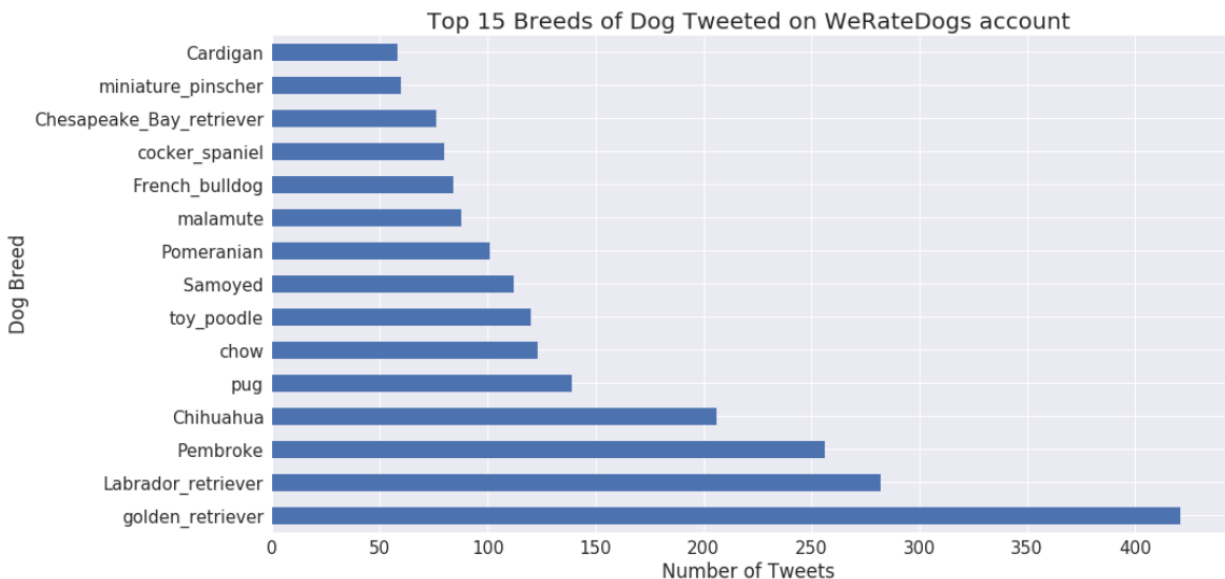


## The WeRateDogs Project

**Introduction:** WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. It was started in 2015 by college student Matt Nelson, and has received international media coverage both for its popularity and for the attention drawn to social media copyright law when it was suspended by Twitter.

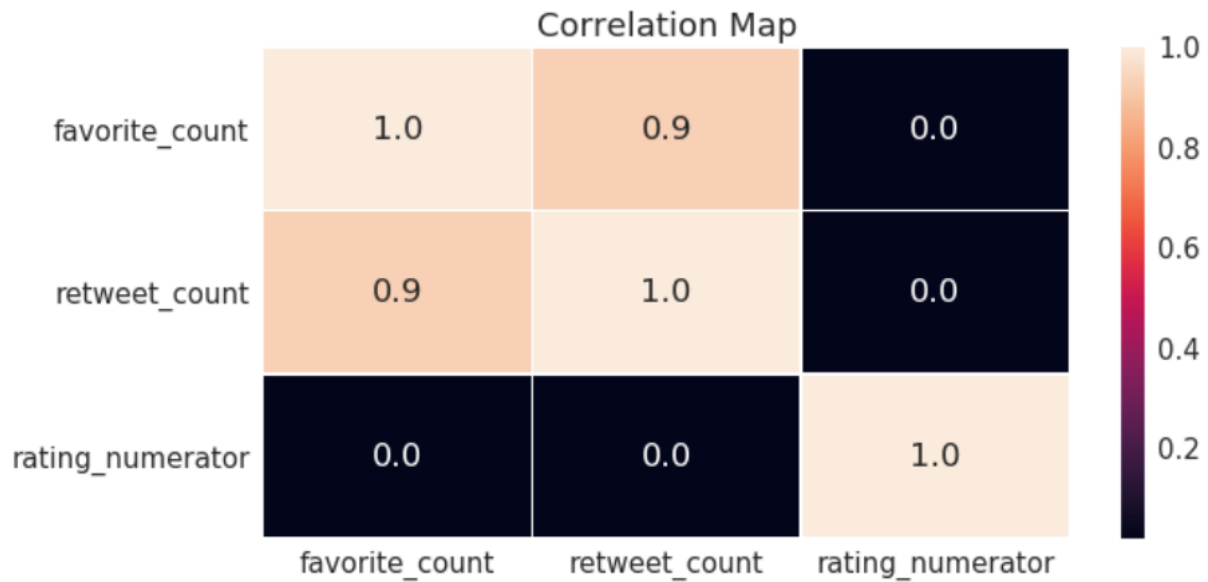
### Top 15 breed of dogs tweeted on WeRateDogs account

This is a bar chart which plots different dog breeds against the number of tweets. It will be useful to understand which dog breed was tweeted the most. After visualizing the plot it is clear that the dog breed with the most number of tweets is Golden Retriever which makes it the most popular breed among all followed by Labrador retriever.



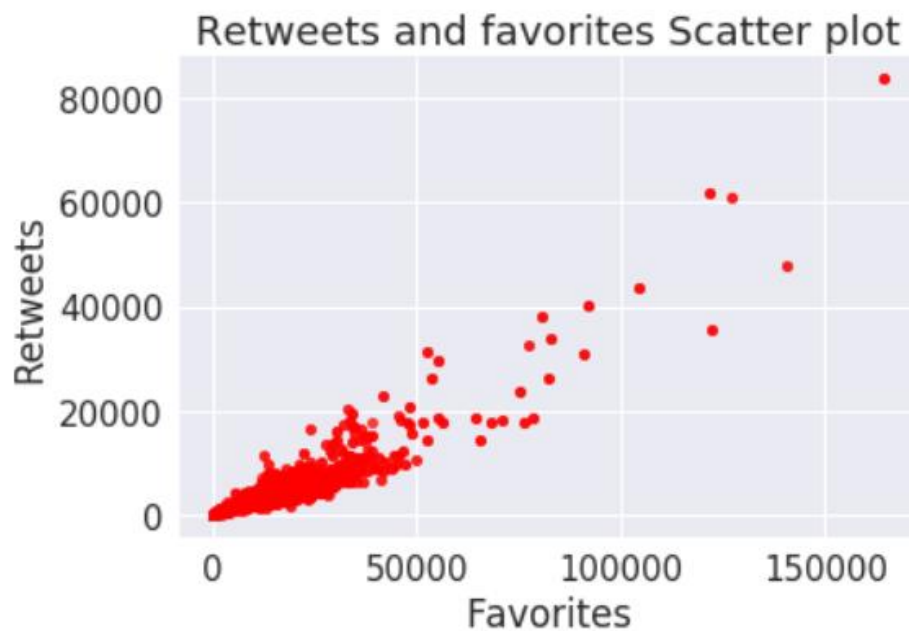
### Plot the correlation map to see the relationship between our variables

Next I have plotted a correlation map for rating\_numerator, favourite\_count and retweet\_count to depict the relationship between these features. After visualizing the plot we can observe that there is a strong correlation between favourite\_count and retweet\_count. This is generally true because as the number of retweets increases the favourite/like count also increases.



### Plot retweets and favorite count over time

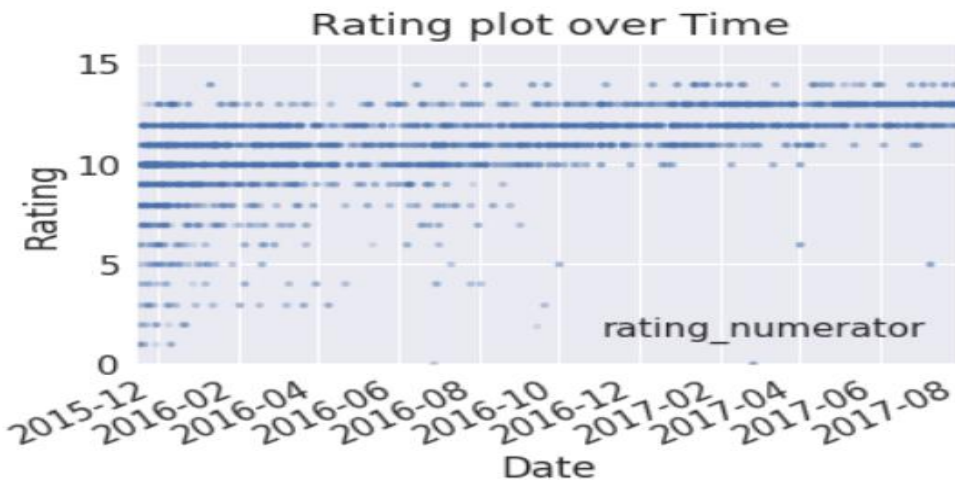
Next I have plotted a Scatter Plot to represent how the favorite count is affected by the retweet count. I have plotted favorite along the x-axis and retweets along the y-axis. The relationship between these two features gives the correlation. The correlation map shows there is a linear relationship between retweet count and favourite count. The favourite count increases with an increase in the retweet count. There is a strong positive correlation up to 50000 like count followed by weak positive correlation up to 150000.



### Plot: Ratings over time

This plot represents the number of ratings denoted by the numerator over time. From this plot we can observe the following:

1. More than 75% of the data has more than 12/10 as rating
2. The page start with small rating than they adopt the system of rating numerator more than the denominator



### Plot: Famous Dog Stages

This pie chart represents a clear distribution between different dog stages. It will help us visualize which dog stage is the most famous among others. As we can notice clearly from the plot, Pupper is the most famous dog stage among others.

