ACT REPORT

This report contains insights and displays the visualizations gotten from the wrangled data. The data set that was analyzed is the tweet archive of Twitter users @dog rates, also known as WeRateDogs. This is a Twitter account that rates people's dogs by writing funny comments about the dogs.

1. Storing data

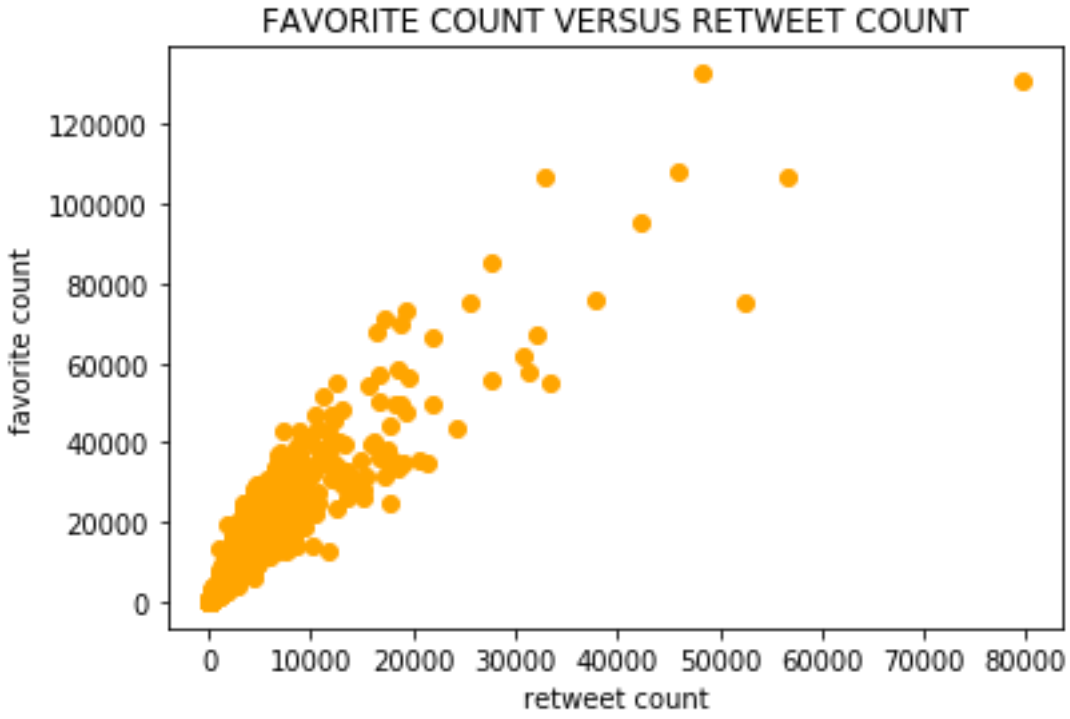
The data cleaned was stored in a csv file called the 'twitter_archive_master.csv' in order to enable easy analysis and visualization.

2. Analyzing and visualizing the data

The cleaned data was analyzed and insights regarding the following were concluded:

A. Showing the relationship between retweet count and favorite count

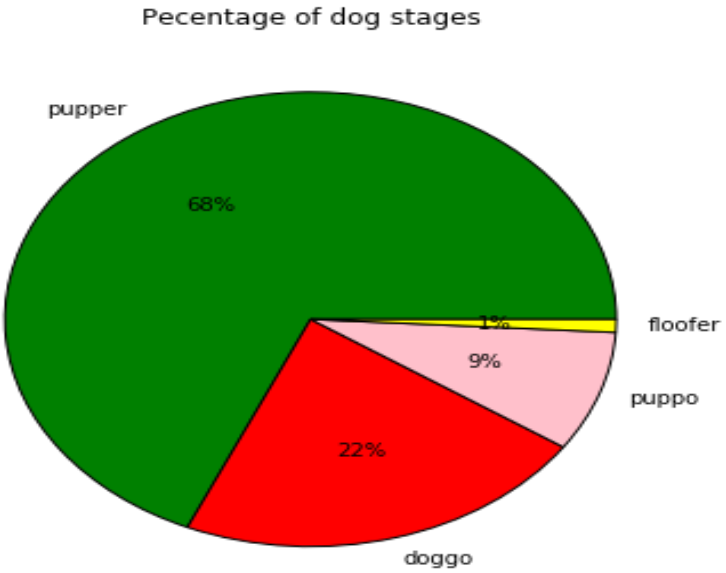
A scatter plot was drawn to present the findings

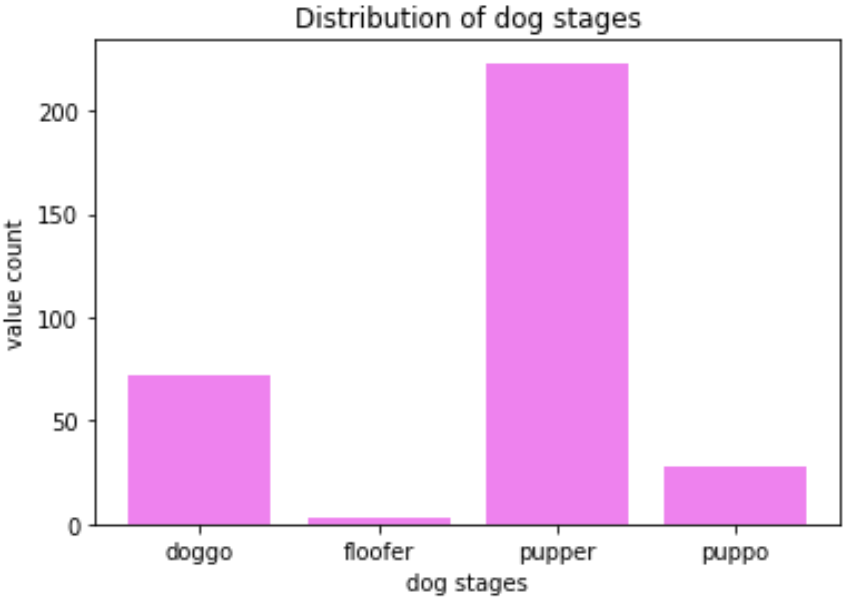


From the scatter plot it can be deduced that there is a linear relationship between favorite tweet and recount tweet. A relationship is linear if one variable increases by approximately the same rate as the other variables changes by one unit. The slope of the plot is also upwards which indicates that there is a high positive correlation between retweet count and favorite count.

B. Showing the most common dog stages

A pie chart and bar chart were used to represent the findings

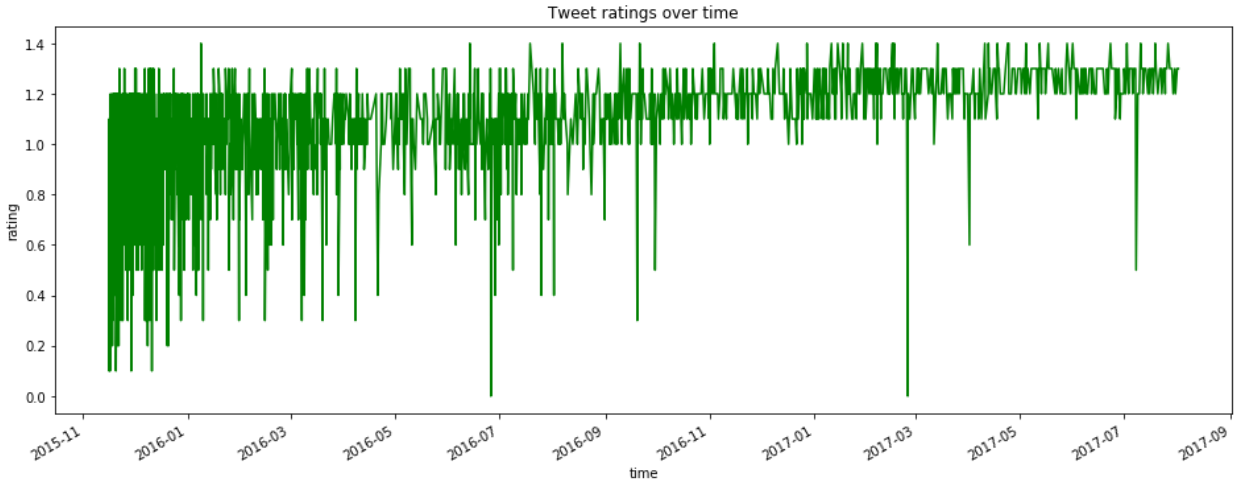




From the distribution of the bar chart and pie chart above, it can be seen that the most common dog stage is pupper and the lest common is floofer.

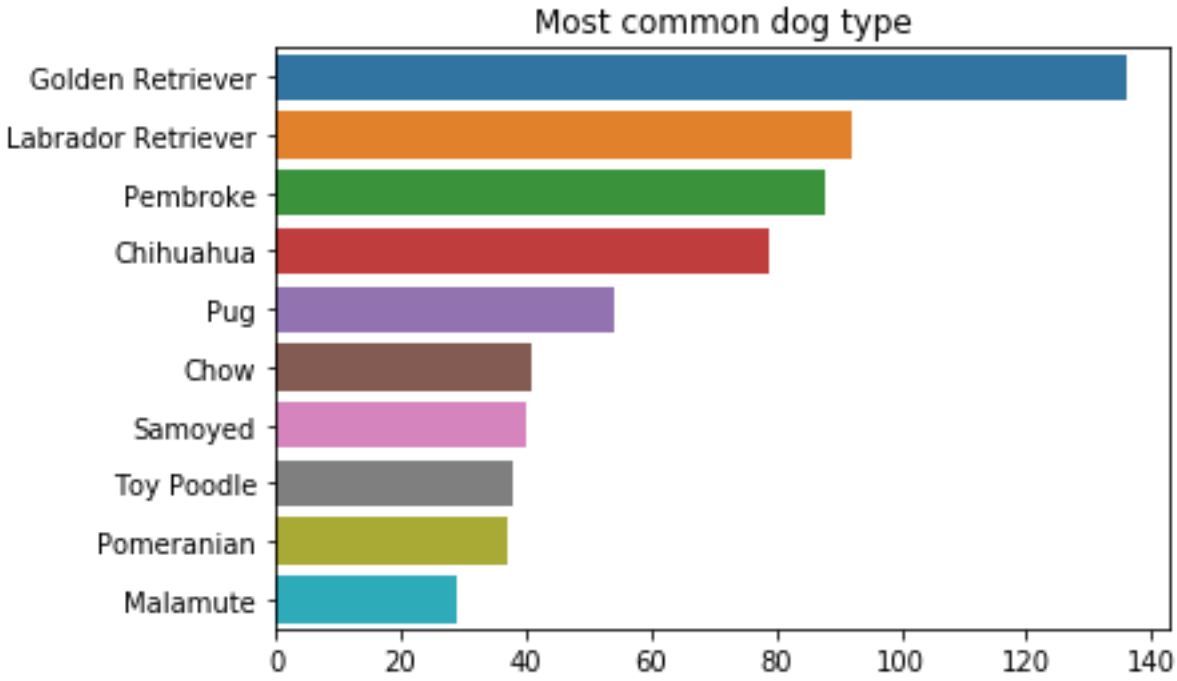
C. The average rating of tweets over time

This was done using a scatter plot



We can see from the graph that the tweet rating improved over time. In 2015 and 2016, there were many ratings below 1.0 but this was not the case in 2017. So it means that the twitter account grew a highher engagement rate with time.

D. The most common dog type



From the data above, the most common dog type is the Golden retriever.