Analyzing and Visualizing WeRateDogs

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Introduction

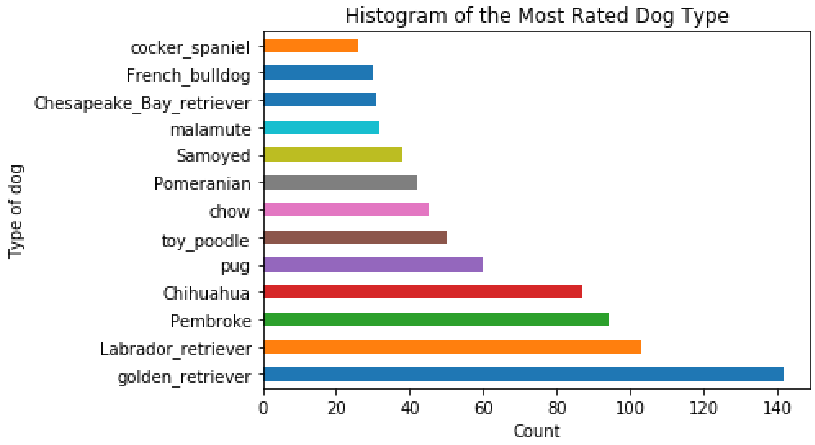
This is an Analysis and Visualization I made of the WeRateDogs data set, which is basically a twitter account which rates other people's dogs. These ratings almost always have a denominator of 10. The numerators however are almost always greater than 10(10/11, 12/11,etc). In theory the rates should be 1 to 10.

Once I had initially wrangled the data and cleaned it, I made use of python libraries to analyze and make visualization of data. The Project made use of three data sets which are twitter_archive, image_predictions and twitter_jason. Twitter_archive was provided, image_prediction was downloaded programmatically and twitter_jason was collected using twitter APIs.

So after doing all these steps, I was able to answer the following questions - Which dog type is most common? Which dog type is the least common? How does the popularity of tweets increase over time? And finally, to locate the outliers in the 'type of dog' column.

Following were the Visualizations which I used:

Most and Least popular dog breeds

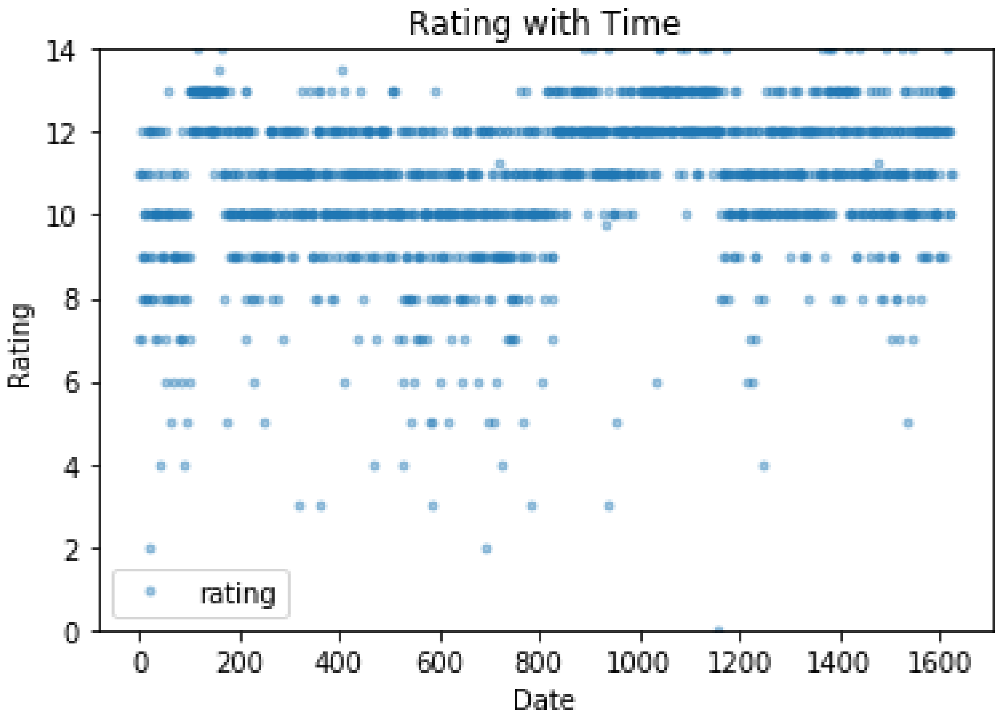


The above Visualization is about the various breeds and the number of times each of them appears in the tweets of WeRateDogs. This visual helps us to find the most common and uncommon breeds with a single glance.

WeRateDogs has over 6000+ tweets. The highest rated dog was the golden retriever with more than 140 ratings.

The least popular breed was the Spaniel which had the lowest ratings among all the species rated.

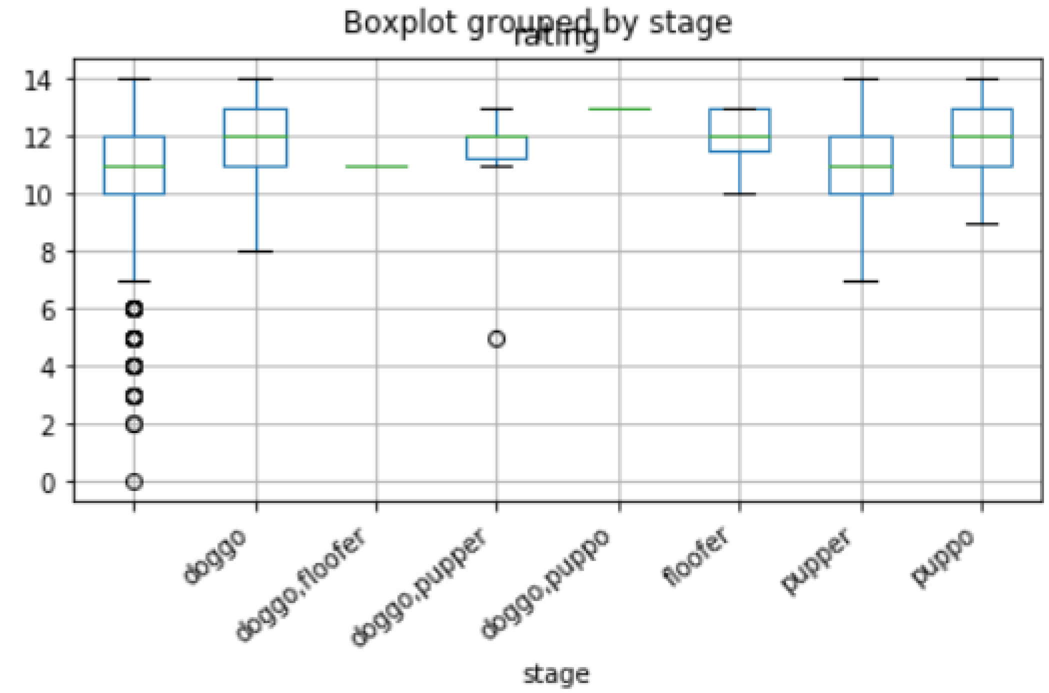
Popular Tweets with respect to time



As we can see, over time most of the ratings now tend to be limited to the high ratings of 10 to 13. Over time the ratings from 6 to 8 have mostly disappeared. After developing their niche, the account seems to have settled for relatively higher ratings than before.

Outliers in dog types

From the given box plots it is easily visible that pupper has the most number of outliers.



The above boxplots tell us how many outliers each name has