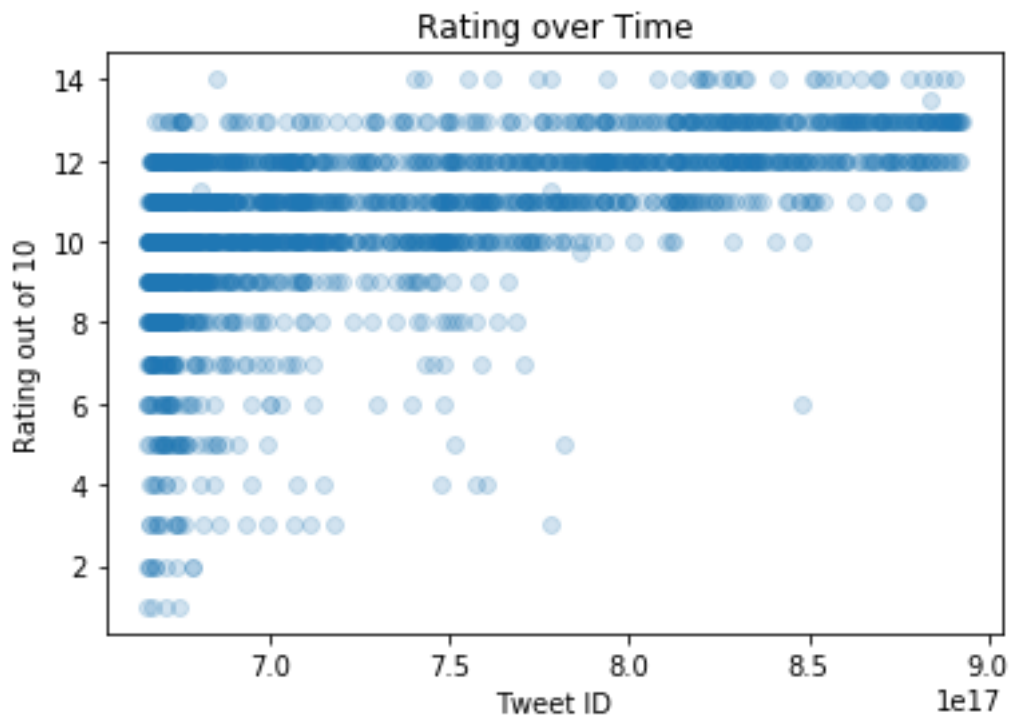


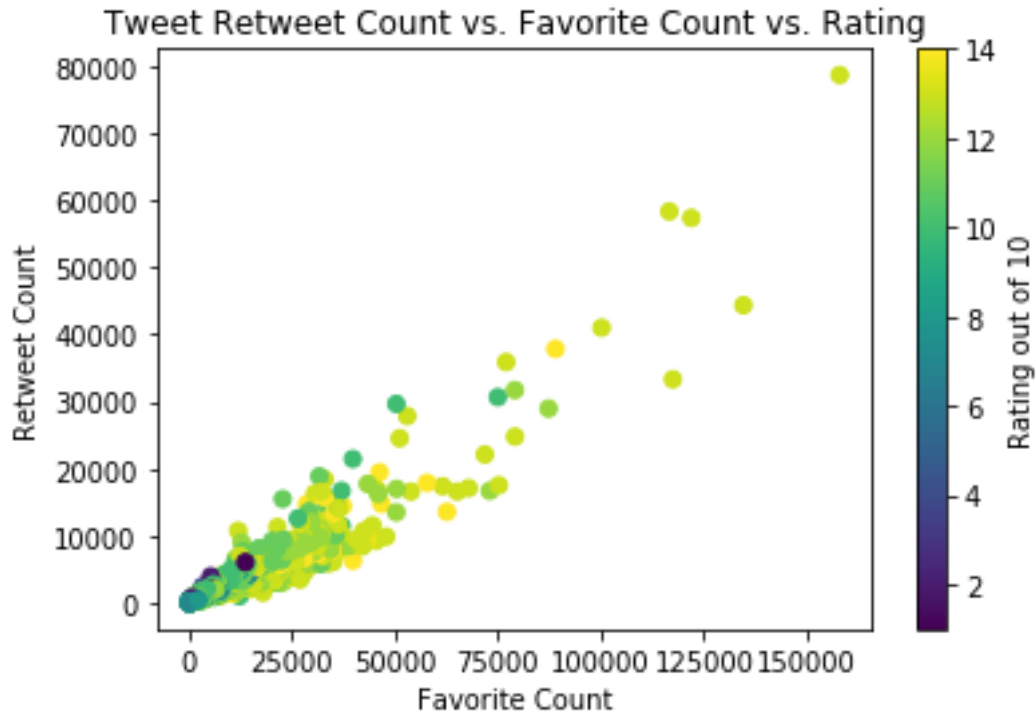
Insights from We Rate Dogs Tweets

We Rate Dogs is a popular Twitter page that playfully rates dogs on a 10-point scale. The humor of the page can be seen by the fact that most dogs are actually given a rating higher than 10/10. After pulling the page's ratings tweets from 2015 to 2017, and combining with a model that predicts the dog breed in the tweets' accompanying pictures, there's some interesting insights we can learn about the page and about the dogs that were rated.

The first thing of interest to explore was the page's unique rating system. After exploring the data and organizing it in chronological order, it was found that the ratings given generally seem to go up over time. Another interesting thing of note is that around the middle of the period for which tweets were collected, which corresponds to around September 2016, We Rate Dogs had stopped – except for one incident – giving any dogs lower than 10/10. Please see the plot below. The tweet IDs increase with each tweet posted, so the horizontal axis corresponds to time.



Another interesting thing to study is the assumption that there was a correlation between the rating given, the tweet's retweet count, and its favorite count. Is there a correlation? And to what degree? The plot below gives a visual of the correlation between these 3 variables. The horizontal axis represents favorite count, the vertical represents retweet count, and the color of the points represents the rating given by the tweet. The correlation between favorite count and retweet count was found to be 0.93, indicating a strong positive correlation. The correlation between the rating and favorite count, and between rating and retweet count are moderate ($r=0.4$ and $r=0.3$, respectively).



The other insights explored had to do with the characteristics of the dogs chosen to be rated.

The tweets can give a sense of which breeds are most popular (by some standards at least). First, the dataset was subset to only breeds that had more than 20 tweets. The top 3 breeds represented were the Golden Retriever, Labrador Retriever, and Pembroke (aka Corgi). The top 3 highest-rated breeds were the Samoyed, Golden Retriever, and Pembroke. The top 3 most retweeted breeds were the French Bulldog, Cocker Spaniel, and Eskimo Dog. Finally, the top 3 most-‘favorite’ breeds were the French Bulldog, Cocker Spaniel, and Samoyed.

Lastly, the tweets gave an idea of which dog names are most popular. Of the dogs who were given ratings, the most popular names turned out to be Charlie, Oliver, and Cooper.