

Introduction

In this project, we were asked to wrangle, analyze, and provide insights from and about data in WeRateDogs account Twitter archive, which is a popular “account that rates people's dogs with a humorous comment about the dog” (wikipedia)

The data was provided by as part of Udacity, Data Analyst Nanodegree program that included WeRateDogs account tweets data up until the 1st of August 2017 (excluding retweets and replies and tweets that does not include images). The final wrangled data contains 15 columns and 1451 observations.

Analysis

Rating Distribution:

We have a look at the rating distribution.

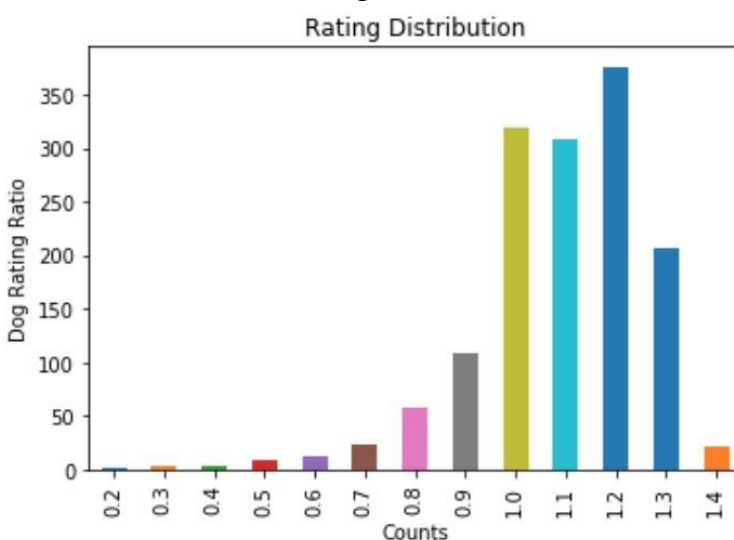
As not all the rating denominator values are 10 so to normalize the ratings ratio of the ratings was taken for this analysis to.

Basic statistics:

	Dog Rating Ratio
Count	1451.000000
Mean	1.091247
Std	0.168807
Min	0.200000
25%	1.000000
50%	1.100000
75%	1.200000
max	1.400000

Chart:

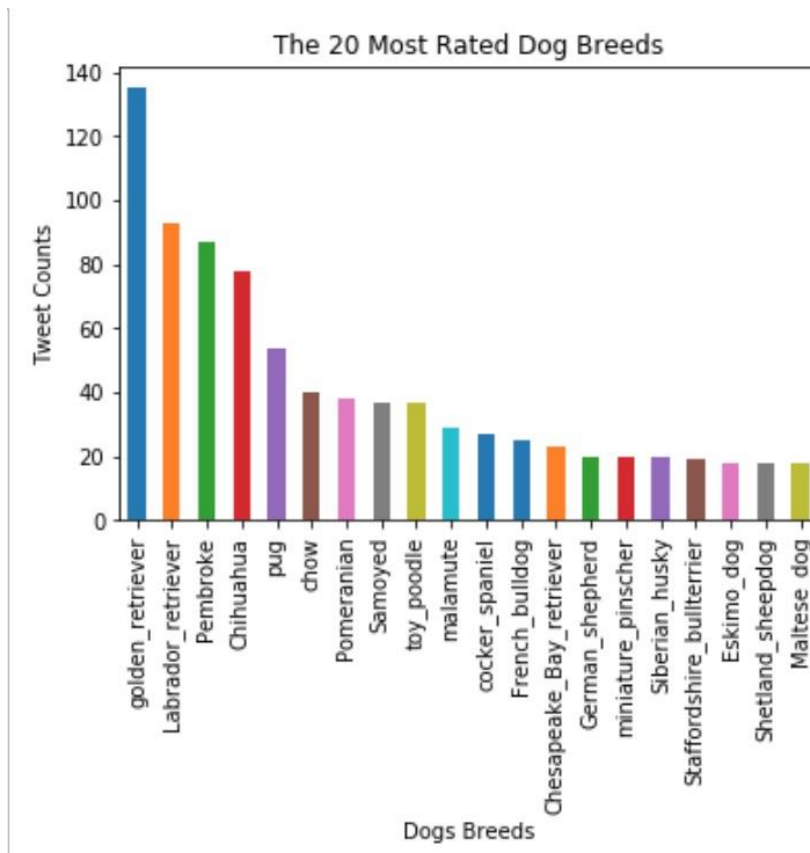
The chart below shows rating distribution.



The chart and basic statistics above shows that the rating distribution is left skewed which means that most of the rating numerators were larger than or equal to denominators, and the min and max rating are 0.2 and 1.4 respectively.

The breed of dogs with the highest popularity:

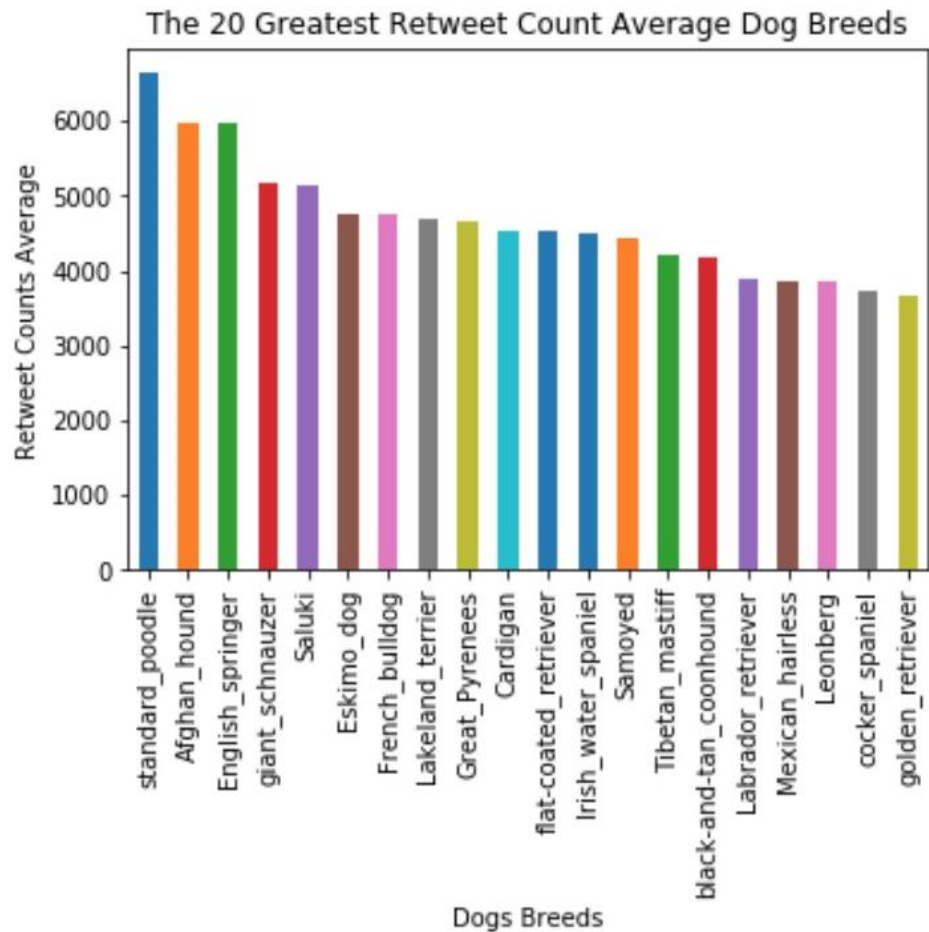
Now we'll take the 20 most rated (tweeted about) dog breeds.



You can see from the chart above that the 5 most rated dogs' breeds are Golden Retriever, Labrador Retriever, Pembroke, Chihuahua and Pug. Golden Retriever with tweets count of 135 for Golden Retriever followed by Labrador retriever with the count of 93.

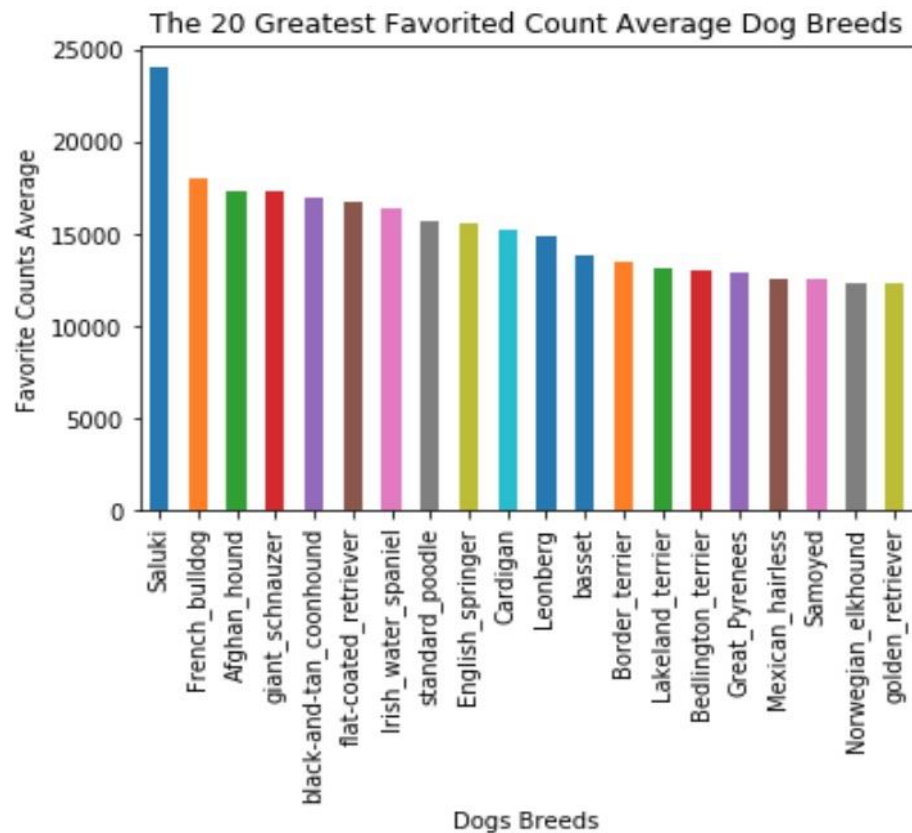
Now we'll see the 20 largest average of retweet and favorite counts in dog breeds.

For 20 largest average of retweet counts:



You can see from the chart above that the 5 dog breeds with largest retweet count average are Standard Poodle, Afghan Hound, English Springer, Giant Schnauzer, and Saluki

While For 20 largest average of favorite counts:



You can see from the chart above that the 5 dog breeds with largest favorite count average are Saluki, French Bulldog, Afghan Hound, Giant Schnauzer, and Black and Tan Coonhound

You can see that all the three breeds Giant Schnauzer, Saluki and Afghan Hound belong the 5 dog breeds with largest average favorite and retweet count but occupies different ranks this might be an indication that these breeds might be considered breeds with highest popularity.