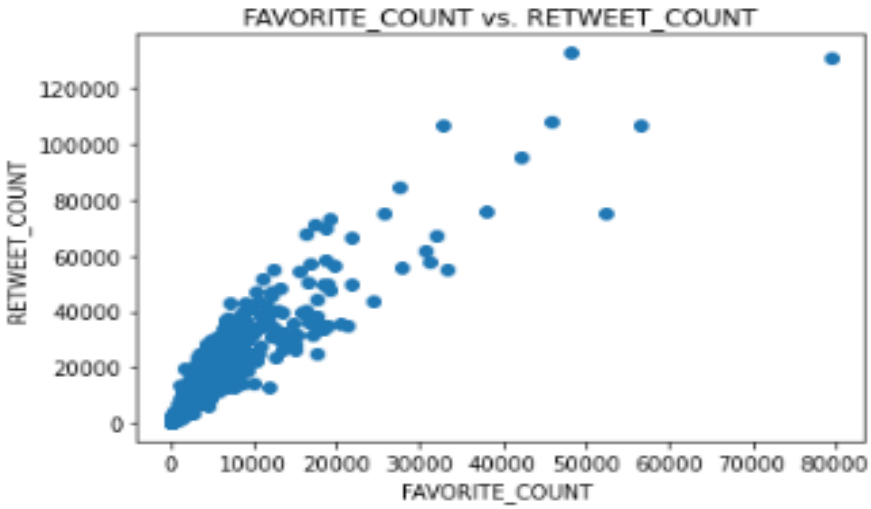
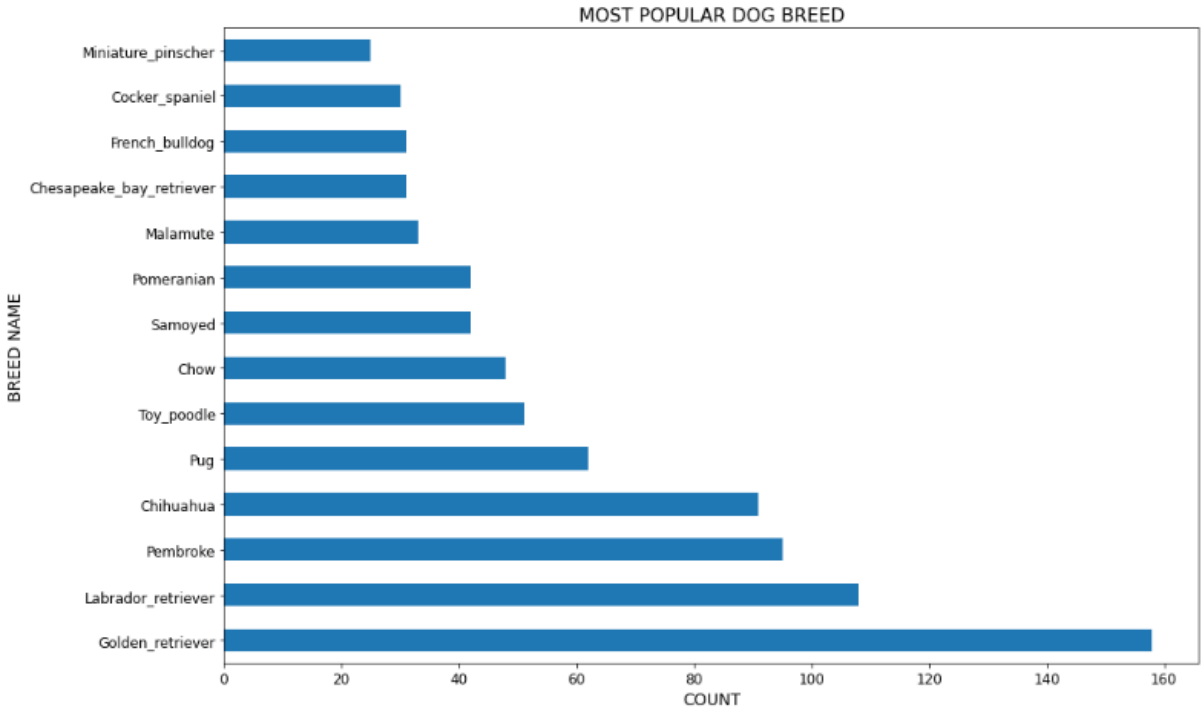
ACT_REPORT

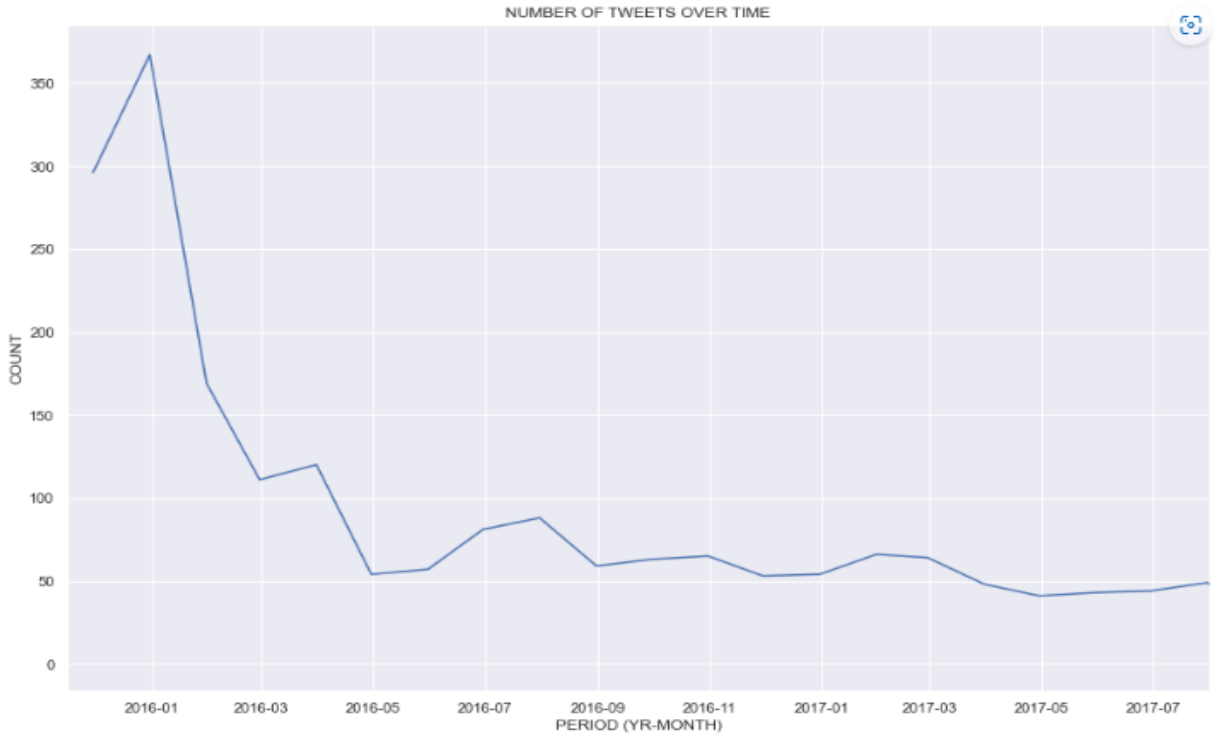
The data used for the visualizations is the **master_clean_archive**. The following account details the visualisation of the few insights derived from assessing the given data.



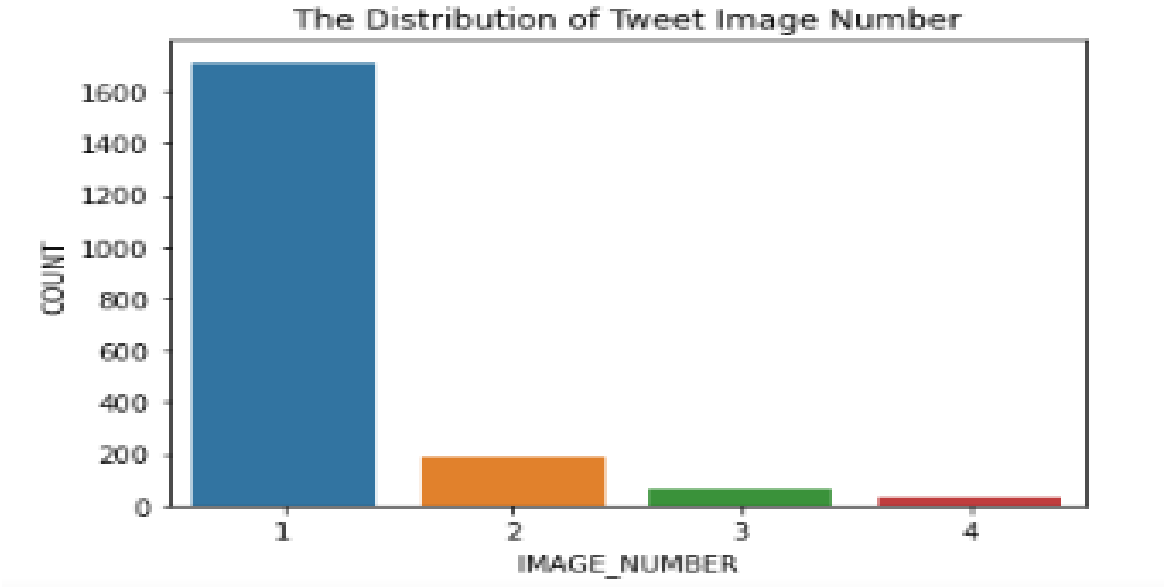
The is a strong positive correlation between retweet count and favorite count. This suggests that the most popular tweets are retweeted more frequently. As favorite count increased and so did the retweet count. This correlation could be further analyzed on a month-to-month basis to have a better reflection on the relationship.



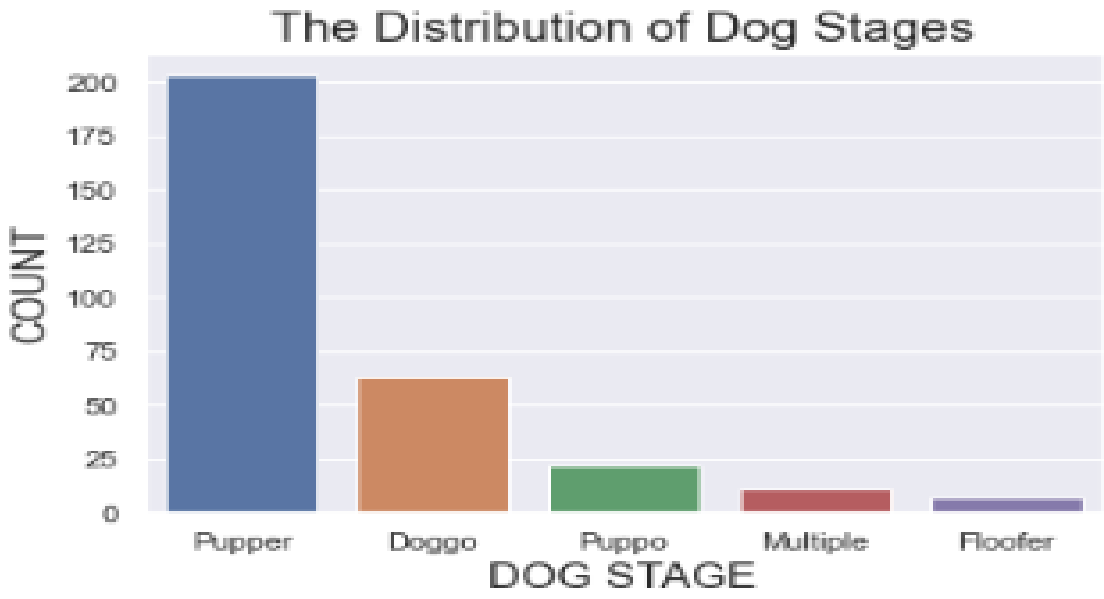
Golden retriever is the most popular predicted breed. A much conclusive insight would have been achieved if all the dogs in the dataset were classified in their proper breeds. Only the top 14 breeds have been displayed.



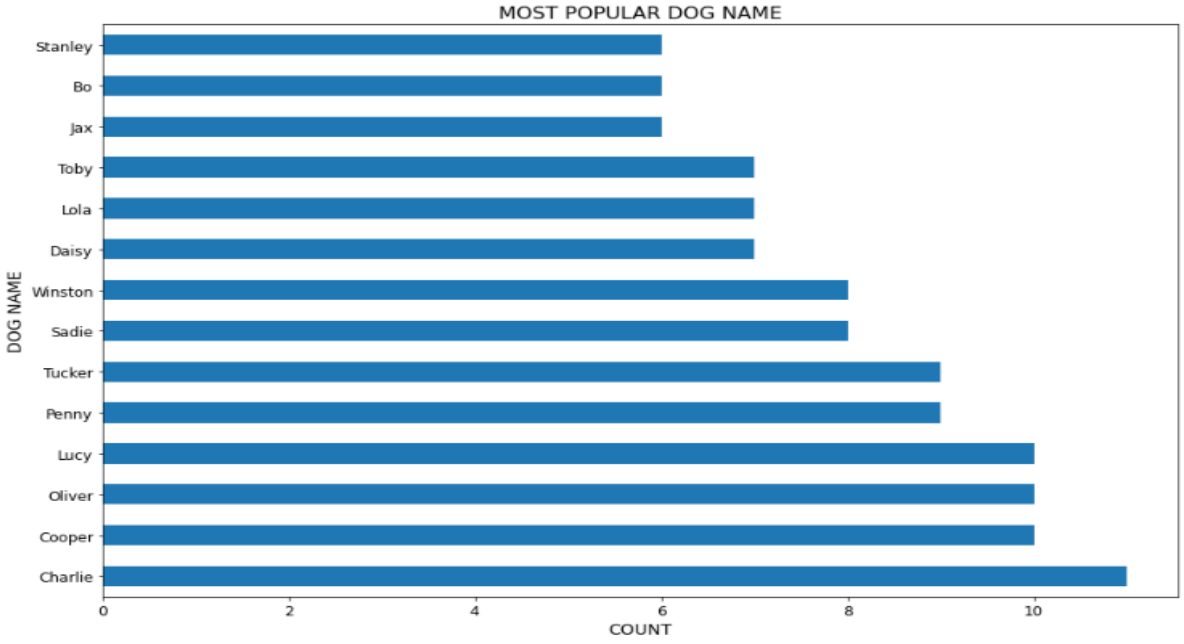
The number of tweets decreased from 2015 to 2017, where a very sharp decline was experience between the periods; Jan-2016 and Mar-2016. There is no available information to explain the continuous sharp decline in the number of tweets during the two months.



The above graph shows that the most popular image number that corresponds to each tweet's most confident prediction is 1 with a count over 1600 while the following image numbers are below 200.



Amongst the five dog stages that are there, pupper has the highest count of 203 rendering it as the most popular dog stage followed by doggo with a very significant count difference. It is important to note that, there was a huge number of dogs that were unclassified and were excluded in the development of this insight. So, the above analysis may not be a true reflection of the whole data set being studied.



Despite the 32.3% of the total number of dogs without names, Charlie is the most popular dog name. from the graph, Lucy, Oliver and Cooper follow behind Charlie having the same popularity count.