Data Analysis and Visualization for WeRateDogs Twitter Data

Observation 1

Top 10 most popular dog names

title

I used the matplotlib python library to plot the frequency of the names in the data set. The top 10 most popular dognames are displayed in the bar plot image above. The most popular known dog name from the WeRateDogs twitter page is 'Charlie' with 12 dogs having that name.

Observation 2

Dogs with the most likes and retweets

Dog with the most likes

In order to determine the dogs with the most likes and retweets, I employed the use of the max() python function which returned the data for the dog with the most likes and retweets. The dog with the most likes is identified by it's tweet ID '822872901745569793'. It had a total of 132810 likes, makimg it the most liked dog. The dog's name was not included it the tweet text, however, it was described as ' a super supportive puppo'. The classification of the dog is therefore 'puppo'. It had a rating of 13/10 and the tweet was put out on 2017-01-21, at the time of: 18:26:02+00:00. From the breed classification, the dog is of the Terrier breed.

Dog with the most retweets

The dog with the most retweets is identfied by the tweet ID '744234799360020481'. The dog had a rating of 13/10. It had 79515 retweets, the most in the data set. The classification of the dog is 'dogo' and from the image predictions, it is a mixed-breed dog of Labrador retriever whippet mix. The tweet was put out on 2016-06-18, at the time: 18:26:18+00:00.

Observation 3

Trend of likes and retweets over time

title I used the matplotlib python library to plot the retweet and favorite counts against the dates which I simplified into years and months. From the plot diagram above, it is observed that both the number of likes and retweets have been increasing steadily from 2015-2017. However, it is observed that the number of likes increased significantly more than the number of retweets.

Observation 4

Determine the most and least common dog classification

title Using matplotlib python library, I was able to plot the frequancy of dog classification in the data set. The most common dog classification was 'Pupper' and the least common one was the 'doggo-floofer' classification