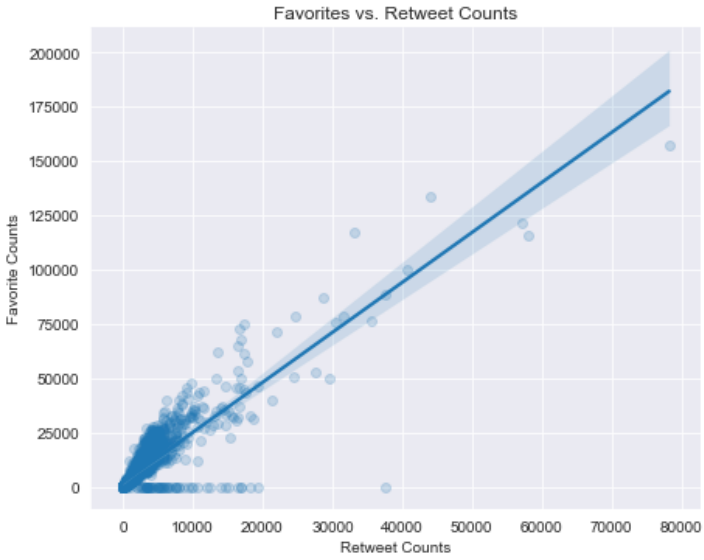
Analysis and Visualization

Introduction

The wrangle report is done to explain what I learned from Udacity's Nano Degree program, subsection Data Wrangle. The data which is wrangled here is a tweet archive of the twitter account @dogrates, which is also known as WeRateDogs. This report contains the Analysis and visualization.

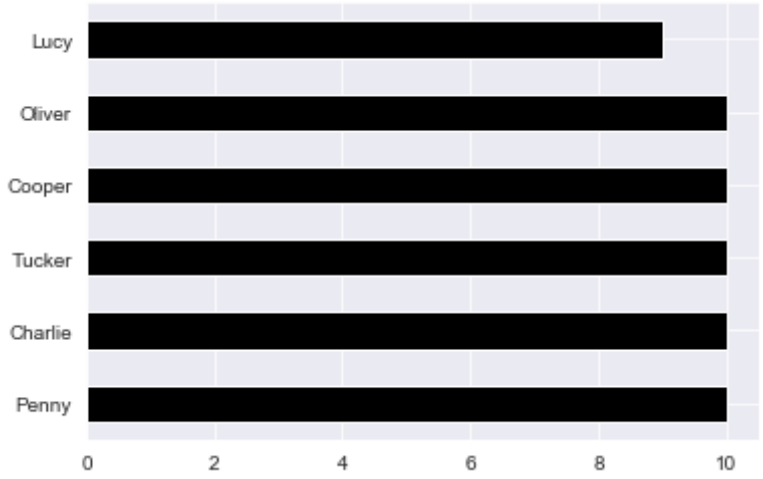
Favorites vs Retweets

The lineplot we see below is showing a positive correlation between the favorite's tweets and the number of retweets a post received. This analysis gives us a general idea on which post receives well amount its followers and how popular the post is. Based on this data, the future pictures or tweets can be based on past popular posts and eventually increase the user traffic to the account for better monetization.



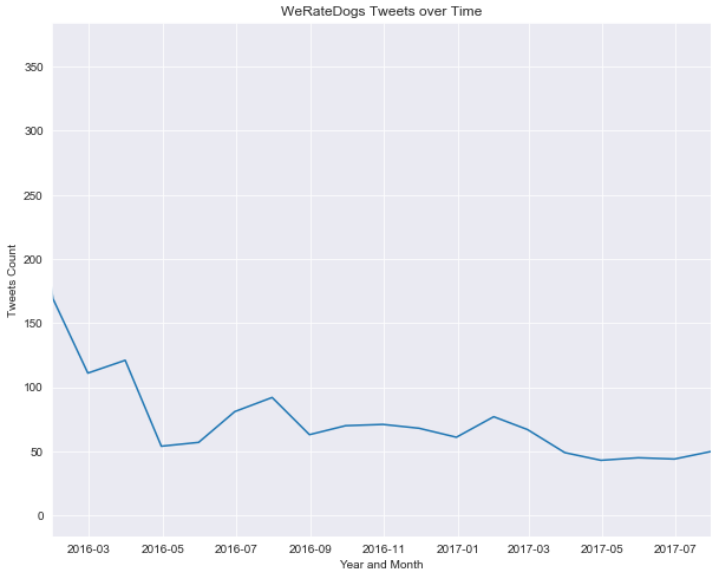
Popular Dog Names

The below bar chart provides us with details of the famous dog names based on the archive data. Based on this data, we know the preference of the audience in naming their dogs and can analyze this to provide suggestions for new names. One set of audience might prefer unique names and in those situation we can make sure we don't name the dogs the below mentioned names. In a reverse scenario for famous names we can see the chart below and recommend them.



Tweets over time

The below mentioned graph analyses the data of tweets collected over time. It must be noted that the tweet was analyzed only from the beginning of 2016/01/30. From this we get a general idea that the tweets is seen to be gradually decreasing over time with a couple of increase but the overall trend is that the number of tweets had dried up. This might be due to the preference of quality over quantity since the twitter handle has already got over million followers. Since we don't have any data to analyze this we can say anything for sure. We can plot the popularity of each tweets along with this graph timeline to make a deduction but that would not be accurate.



Conclusion

There are still many different ways and angles through which we can analyze the data and the one provides above are just a glimpse of what can be done after data wrangling.