

Report

Analysis and Insights of WeRateDogs Data

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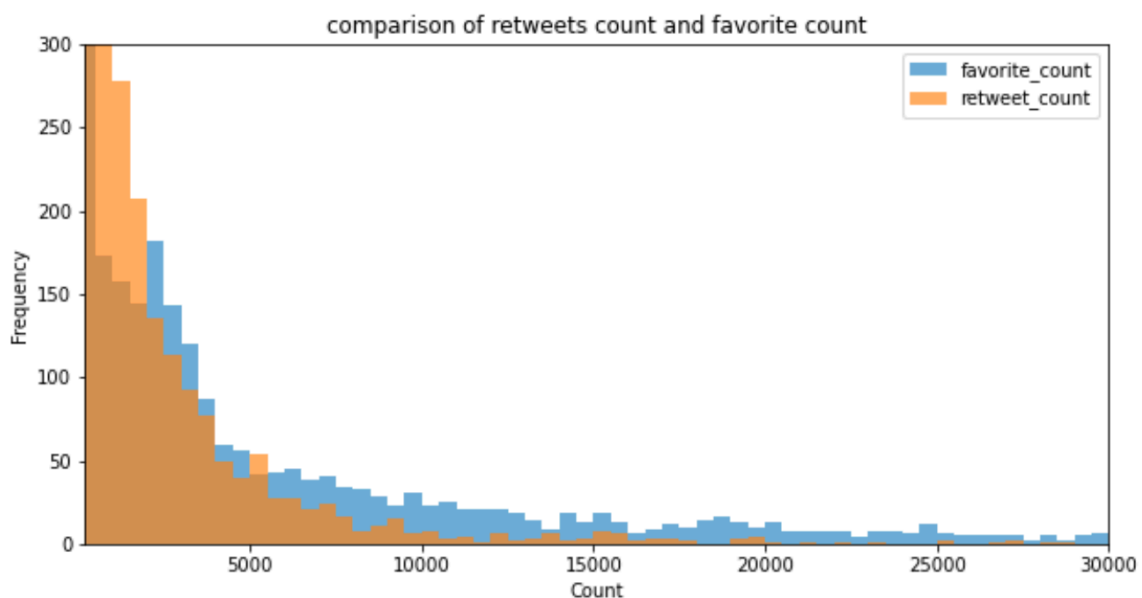
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Analysis and Visualization of Data

In this part, several plots were created to analyze data and to draw valuable conclusions. I started by defining what I want to plot in order to simplify the process.

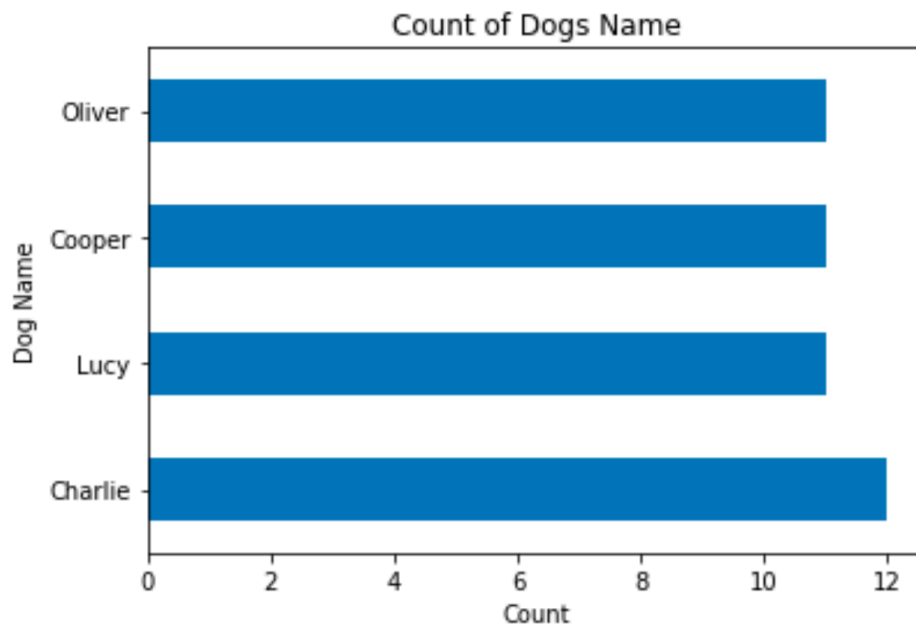
1. Plot the comparison between the retweets counts and favorite counts
2. Plot the most popular dog names
3. Plot the total number of tweets over time
4. Plot the count of dog types in the dataset

1. Comparison between retweets counts and liking counts



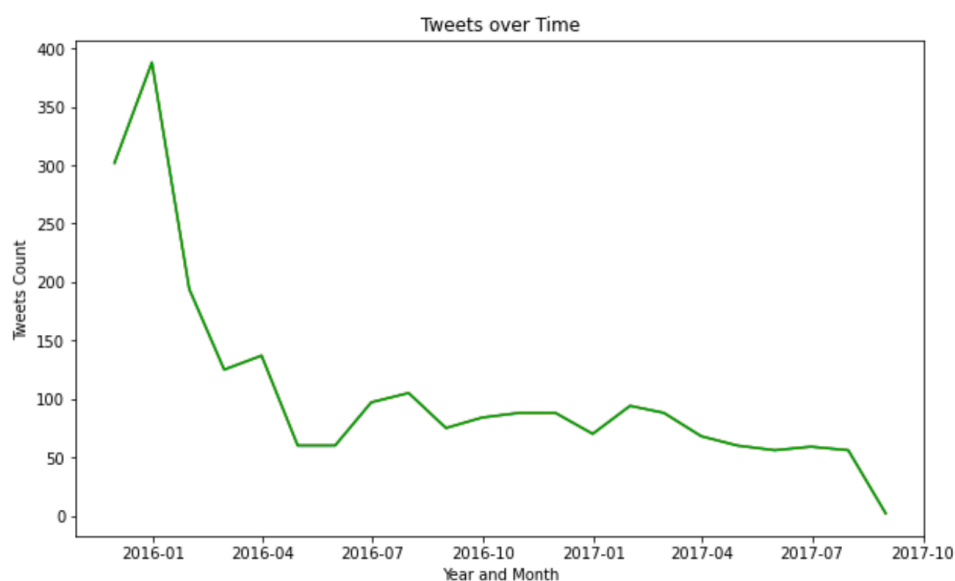
Based on the above plot, we see that people tends to like tweets more than retweeting them. But number or retweets is not significantly different from number of like. Furthermore, even with this slight difference we can conclude that likes is favored by the followers of WeRateDogs account.

2. The most popular dogs name



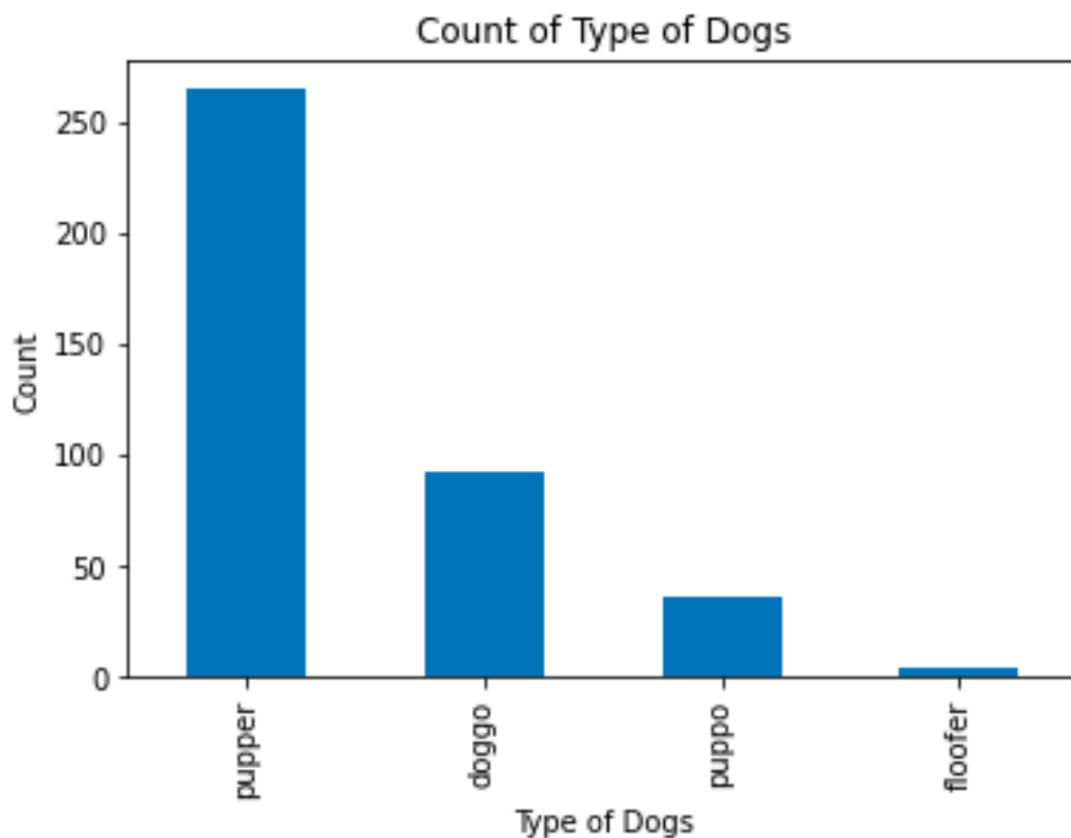
For this part, I have compiled the names of the five most popular dogs. And based on the plot above, we can see that the most popular dog name is Charlie, then followed by Lucy, Cooper and at last Oliver.

3. Total number of tweets over time



In the above plot, a sharp decline in tweets is seen over time with spikes occurring in the early months of 2016 (Mar), 2016 (Apr) and continuing decreasing after that.

4. The count of dog types



According to this part of the study, we are curious as to what types of dogs are most popular to be owned, and based on our analysis, we can observe that people are most likely to adopt Pupper dogs, which have the highest count, followed by Doggo, Puppo, and all the way down to the Floofer.

Conclusion

The following write-up summarizes the results of the analysis over WeRateDogs account. Our analysis tells us which kinds of dogs are popular in adoption, what dog names are popular, and also valuable information about WeRateDogs account, their followers' favorite tweet actions such as liking or retweeting, and their tweets activity over time.

- Followers' tends to like tweets over retweeting
- Popular dog name is Charlie
- Popular dog type is Pupper
- Their Tweets have sharply decreased over time