# Visualizing and Analysing of *WeRateDogs*

With the clean and complete dataset, I can explore and analyze the data in different ways. Thus, the analysis will be made up of three parts, people's preferences for dog breeds, Users' retweet habits and the relationship of ratings and the favorite counts.

I use the column 'names' to determine the dog names of each tweet and narrow down the analysis to the top 10 names with most tweets. With the data of retweet counts and favorite counts, I can find out which names is the most popular .
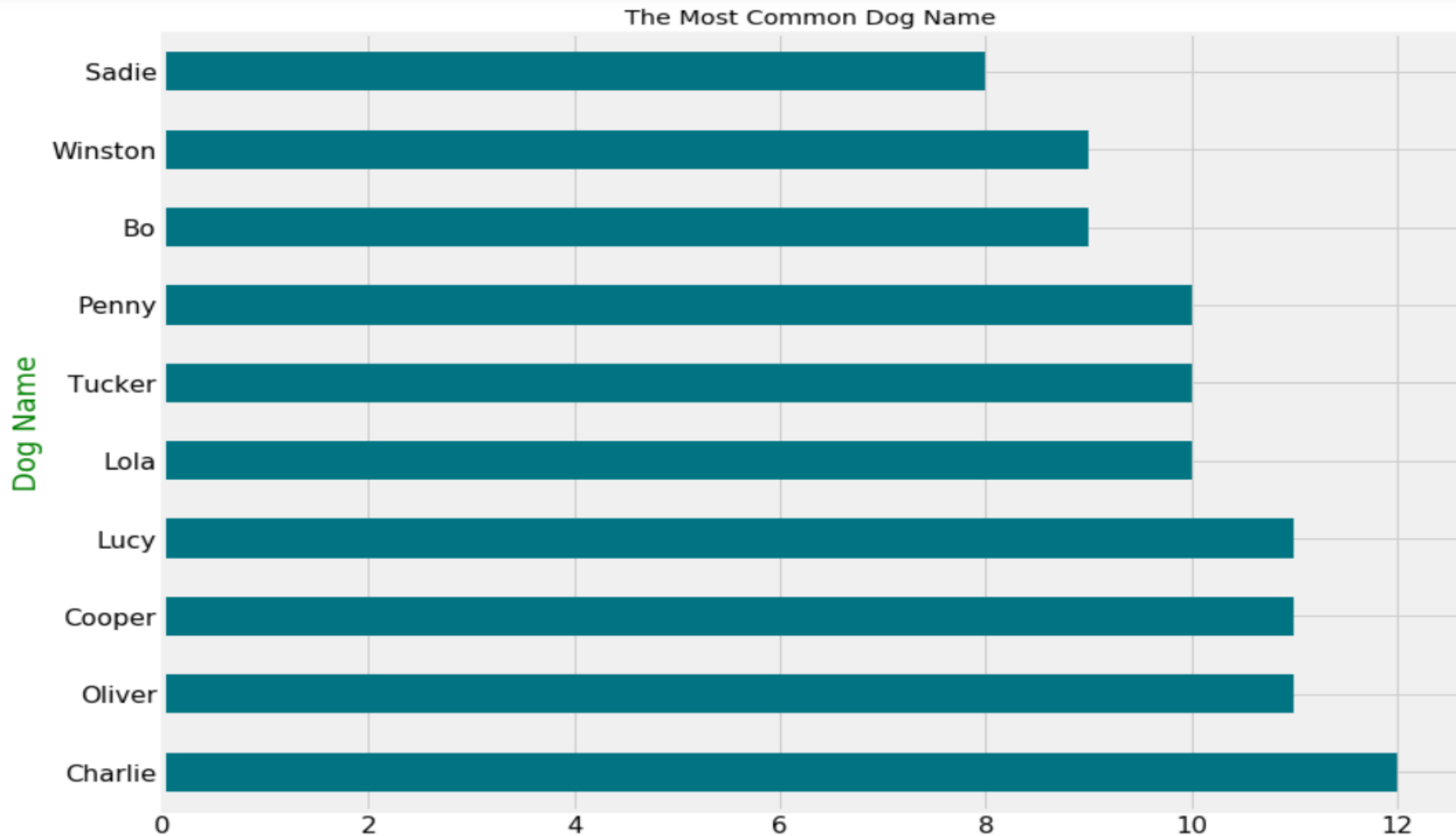
I use the columns tweet_id and timestamp to plot number of tweets per month, the plot shows that weRateDogs does not become more active in rating dogs as the month goes by. Actually, the tweet count has tendency to decrease.

Number of tweet data per month
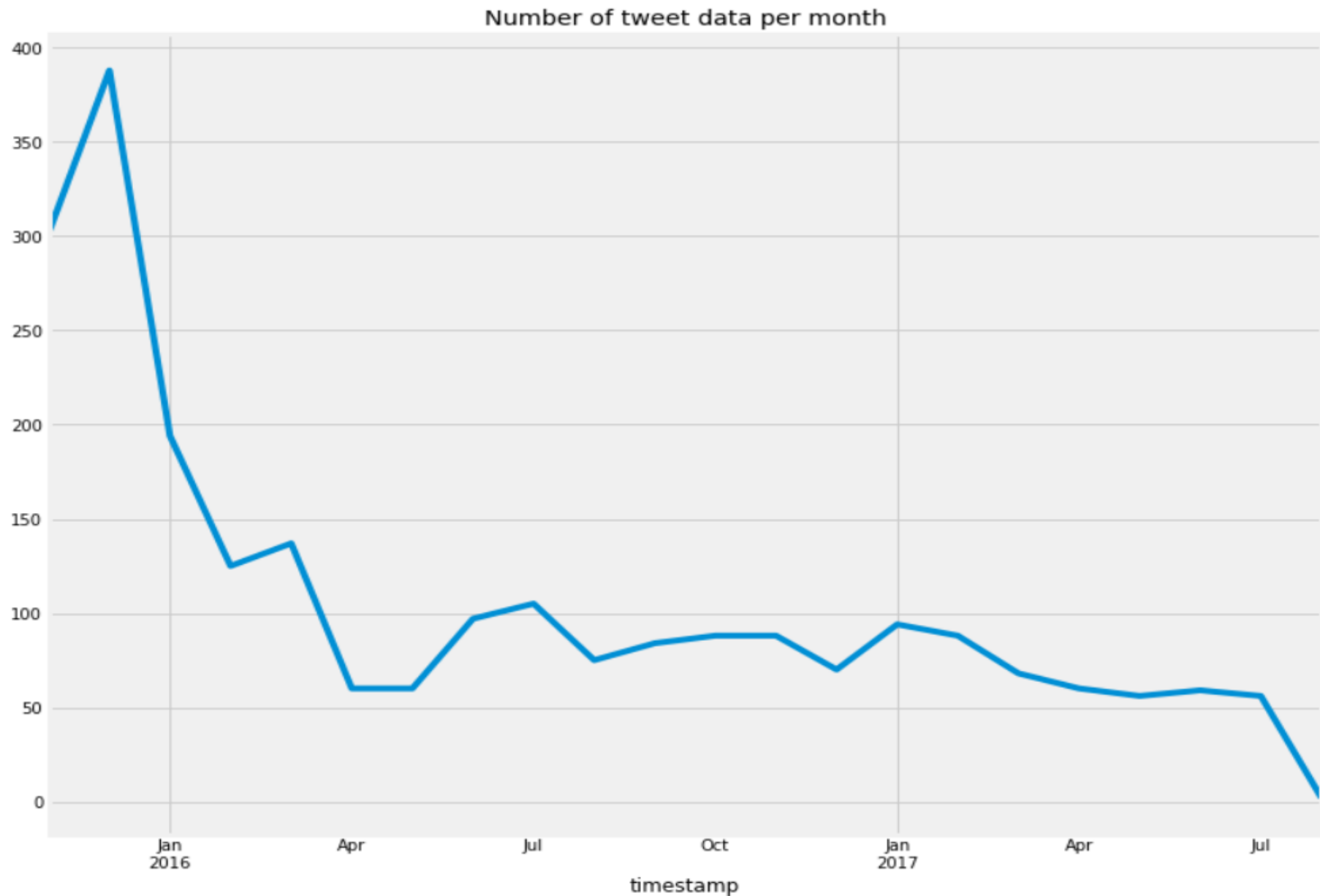
I use the columns timestamp, favorite_count, tweet_count to plot number of favorite_count, tweet_count per month.
The plot show that we can see that there is tendency for retweet count and favorite count to increase.

Median of Favorite Count and Retweet Count for each month
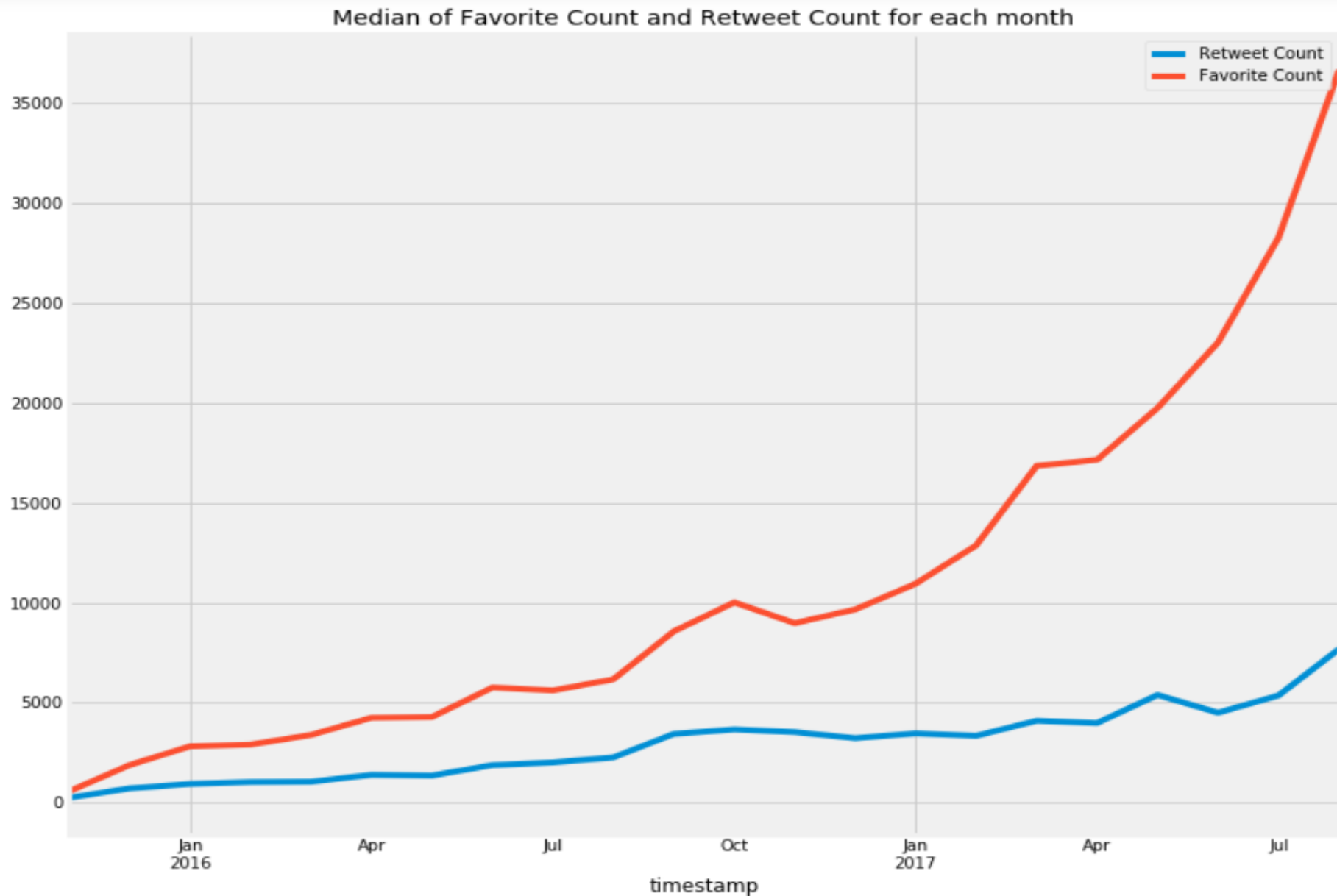
I use the columns favorite_count, tweet_count to plot **the relation between retweet count and favorite count. The plot show that** there could be a correlation between favorite count and retweet count

Favorite Retweet vs Retweet Count