# WeRateDogs Twitter Archive - Act Report

## WeRateDogs Data

The WeRateDogs Enhanced Twitter archive contains data extracted from 2356 of the 5000+ tweets from the @dog_rates twitter account, posted between November 15, 2015 and August 1, 217. This data is composed of dog ratings that were taken from the text of the tweet along with the dog name and dog stage if present.

The retweet count and favourite count for each tweet were not included in the enhanced archive, and so I had to download this additional data from the twitter account using the tweet ID from the archive.

Along with the Twitter data, I also downloaded an image predictions file from Udacity servers containing the top 3 predictions for dog breeds based on the images from the tweets (there can be up to 4).
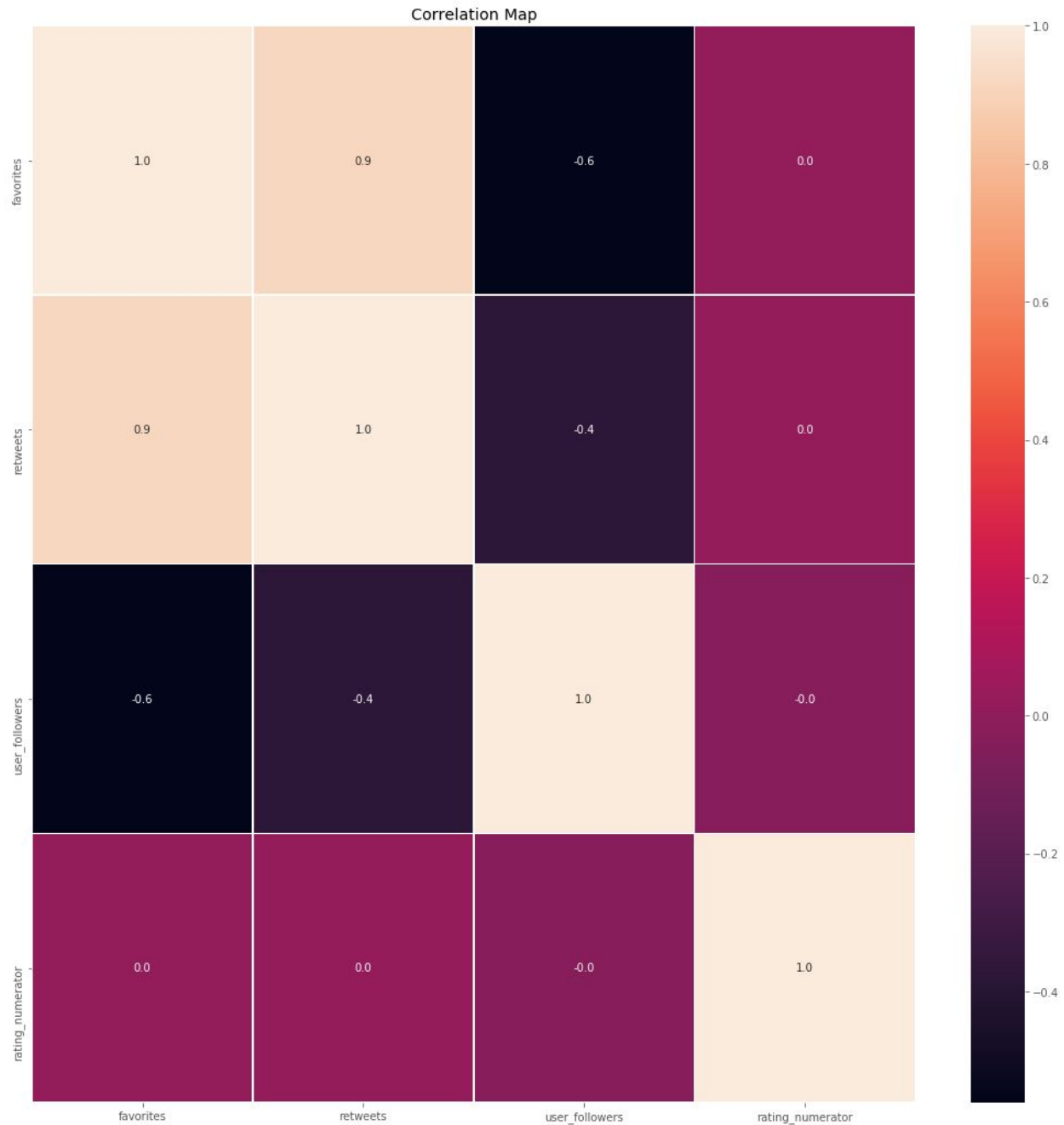
## Wrangling Data

Before I could begin the analysis, the data had to be wrangled into shape to make it easier. I assessed the data both visually and programmatically for quality and tidiness; the quality of data is determined mainly by looking at several aspects or dimensions to ensure that it is complete, valid, accurate and consistent.

## Insights

### Relationship between variables using correlation map

One of the simplest insights is that to find the correlation between the different variables using correlation map and from that we can see that the strong relation between the favorites and retweets, this is normal (more favorites mean more retweets).
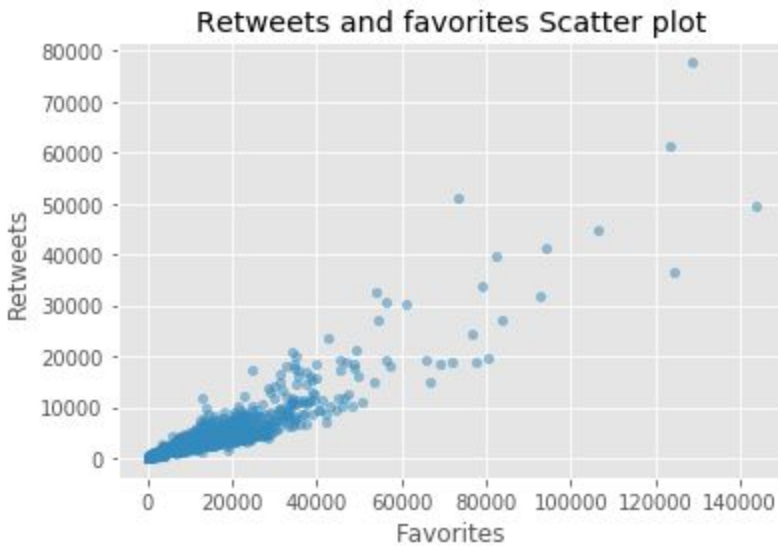
Correlation Map

User followers and retweet have a weak negative correlation of -0.4 (this seems the opposite of normal prediction)

Ratings don't get affected with any other variable from the ones we plotted.

## Tweet Retweet Vs Favorites

As the correlation map shows that retweets are highly correlated with favorites.
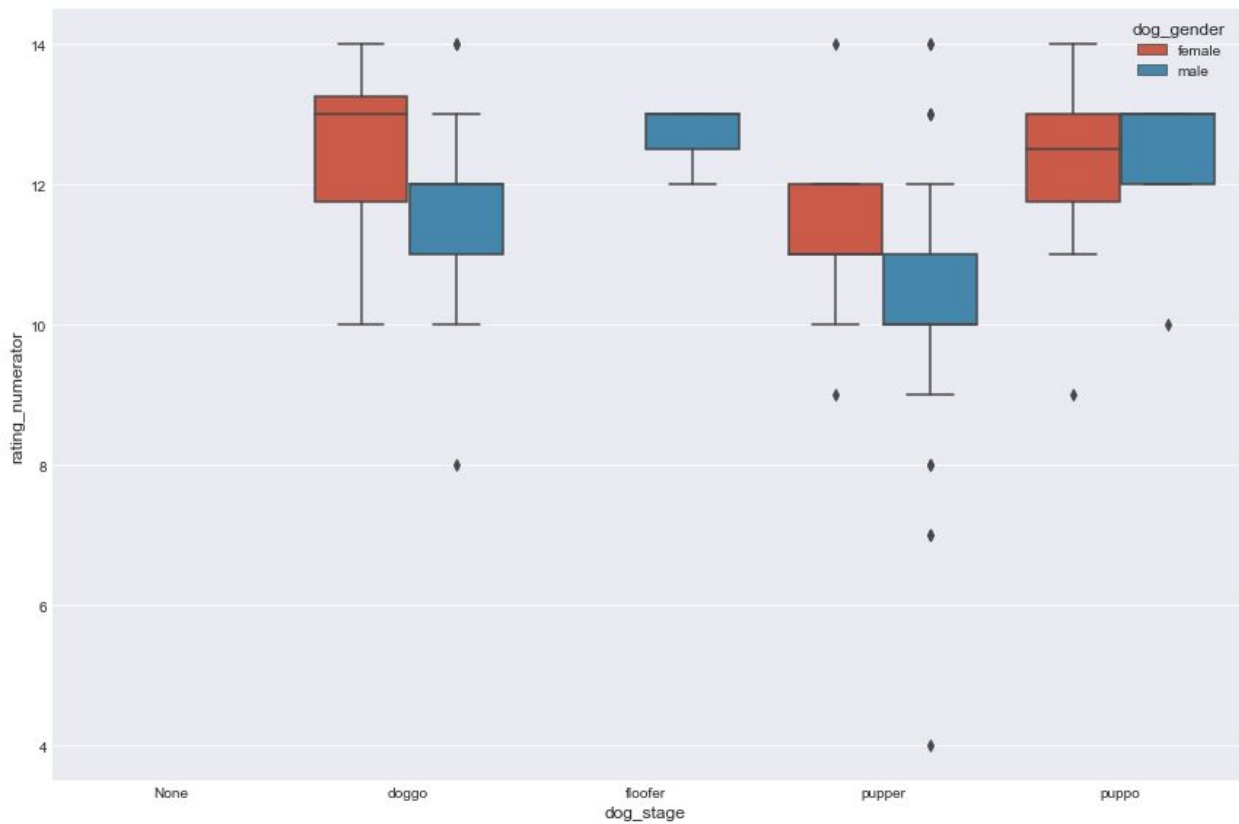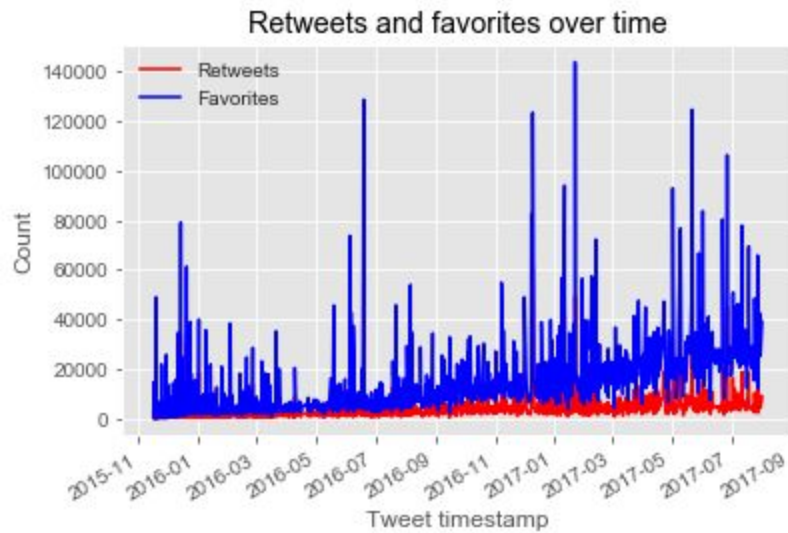

Retweets and favorites Scatter plot

## Rating System

As to how the rating is done over time and time, that relation can be seen if we plot the relation between the rating plot over time.
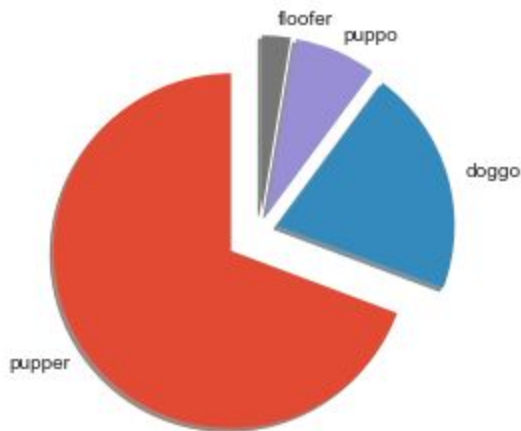
The page starts with a small rating then they adopt the system of rating numerator more than the denominator.


Rating plot over Time

Brent has all the right to get mad (ratings getting higher with no specific reason).

According to our treatment (getting the gender from the text of the tweet) we have male dogs more than female dogs in our dataset, whatever the female rating means more than the male rating mean.



## Conclusion

The Twitter account WeRateDogs (@dog_rates) is devoted to humorously reviewing pictures of dogs doing adorable poses. Dogs are rated on a scale of one to ten, but are invariably given ratings in excess of the maximum, such as "16/10". It has acquired over 4.5 million followers.

If you are thinking of adopting a dog, get a floof(er) - far away from being pupper at least still in the stage of puppo yet not a doggo to live more together.