

Analyze the WeRateDogs tweets.

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What is WeRateDogs:

"We rate dogs" is a humorous twitter account, the idea behind is to comments and rates people's dogs, the most ratings have a denominator of 10 and numerators greater than 10, and the higher numerators indicate that the dog is very good looking. However, the popularity of the account gained when some gay on Twitter name Brant comment his dissatisfaction about the rating system, and the WeRateDogs account replayed "they're good dogs Brent" purposefully misspelling Brant name, for some reason this replay has a huge hit and screenshot of the mention exchange between the Tweeters, received international media coverage, and memes been created about it. In addition, the account has gained almost 9 million followers since its debut.

Datasets used:

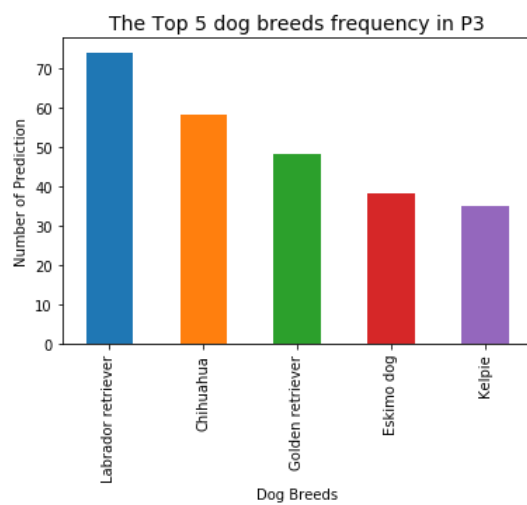
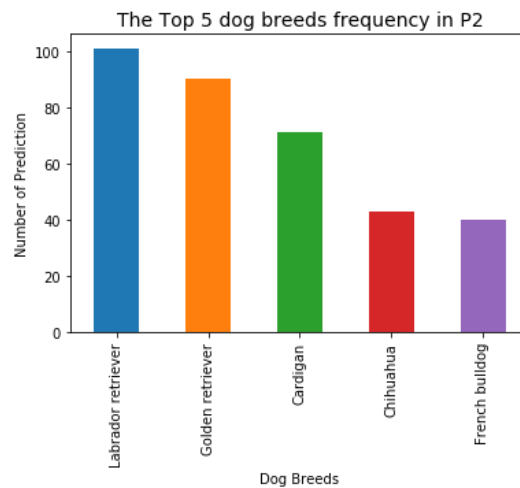
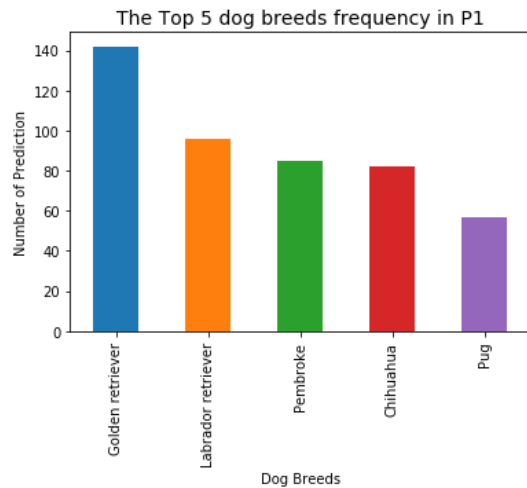
Thanks to Udacity I put my hands on three important datasets to analyze the account which is:

twitter archive (from 2015- to 2017): which is a dataset include basic tweet data (tweet ID, timestamp, text, etc.) However, the Udacity Instructor has enhanc the dataset by using the text column to extract rating, dog name, and dog "stage" (i.e. doggo, floofer, pupper, and puppo). Also, Udacity provided me with the additional Data via the Twitter API, which is the very important data to analysis (retweet count and favorite count). And finally, the Image Predictions dataset, the instructor has ran all the images in the WeRateDogs Twitter archive through a neural network that can classify breeds of dogs. The results: a table full of image predictions alongside each tweet ID, image URL.

Insights and visualization:

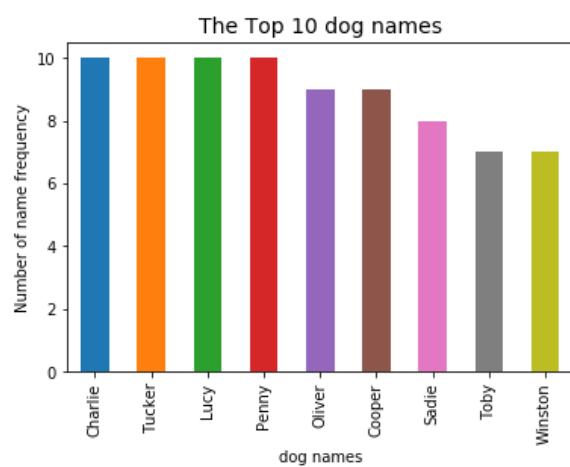
After I wrangled these datasets and analyzed it, I come up with the following finding:

1: The most 5 frequent dog breeds in all prediction:



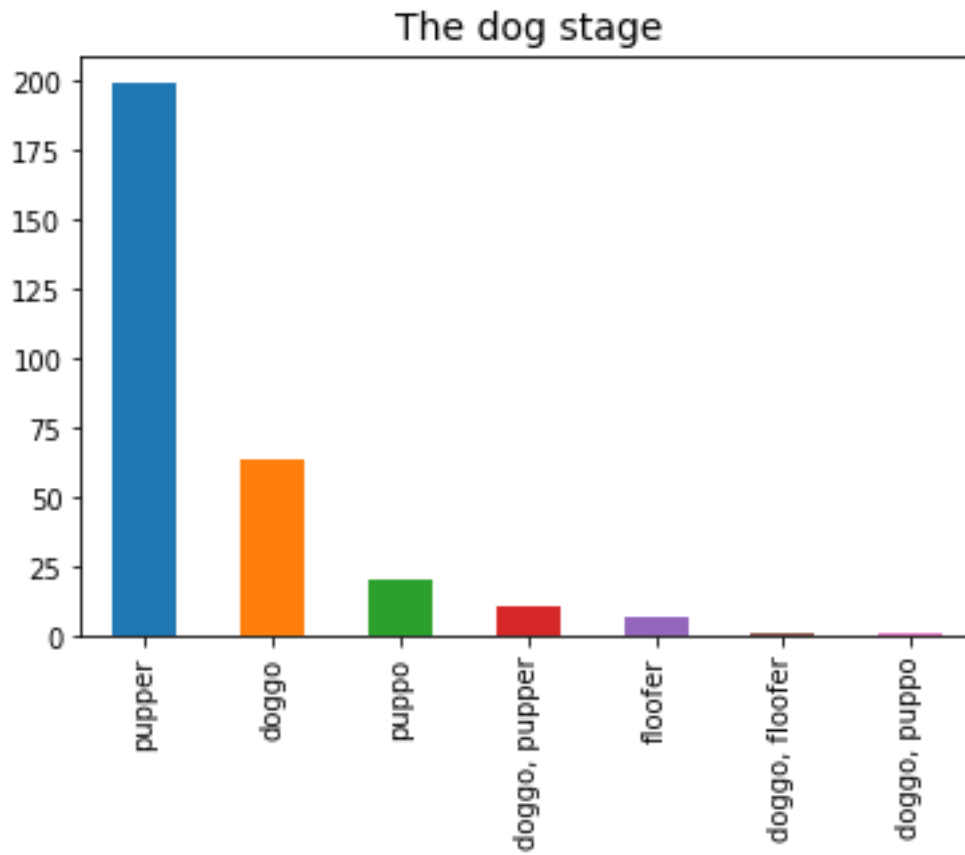
- The most dog breeds in all the predictions were: Golden retriever, Labrador retriever, Chihuahua.

2: The most frequent dog names:



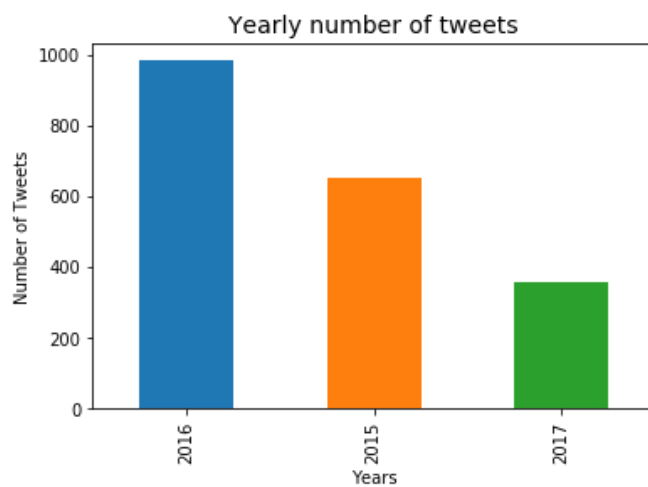
- The names in order are: Charlie, Tucker, Lucy, Penny, Oliver, Cooper, Sadie, Toby, Winston.

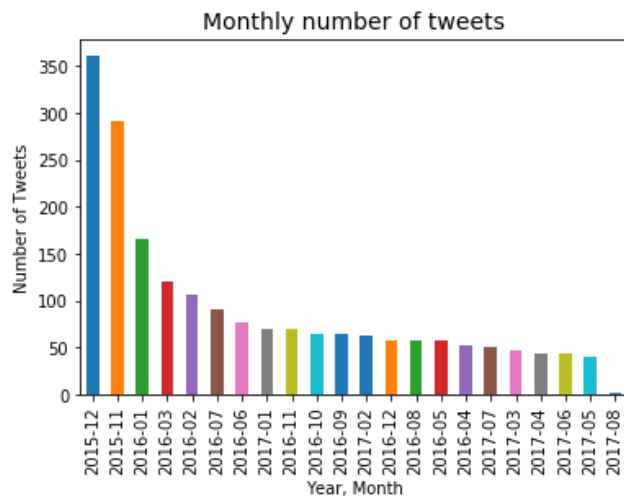
3: The most common dog stage:



- The most common dog stage is: Pupper.

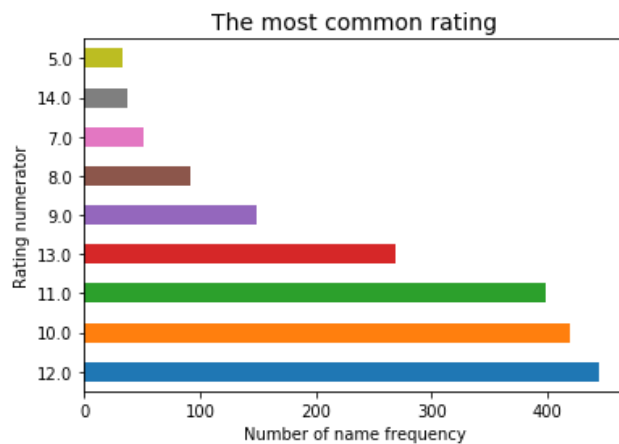
4: Visualize the number of tweets over time.





- The popularity of the account starts at the end of 2015 and continue through 2016 then decrease in 2017.

5: The most common rating:



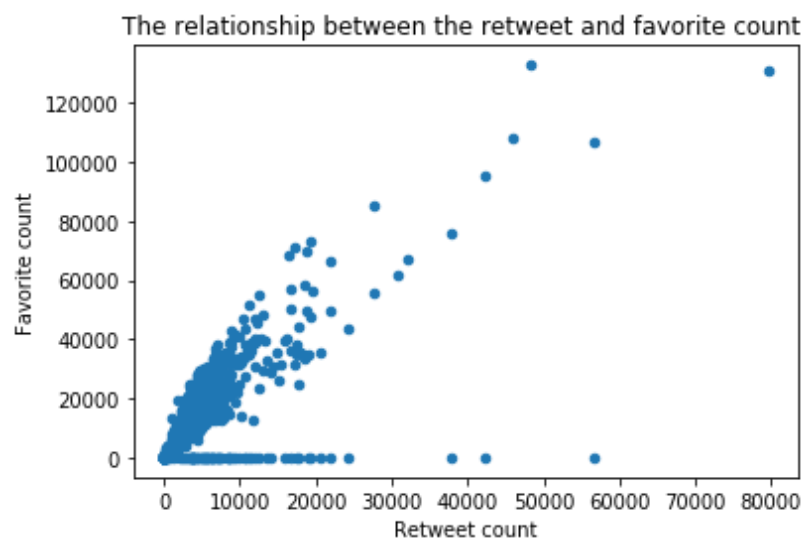
- The most rating used is 12.

6: The dog who received the highest rating:



- The dog Atticus has received the highest rating in the dataset.

7: The relationship between Retweet and Favorite:



- The relationship between the Retweet and Favorite showing a positive correlation, in other words, as one of them increase while the increases.