Act Report

This report details the analysis and visualizations of WeRateDogs twitter account. The first thing I visualized was the **STATISTICAL ANALYSIS**.

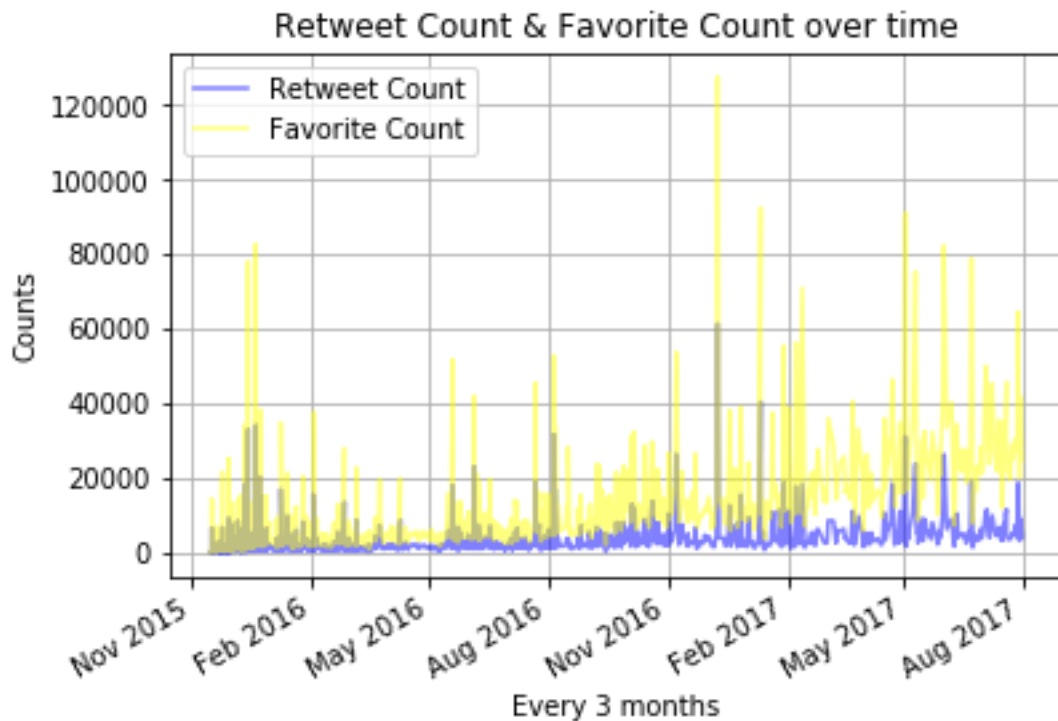|	tweet_id	rating_numerator	rating_denominator	favorite_count	retweet_count	img_num	p1_conf	p2_conf	p3_conf
count	1.299000e+03	1299.000000	1299.000000	1299.000000	1299.000000	1299.000000	1299.000000	1.299000e+03	1.299000e+03
mean	7.327014e+17	12.794088	10.551963	8192.563510	2477.678984	1.187067	0.587034	1.370495e-01	6.144723e-02
std	6.632790e+16	51.115686	7.870937	11451.830248	4002.328552	0.540746	0.273638	1.018687e-01	5.202736e-02
min	6.660293e+17	1.000000	7.000000	80.000000	12.000000	1.000000	0.044333	1.011300e-08	1.740170e-10
25%	6.749026e+17	10.000000	10.000000	1687.000000	568.500000	1.000000	0.354703	5.438335e-02	1.649005e-02
50%	7.062660e+17	11.000000	10.000000	3780.000000	1234.000000	1.000000	0.578120	1.203580e-01	4.953060e-02
75%	7.791841e+17	12.000000	10.000000	10112.000000	2927.500000	1.000000	0.837040	1.982365e-01	9.470910e-02
max	8.918152e+17	1776.000000	170.000000	127518.000000	61239.000000	4.000000	1.000000	4.676780e-01	2.710420e-01

From this Analysis, some key observations.

➢ About Neural network, the first iteration works better than any other iteration, as the mean of the first iteration is greater than mean of any other iteration.
➢ About denominator, there's only 1 outlier ie. 170, but the rating denominator is 10 otherwise.
➢ About rating numerator, 1 & 1776 are the outliers and most of the ratings are between 10-13.
➢ Favorite count's maximum value is 127518 and minimum is 80.

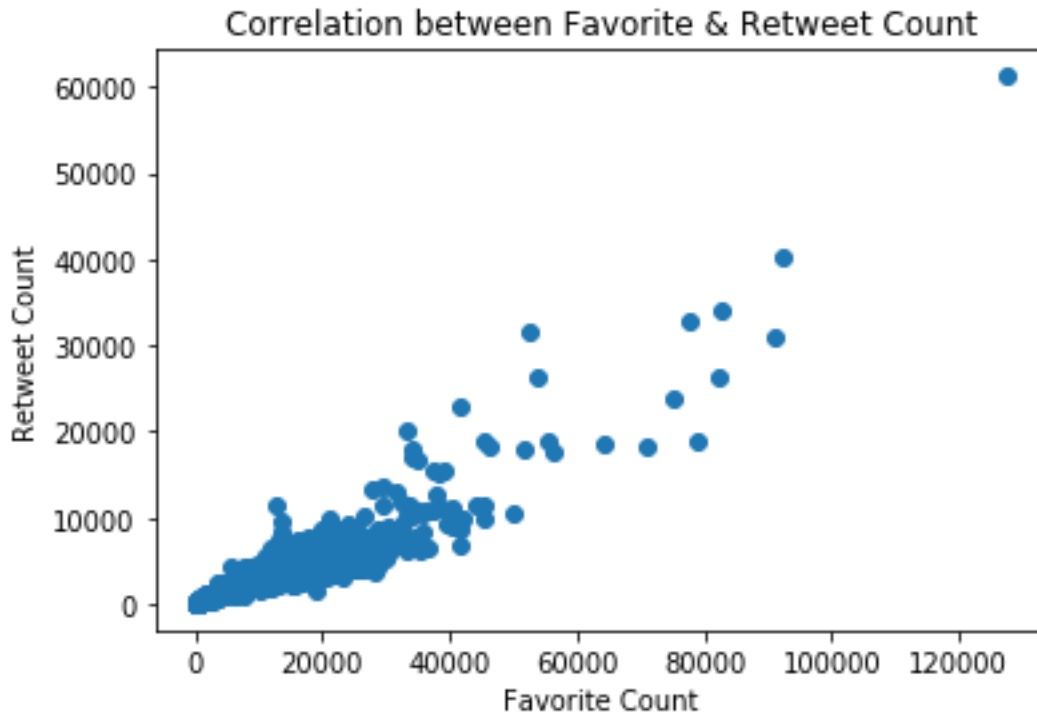➢ Retweet count's maximum value is 61239 and minimum is 12.

Looking at this Statistical Analysis, I could think of 3 questions

1. ***Does retweet_count and favorite_count increase or decrease over time? This question will answer the account's popularity has grown over time or not?***
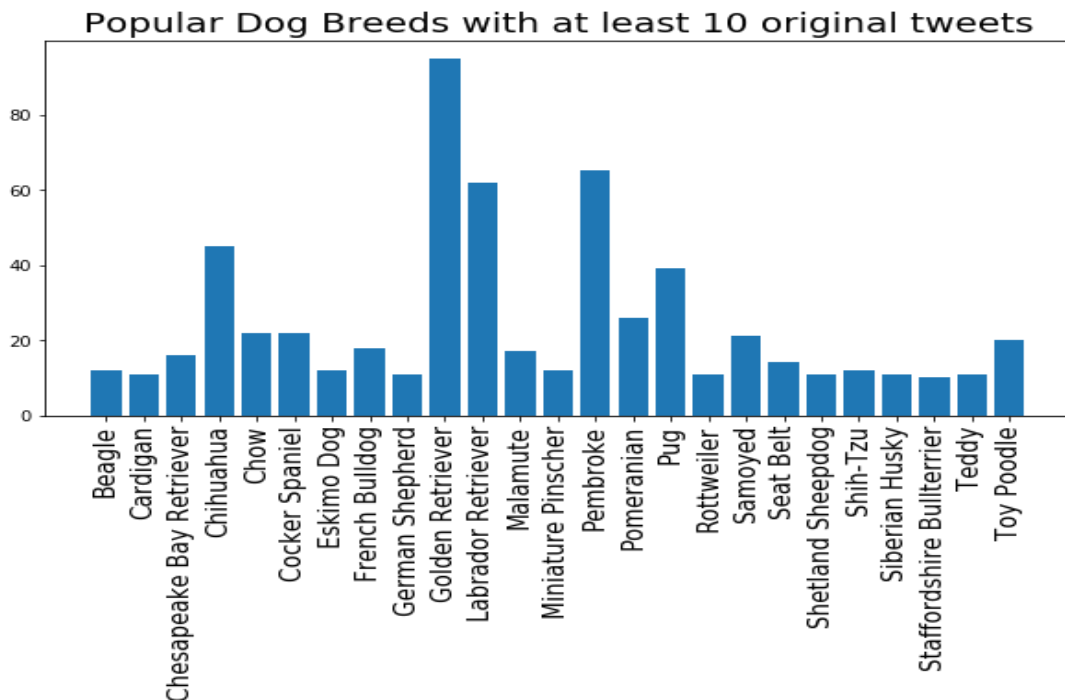

This graph plots both retweet_count & favorite_count over the period of time. It clearly depicts that the favorite_count and the retweet_count has been increasing with the passing time. In other words, we can say that the accounts popularity has been increasing since the date it started.

2. Is there any correlation between favorite_count & retweet_count?

This is scatter plot giving the correlation between the two values. Two values are in positive correlation, if one increases other increases too.

3. What are the most popular dog breeds on the account? (with at least 10 original tweets)

This graph shows the most popular dog breeds on the account, only those breeds with at least 10 original tweets.

Here is the tweet which has rating_numerator's maximum value 1776. It is clear that this rating is to make it more hilarious and the rating in the record is not a mistake or error.

https://t.co/GRXwMxLBkh

This is Atticus. He's quite simply America af. 1776/10