Act Report

For this analysis the data is gathered from three different sources. WeRateDogs gave Udacity exclusive access to their Twitter archive for this project in the form of a csv file. This archive contains basic tweet data (tweet ID, timestamp, text, etc.) for all 5000+ of their tweets as they stood on August 1, 2017. Each tweet image was run through a convolutional neural network with the purpose of analyzing the images to correctly identify the dog breeds. The convolutional neural network predictions were programmatically downloaded using the Requests Python library as a tsv file. And finally, using the tweet apj, the json object of each tweet is gathered and saved on json data file. Each tweet's entire set of JSON data file consist all information about its such as created time, favorite count and retweet count etc.

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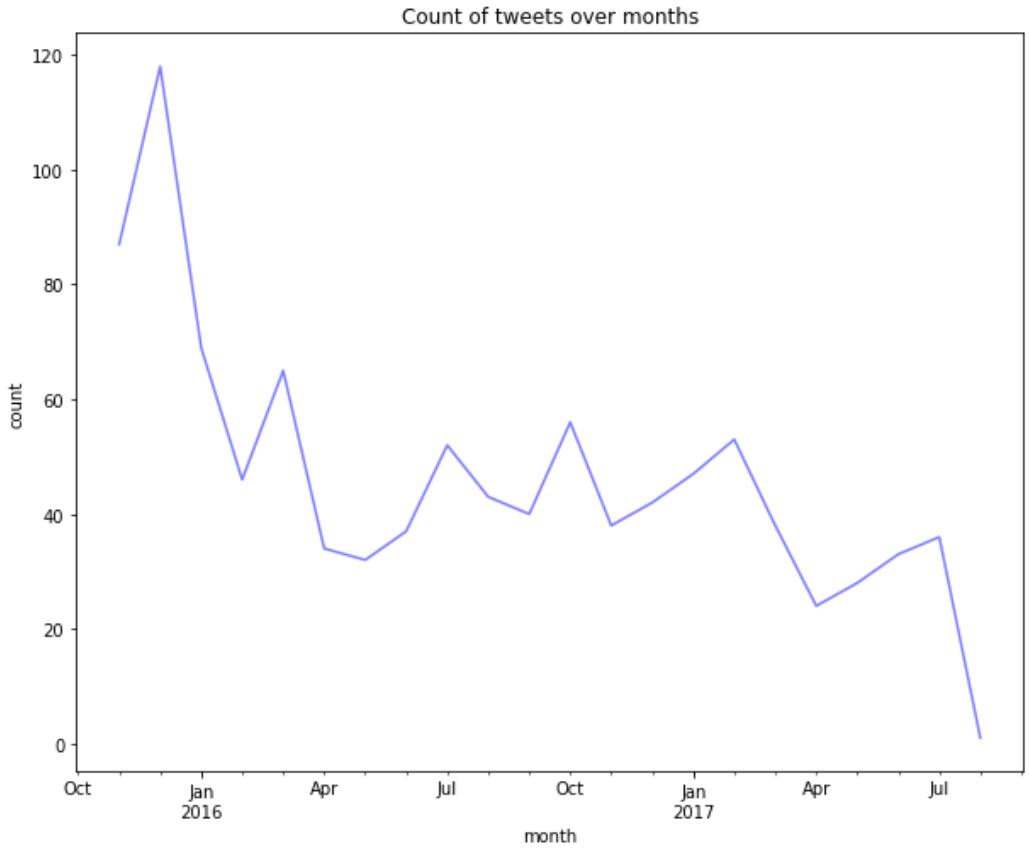
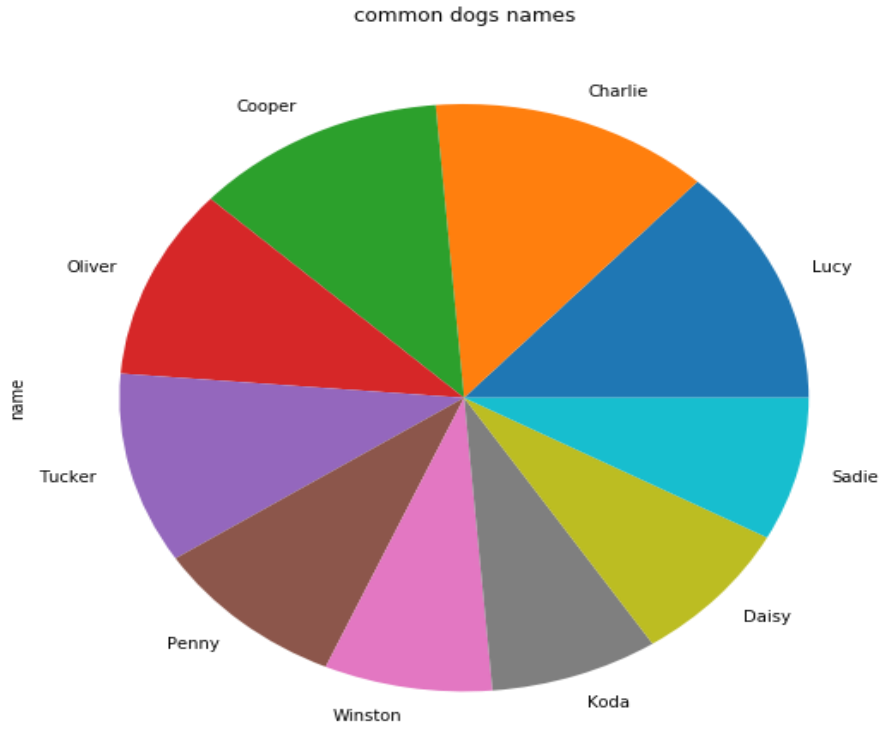
in the section below, we will handle some insight about the dog rates:

Q1: How was the tweeting intensity over time?



As we can see from the graph, the tweeting between Oct 2015 till Aug 2017, was intense and high at the beginning. However, tweeting count started a hard reduction in its number between Dec and Feb 2015/16. Furthermore, the peak of tweeting was at Dec 2015 and the lowest tweeting count was at Aug 2017.

Q2: What are the most common dogs name?



From the pie chart, we can see that the most common dog names where ten. Four of which takes the half of the pie. Moreover, the most common dog name is Charline.

Q3: How were the dogs' popularity in terms of retweeting and favoriting?

In terms of favorite count, Darla and Franklin were the most popular respectively. On the other in retweet count, it's vice versa where Franklin has the highest count then Darla. Finally, the least popular one in both retweet and favorite was Jax.