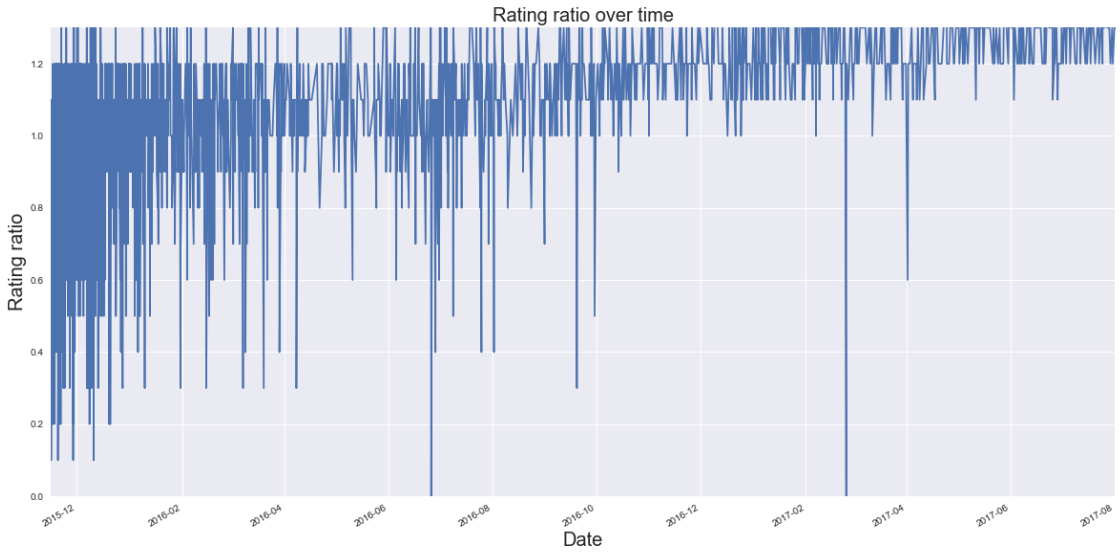
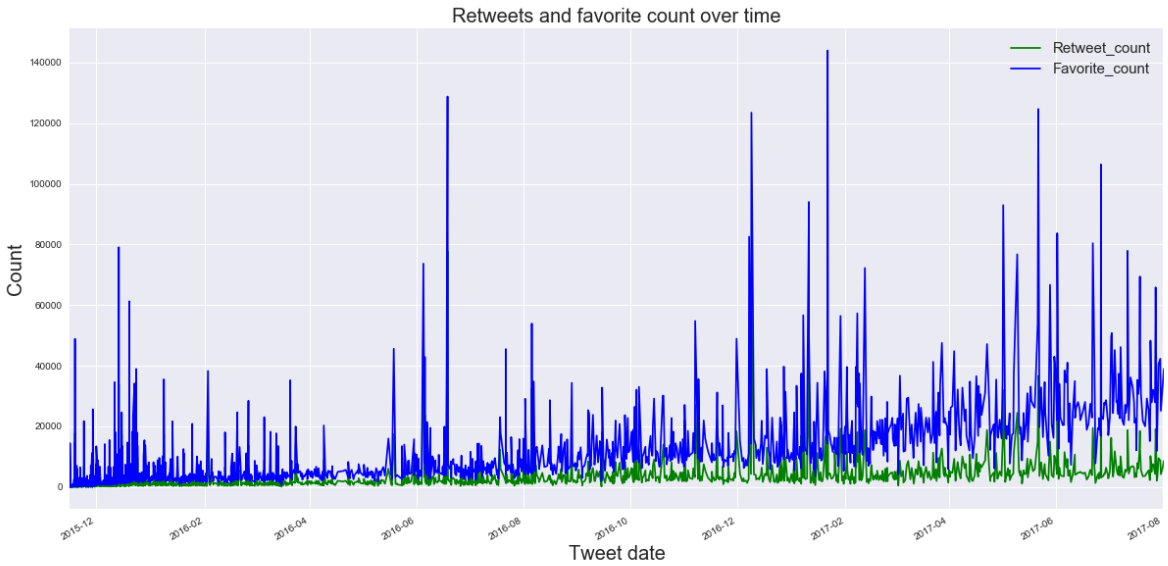
Introductory Visual Exploration of the Wrangled WeRateDogs Dataset

WeRateDogs is a Twitter account that rates dogs based on photos, and also provides commentary on the photos.
I have gathered data from this account and carried out some operations to improve the tidiness and quality of the gathered data. I will now further explore this dataset with the help of visualizations.

The first image shows the rating ratio given to dogs over time.
From the image above one can see that ratings seem to become higher over time. Before 2016-06 on the x-axis there are a lot low ratings compared to after this point in time.

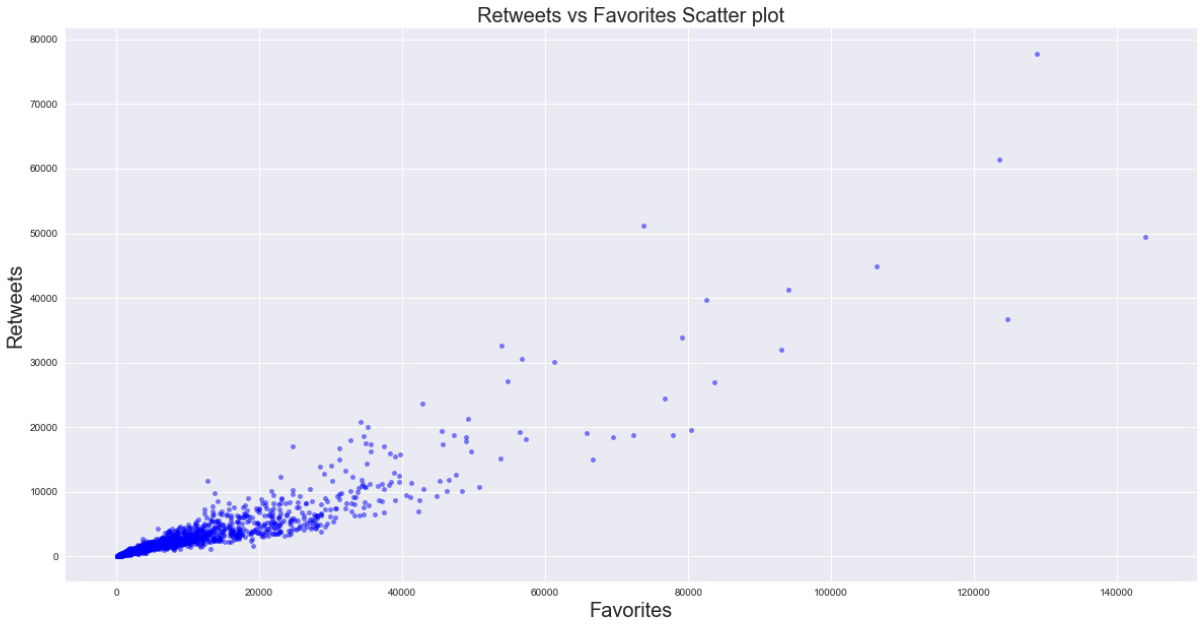


The following image shows how retweet count and favorite count changes over time. Retweet count indicates the number of times the original tweet has been retweeted and favorite count indicates the number of times that this original tweet has been marked as favorite.

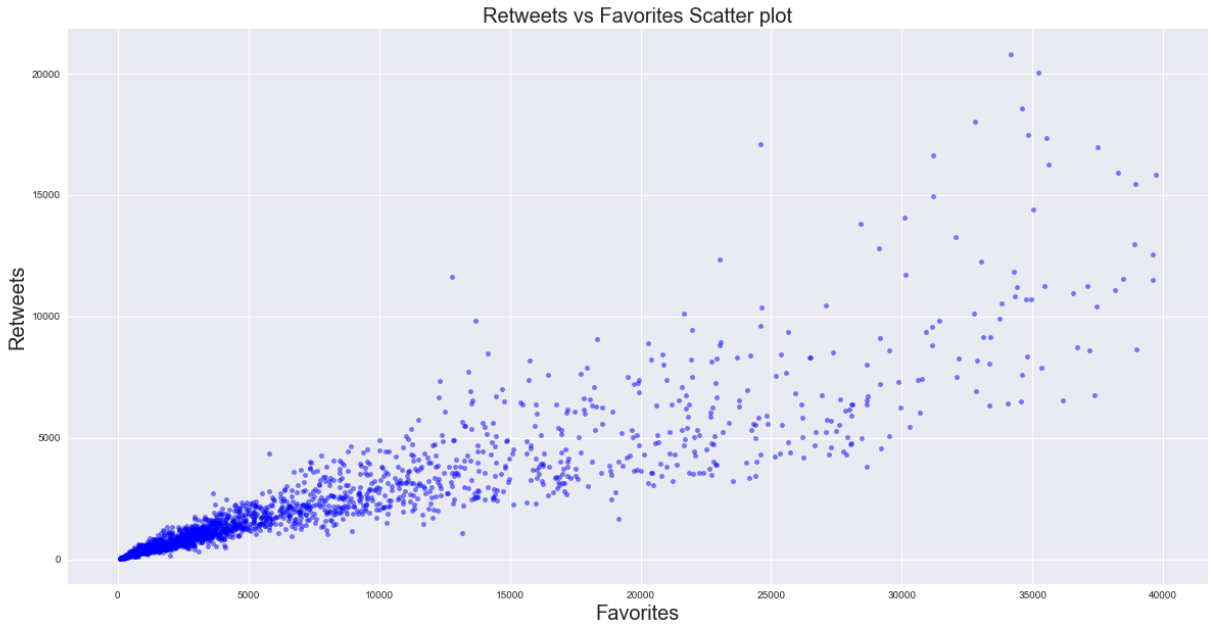


From the previous image its clear that retweet count is consistently lower than favorite count.
It seems that retweet count and favorite count gradually increase over time.
This trend is particularly noticeable in the favorite count graph.

The image below shows retweet count plotted against favorite count

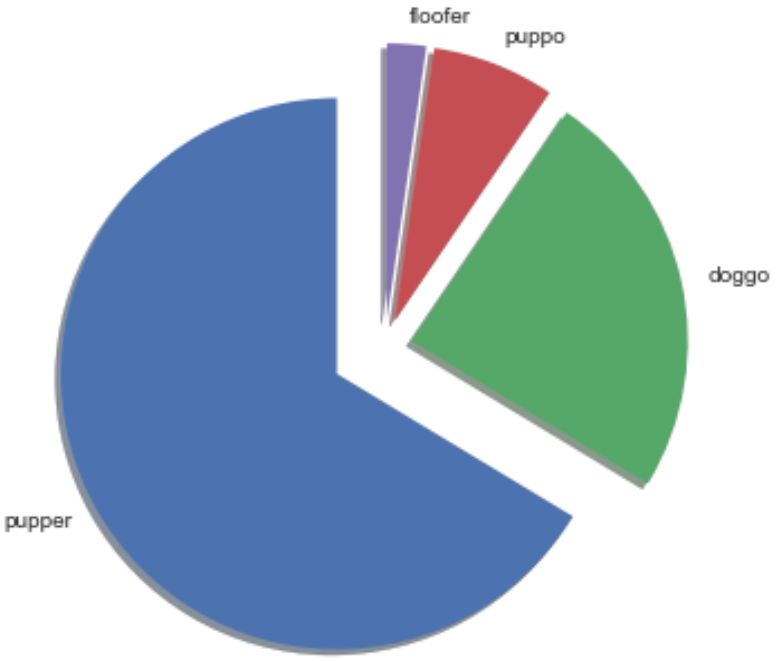


Below, I have replotted the graph to show only tweets with favorite count less than 40000, for clarity.



The Retweets vs favorite scatter plot shows a positive correlation between retweet and favorite count. As may have been expected, one can see that retweets tend to increase as favorite count of tweet increases.

Below one can see a pie chart of the dog stages seen in the dataset. Dog stage classifies dogs into stages known as "pupper", "floofer", "puppo", and "doggo", as seen in the chart below.



From the pie chart it is clear that "pupper" is the most common dog stage and floofer the least common.

This brief exploration has already highlighted some interesting facts from the WeRateDogs dataset. Namely, how rating ratio trend changes over time, retweet and favorite count trend changes over time, the relationship between retweet count and favorite count, and popularity of each dog stage in the dataset. Wrangling the data has made it possible to start creating visualization and thereby getting better insights into the data, as seen in this report.