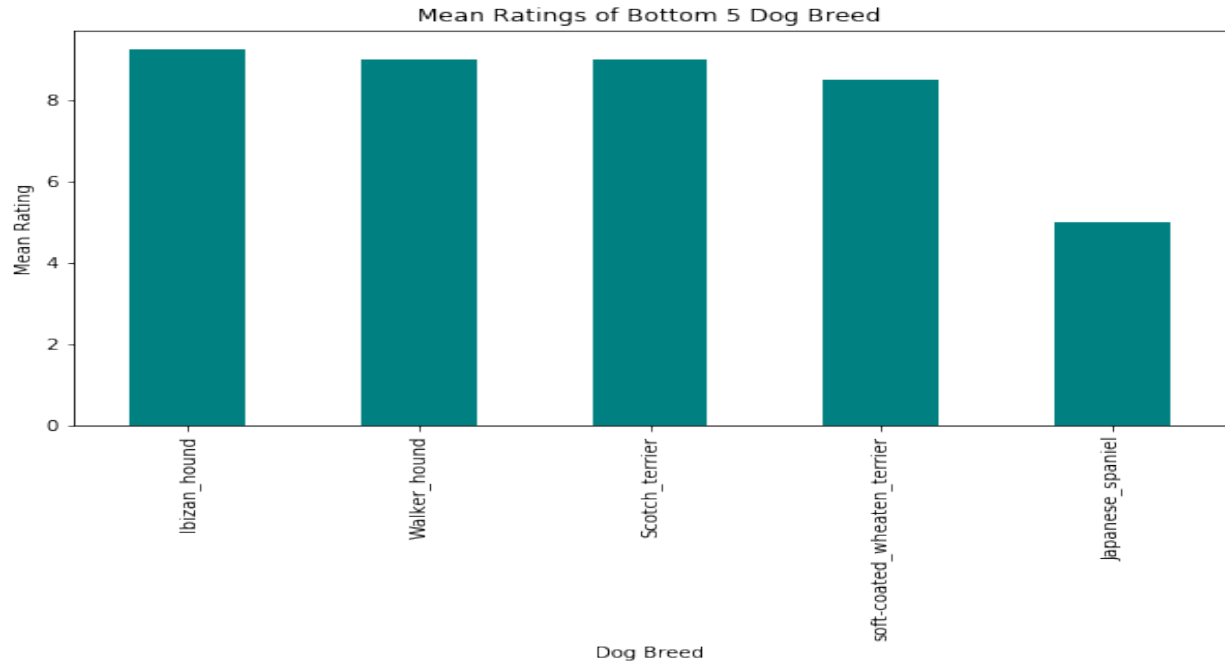
Insight 1:

The top three breeds which are rated at WeRateDogs are:

1. Golden Retriever (156 dogs)
2. Labrador Retriever (106 Dogs)
3. Pembroke (94 Dogs)

Further grouped the data by the dog breed prediction and then calculated the mean of the rating numerator. We split the graph into Top 5 and Bottom 5 Breeds since there were so many breeds.

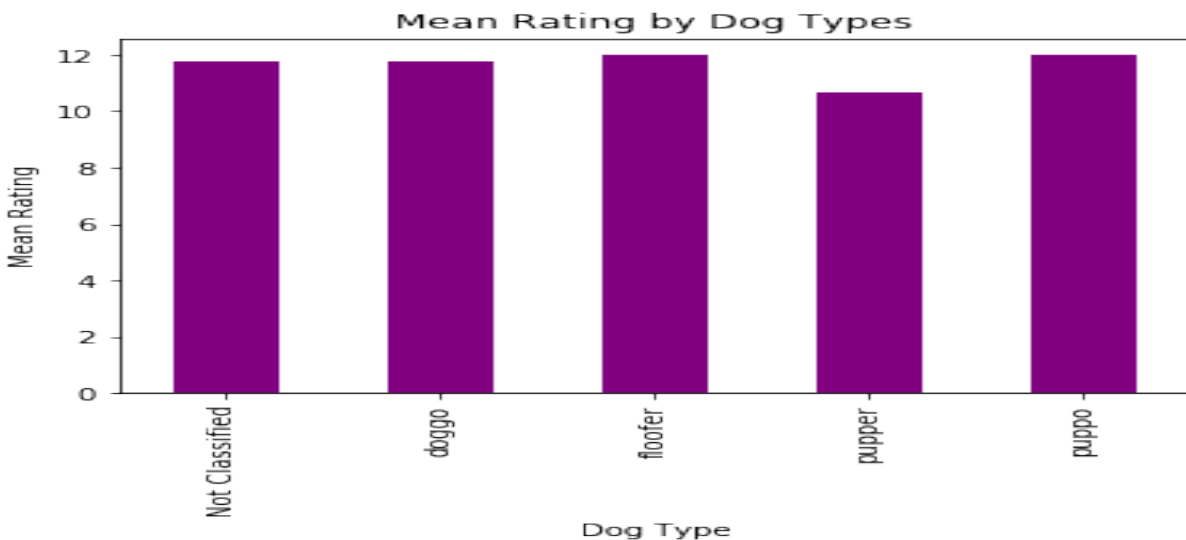




Insight 2:

The dog breed that received the lowest mean rating is Japanese Spaniel and the dog breed that has the highest dog rating is Bouvier_des_Flandres and yet both these breeds have only 1 count of rating received.

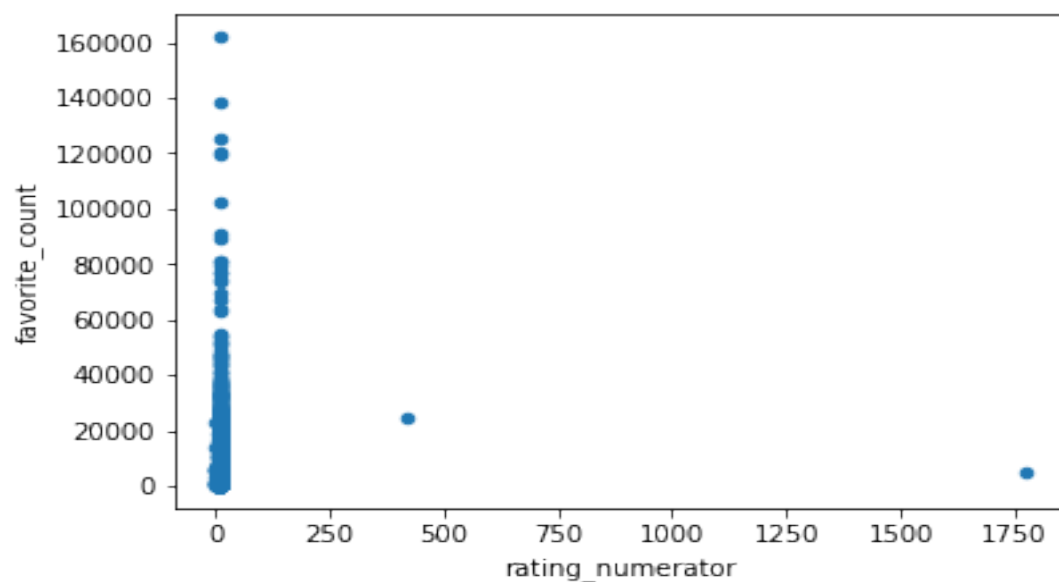
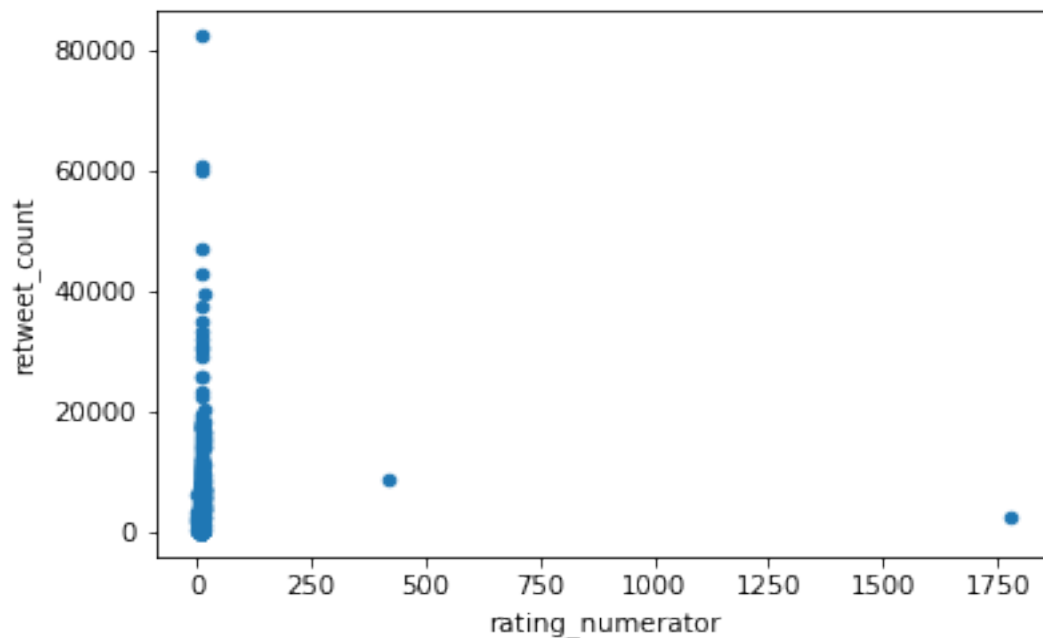
Next we grouped the tweet data by the dog type and calculated the mean rating for every dog type.



Insight 3:

The dog type puppo and floofer have received the highest mean ratings while the dog type pupper has received the lowest mean ratings and we exclude the Not Classified category.

Finally, we plotted the retweet count and favorite count separately against the rating_numerator.



Insight 4:

The tweets that receive high rating often have low retweet count and favorite count values.

We calculated the number of dogs that were assigned to each rating_numerator

Insight 5:

The rating with maximum dog tweets(450) was 12. The next most popular rating was 10 which was given to 419 dog tweets.

Concluding our analysis, ratings are relative and popular dogs do not necessarily have the highest mean rating. Also the highest rated tweets don't guarantee that they will be favorites or will be retweeted.