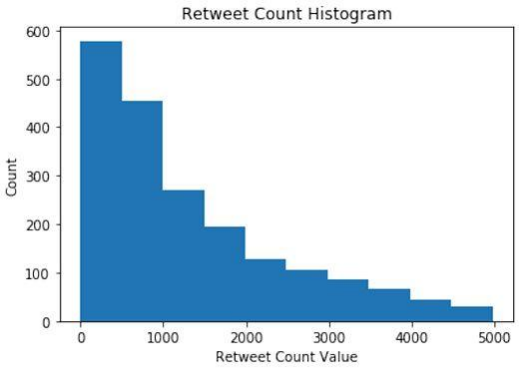
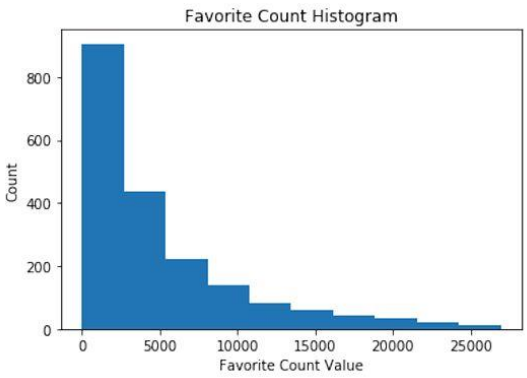
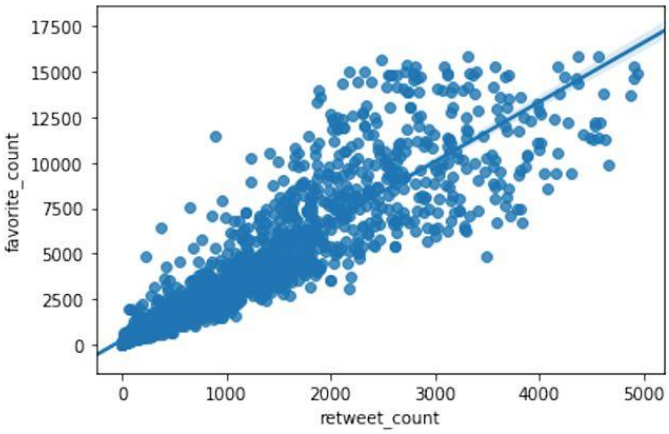
Report: act_report

In this stage of visualization, I started with the 'percentage dog stages' to know the ratio of dog stage distribution in our combined dataset using a pie chart. The result shows that about 84% of the dogs were not classified, while 10% was pupper, 3% was doggo, 1% was puppo and the remaining 2% between multiple dog stages- doggo, floofer and doggo, pupper (this means that in some cases, more than one stage was recorded for one dog). With many of the dogs not being classified, **no logical assumption or confirmation can be made with respect to the dog classification.**

The statistics below shows that there was a high number of retweets and likes for the dogs, which skewed left in both cases. Retweets as high as about 5000 was found and slightly over 25000 likes (which is about 5 times more than the retweeted post) was recorded. Furthermore, the relationship between retweet_count and favorite_count show that although there are outliers (which was identified using a boxplot) in both variables**, there was a strong and positive correlation between them**, with the correlation coefficient being about 0.895. The trend line or line of best fit passing through the most concentrated part (from left to right) is an indication that the more the number of retweets, the more likes was gotten for each dog. The (mean, standard variation) for the retweet and favorite count was about (1316.45, 1152.09) and (4078.97, 3694.06) respectively.







Furthermore, analyzing the relationship between retweet counts and rating numerator, a thick horizontal band was seen more across the entire retweet count, with a **correlation coefficient shown to be 0.283, indicating a weak correlation**. Hence, no assumption can be made with respect to these two variables.

Finally, looking at the rating numerator, the expected value for the mean population was seen to be between 9.935 and 10.525. This shows that on the average, majority of the dog rating was seen between 9.94/10 and 10.53/10. **Personally, I can deduce that there was no much high rating for the dogs on the average.**