

Insights and Visualizations of WeRateDog Dataset

By Abdullah Akintobi

WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. However, the numerators are almost always greater than 10 (11/10, 12/10, and 13/10). So, in theory, the rates should be 1 to 10. However, WeRateDogs disagree; they admit almost all dogs deserve a ten and sometimes more.

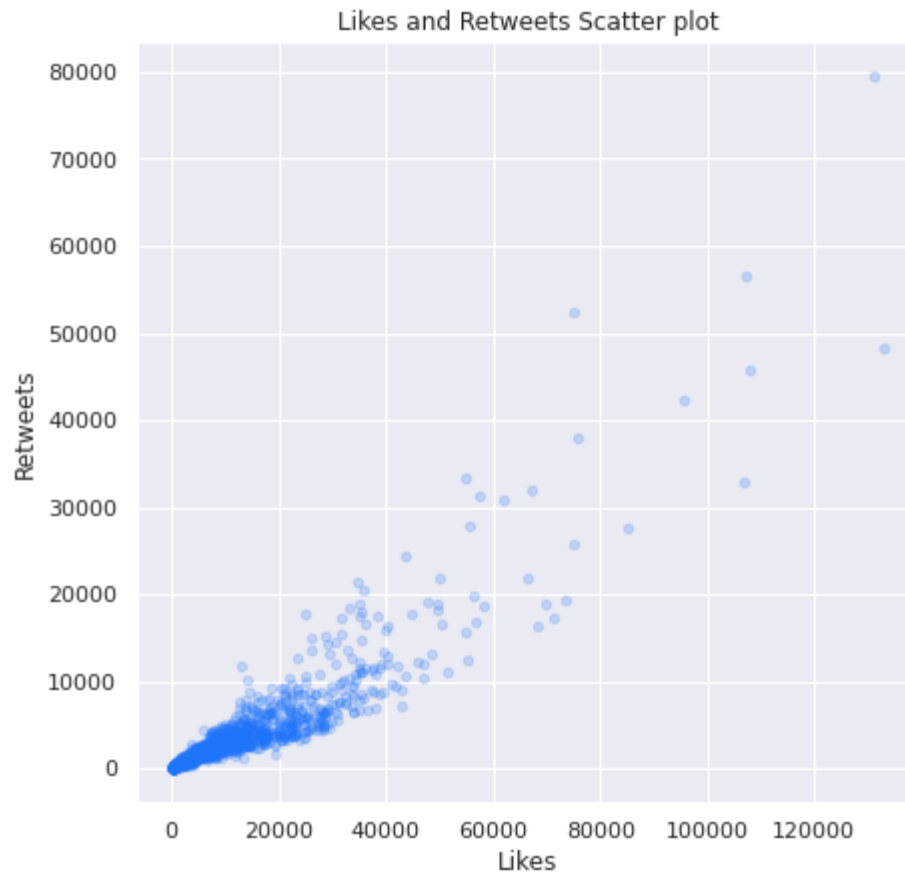
WeRateDogs has over 9 million followers and has received international media coverage. One coverage was about the quote, "they're good dogs, Brent" this was an exchange in which WeRateDogs shut down a person having an issue with its rating system in humorous ways.

I will explain the analysis and visualization of WeRateDog's Twitter account posts in this article.

Note: All graph images in this article are graphs from my visualization. favourite_count from the charts is the number of likes, while retweet_count is the number of retweets.

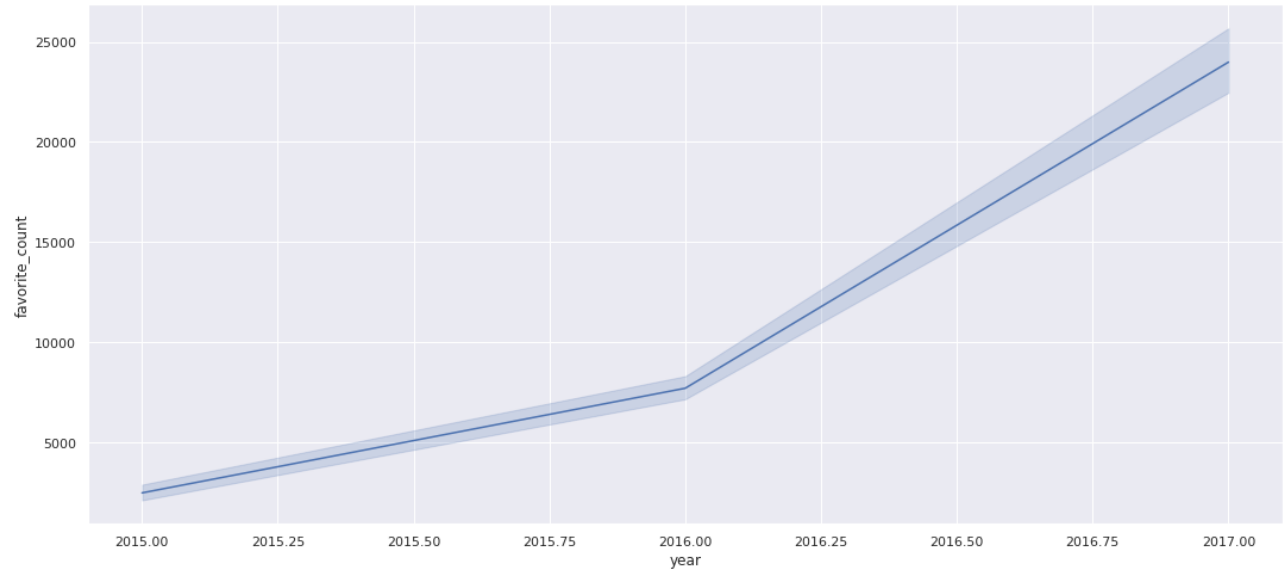
Now, let's dive into answering the WeRateDog Twitter post data questions.

Firstly, I checked if there is any relationship between likes and retweets. Through my analysis, I observed that the tweet retweet number increases with the number of likes which makes sense because a tweet that gains more like tends to receive more retweets most of the people who like a post on tweeter retweet to show the tweet to others. The scatter plot below shows the linear correlation between the number of likes and retweets.

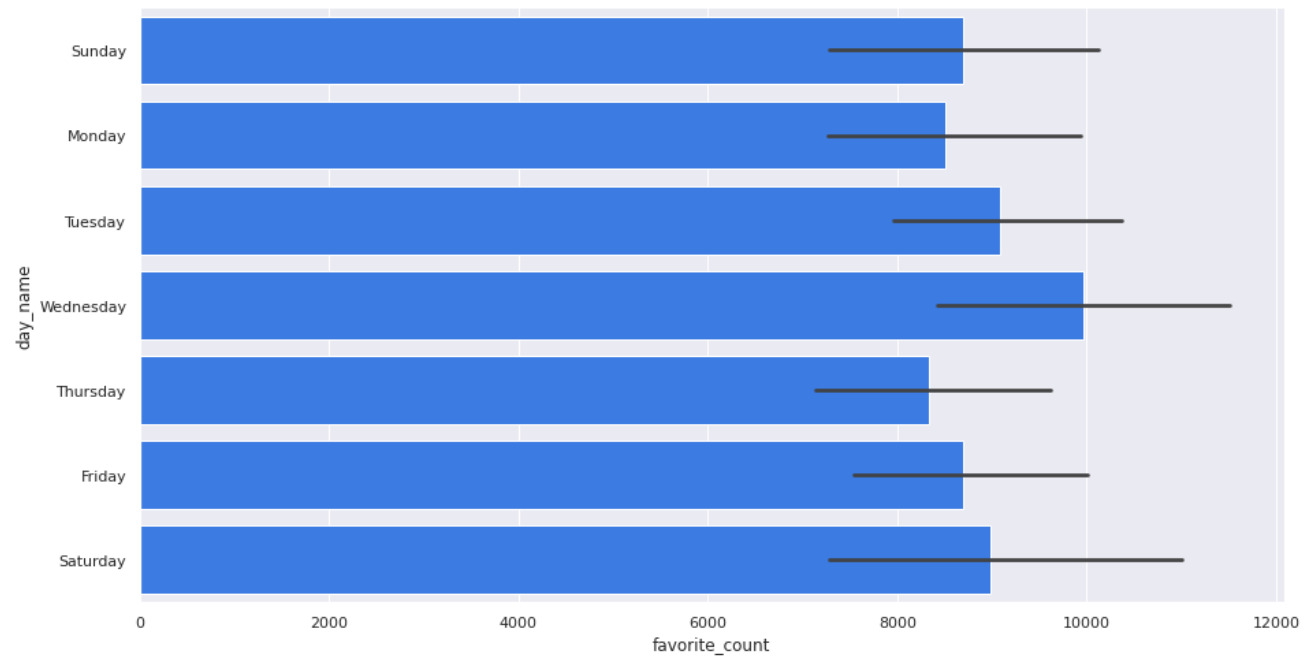


Secondly, I investigated if their tweet likes increased or decreases by year. I observed that the tweet likes increase as the year goes on. I also marked that the Twitter account became more popular in 2016 as the line graph bent upward from 2016. The below chart divides the year into quartiles.

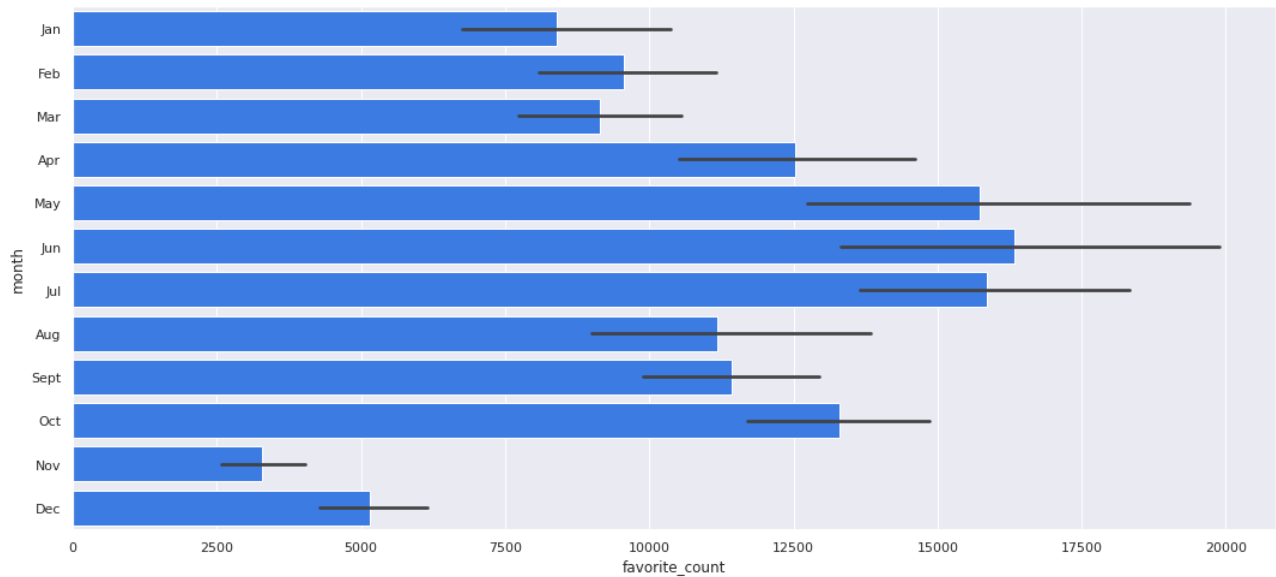
Line graph of Favourite Count against Year



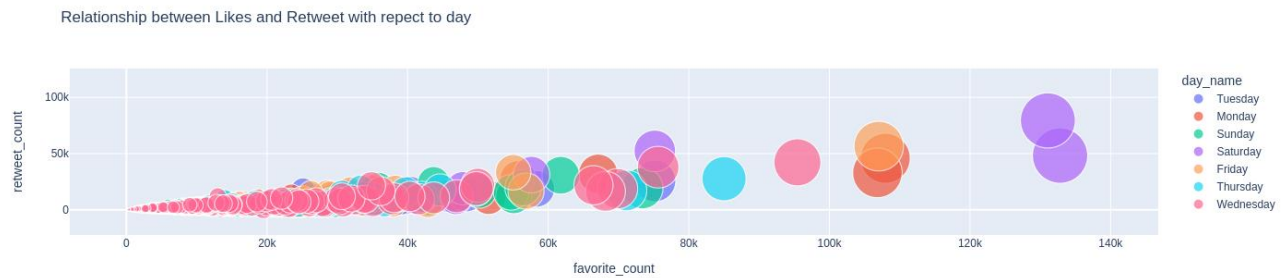
Moreover, I check the number of likes their tweets have daily and the ones with the highest. This insight can help WeRateDog know how to post the days their tweets always go viral the most. The below bar chart shows the tweet likes based on the day WeRateDog tweeted.



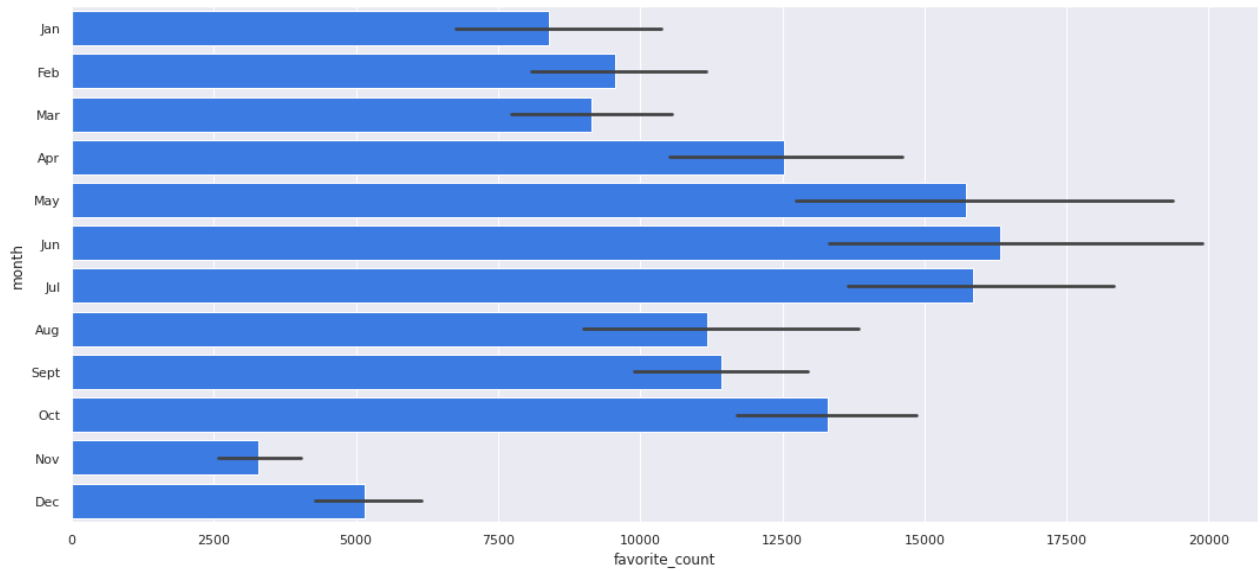
Furthermore, I investigated the month of the year that their tweet received high likes. The bar chart below shows that their May to July tweets always receive more likes than other months.



Additionally, I inspect the data to know the day of the week that got the highest number of likes and retweets. From my visualization, I observed that the tweet with the highest number of likes and retweets was on a Saturday. The visualization is in the below graph.



Furthermore, I tried to see how the rate in their tweets affected the number of likes the tweet got. I noticed that most of their tweets rated as 14/10 gained the most likes. It can be observed better from the graph below.



In conclusion, some of the data in the WeRateData sets are faulty, which gives some challenges in the data analysis and visualization. Also, I can do in-depth research on the data set to answer more in-depth questions, like what type of phase or tone from the tweet attract people to like and retweet the tweet. We could also check how the number of their followers increases with time and posts.