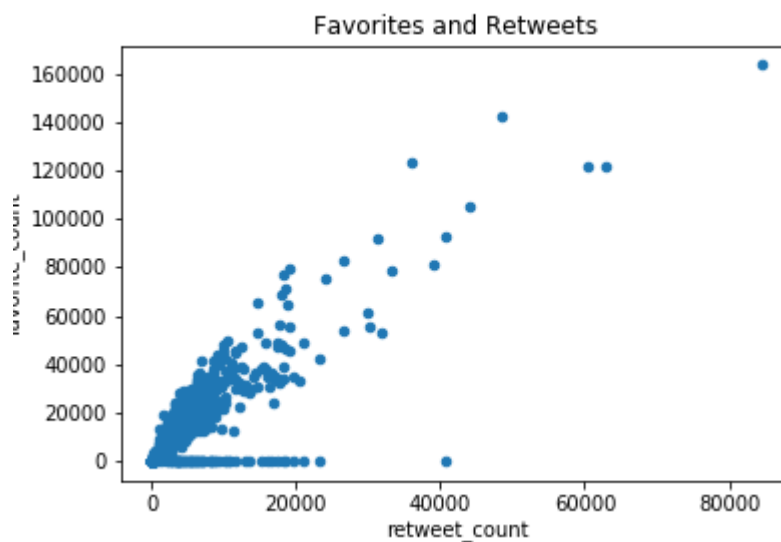# Act Report

Introduction

The analysis performed for this project is of tweets from we rate dogs twitter account. My analysis revolved around the popularity of differnet dog stage and dog gender, based on favorite count and retweet count for each tweet.
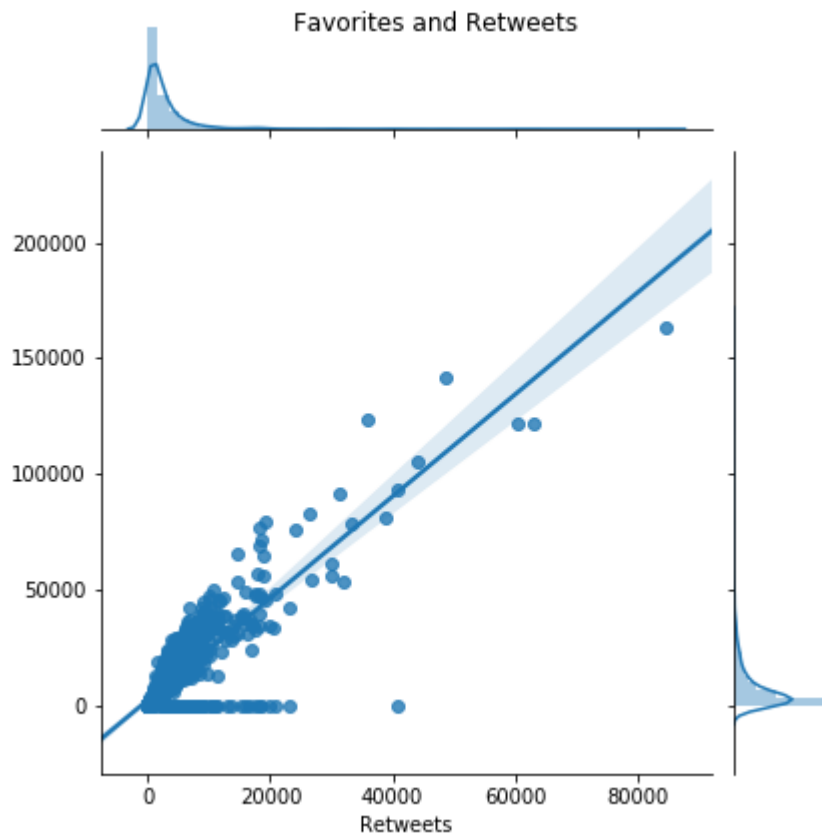
Visualization

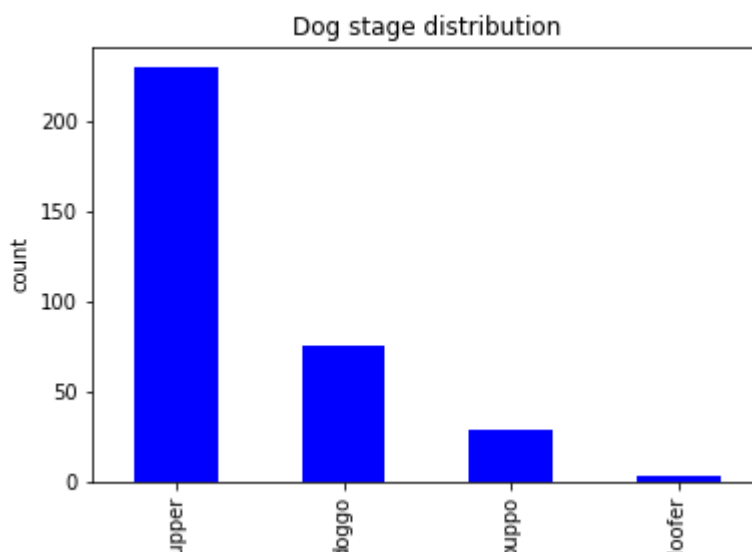Plot 1 - Scatter plot of favorite_count and retweet_count

The plot shows that there is a positive correlation between favorite count and retweet count. As tweets receive more favorites(likes), retweets for those tweets also increases and vice-versa.

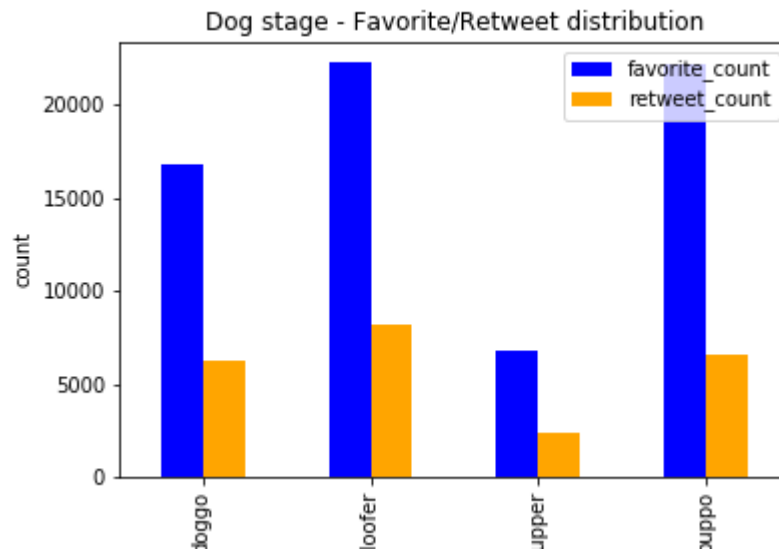Plot 2 - Correlation and distribution of favorite count and retweet count.

Favorites and Retweets

From the abouve visualisation, we can see that there is a strong positive correlation between favorite_count and retweet_count. Correlation value is about 0.85 which therefore indicate that the relation ship is strong. The statistical analysis denotes a large positive (right) skew in both categories indicated by large standard deviation. The result also indicate that tweets will recieve likes more often than that original tweet being retweeted as shown by large favorite count. It also looks like they may have a non-linear relationship.

Plot 3 - Dog Stage distribution
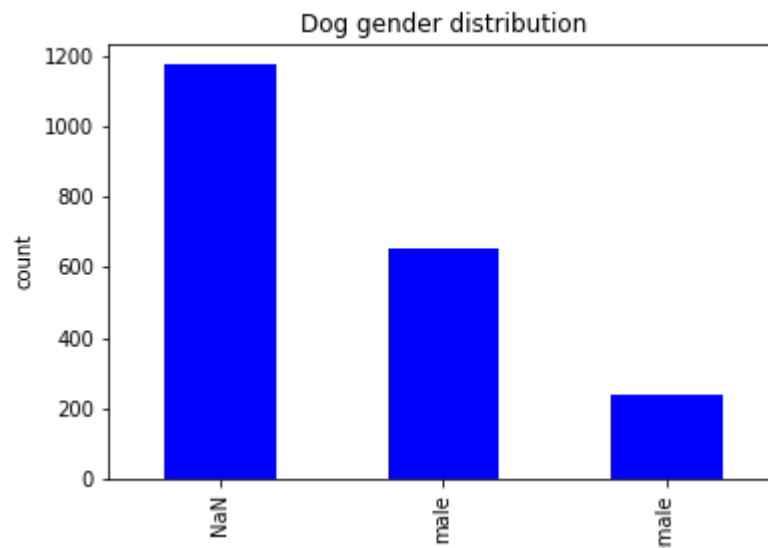

Dog stage distribution

The above chart shows that pupper has the highest count as compared to other stages and floofer has the least count of dogs.

Plot 4 - Dog stage - Favorite/Retweet distribution
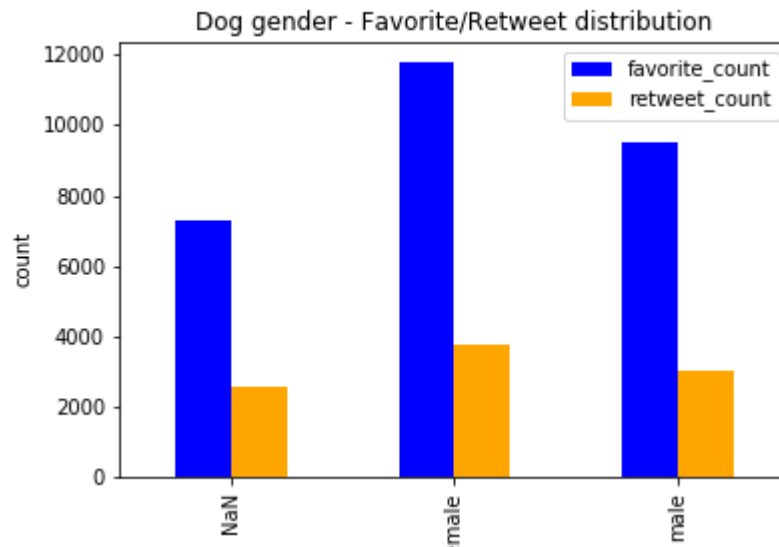
Dog stage - Favorite/Retweet distribution

There was an assumption before plotting this chart that pupper would receive most favorite count since pupper had the highest frequency. But from the above visualisation, pupper has the least favorite and retweet count while floofer which has the least number of dogs gets the most favorite and retweet count.

Plot 5 - Dog gender distribution

Dog gender distribution

The above chart shows that there are more number of male dogs than female dogs.

Plot 6 - Dog gender - Favorite/Retweet distribution

Inspite of higher number of male dogs, female dogs get more favorite and retweet count as compared to male dogs.

In summary, the data analysis of the twitter user We Ratee Dogs, showed a very strong correlation between favorite count and retweet count. Inspite of high number of tweets for a particular dog stage or dog gender, have lowest favorite or retweet count. Based on the abouve insights, I can conclude and suggest that if you are planning to adopt a dog, get a floofer and far away from being a pupper or atleast a dog that is in puppo stage.

In [ ]: