

WeRateDogs Twitter Archive - Act Report

WeRateDogs Data

- The WeRateDogs *Enhanced* Twitter archive contains data extracted from 2356 of the 5000+ tweets from @dog_rates twitter account, posted between November 15, 2015 and August 1, 2017. This data is comprised of dog ratings that were taken from the text of the tweet along with the dog's name and dog stage if present.

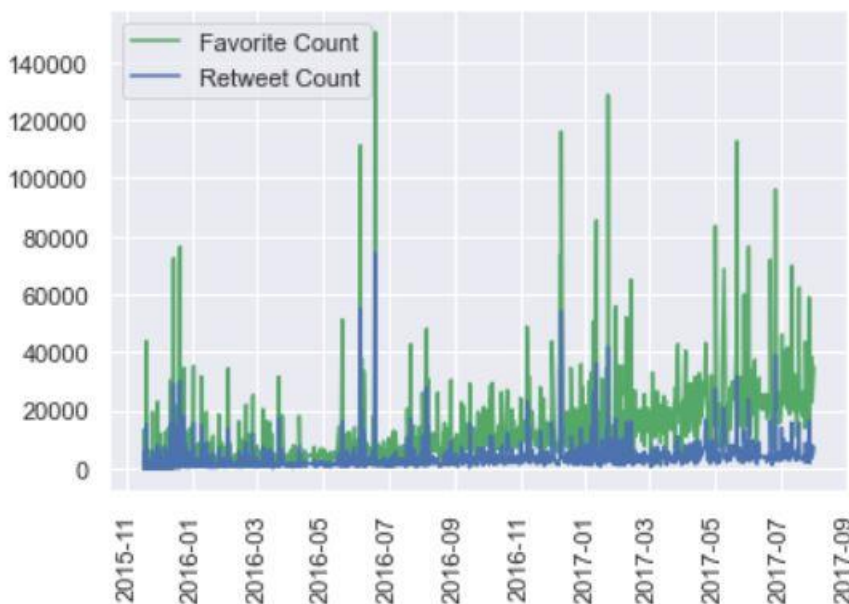
The retweet count and favorite count for each tweet were not included in the enhanced archive, and so I downloaded this additional information from the twitter account using the tweet ID from the archive. Along with the Twitter data, I also downloaded an image predictions file from Udacity servers containing the top 3 predictions for dog breeds based on the images from the tweets.

Wrangling Data

Before I could begin the analysis, the data had to be wrangled into shape to make it easier. I assessed the data both visually and programmatically for quality and tidiness; the quality of data is determined mainly by looking at several aspects or dimensions to ensure that it is complete, valid, accurate and consistent. After cleaning many of the issues were found during the assessment.

Insights

- 1- The change of retweets count and favorite count by time:



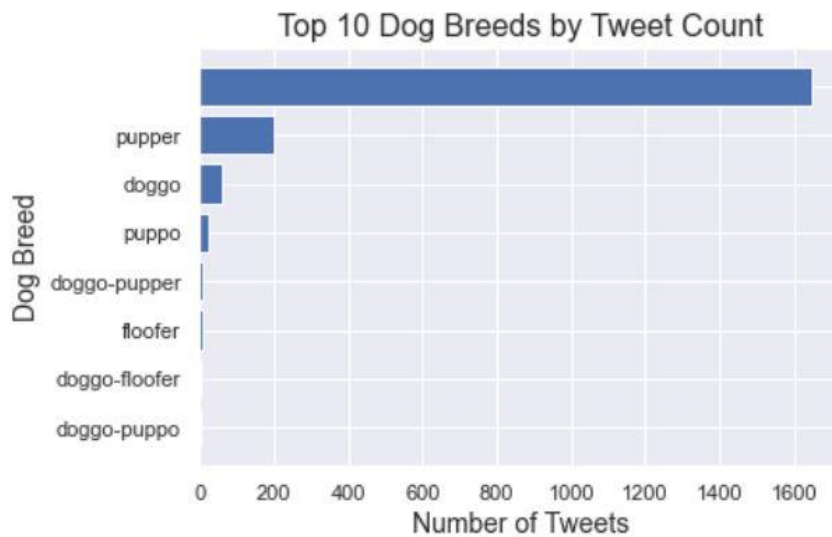
- It's clear that the favorite and retweet counts were increasing by time.

2- The relationship between rating and the number of tweets:

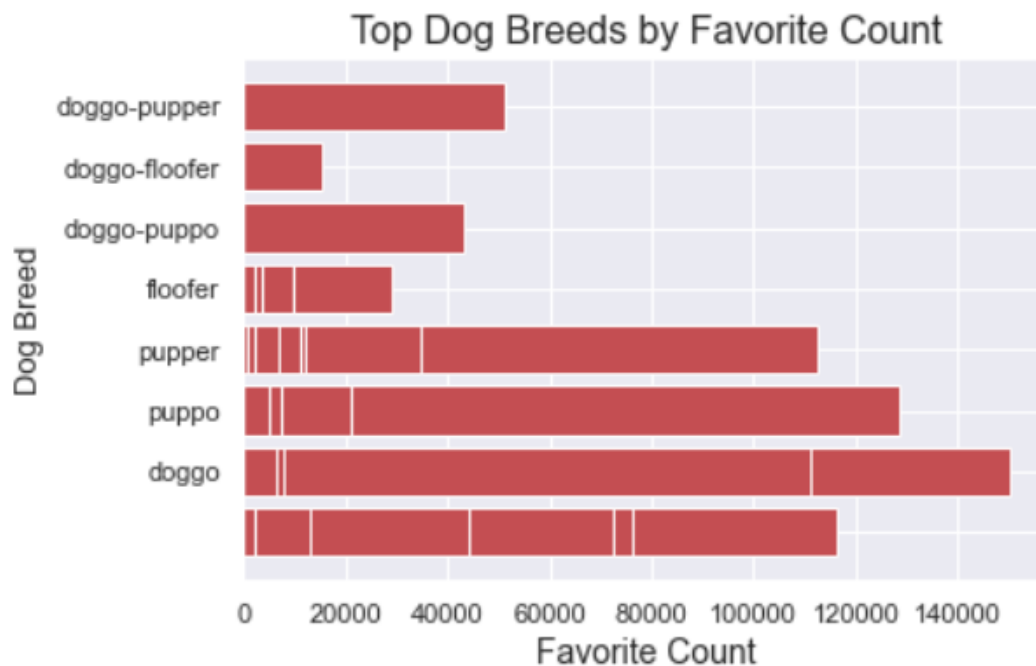


- The majority of tweets are included in the range above 10 which is the unique rating system of the popularity of WeRateDogs.
- 3- Tweet's favorite count VS retweet count:
- All the tweets have favorite count higher than the retweet count; this is usual as pressing the favorite button is easier than retweeting.
- 4- Top five tweets:
- There are 3 tweets that are in the top 5 for both variables (tweet's favorite count and retweet count); the most favorite tweet is also the most retweeted tweet with tweet_id="744234799360020481".

5- The most common dog breed:



- The bar chart above shows that the most common dog is pupper then doggo.
 - *Note:* This data is not clear enough, it should be assessed and cleaned to give accurate values by filling empty values.
- 6- The dog breeds which have the highest overall favorite counts:



- The plot above shows the top dog breeds ranked by favorite counts. It displays that doggo dogs have the highest number of favorite counts also.