

Act Report for Udacity We Rate Dogs Project

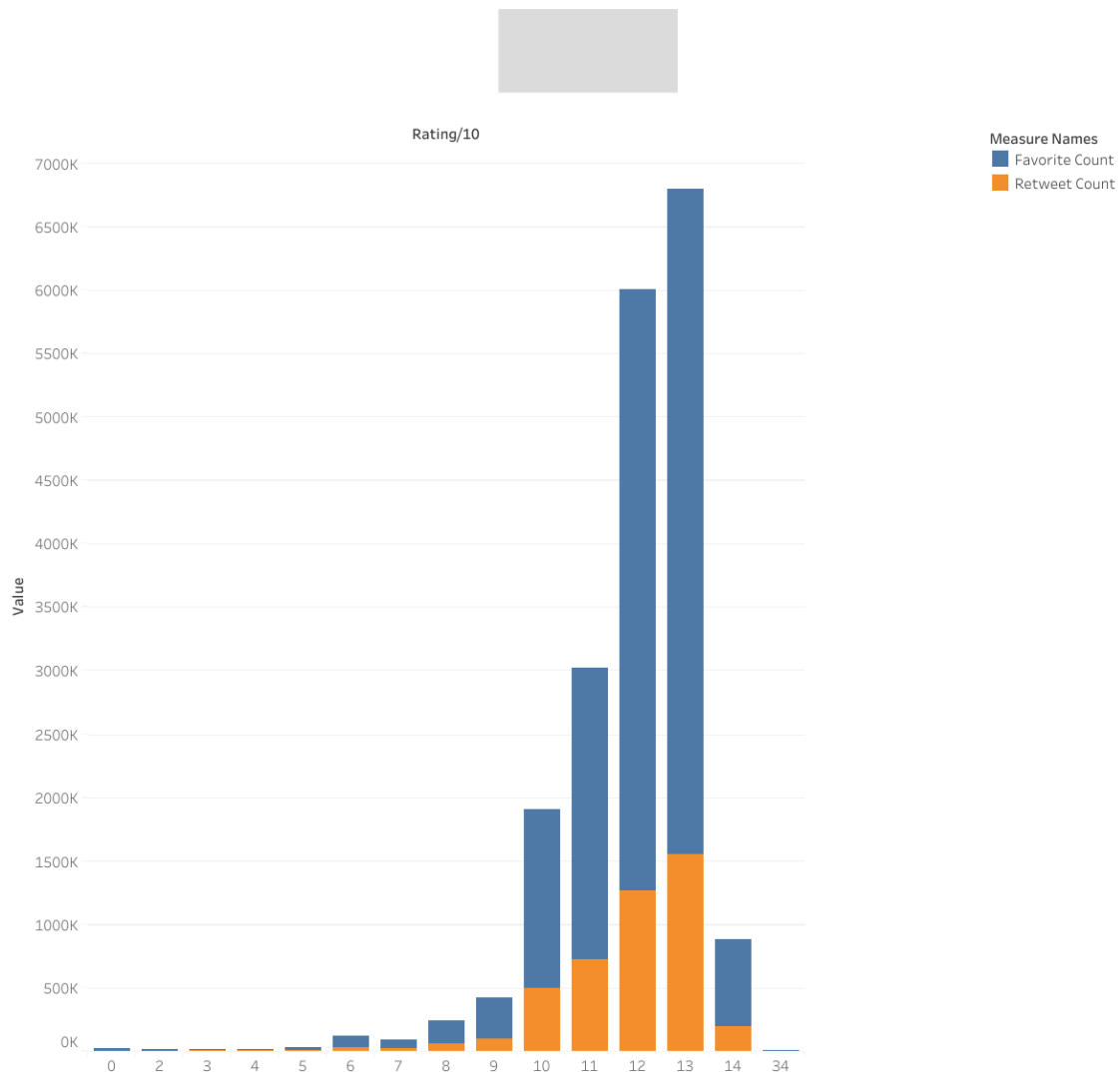
After wrangling this dataset for the WeRateDogs twitter feed, the aim was to look at three questions:

1. Do the favorite and retweet counts track the WRD ratings (i.e., are the more highly rated dogs also favorited/retweeted more?)
2. What breed of dog is the most popular with WRD readers?
3. Have ratings gone up over time?

The following quick analyses using the wrangled data and Tableau Public shed light on the questions.

1. Do the favorite and retweet counts track the WRD ratings (i.e., are the more highly rated dogs also favorited/retweeted more)? Yes, both favorites and retweets tracked the ratings as see below:

Favorites and Retweets vs Ratings



Likes and retweets are both left skewed. Interestingly, above a rating of 13 the relationship breaks down, although there aren't as many of the higher ratings. There are 221 ratings of 13 in the dataset, with only 22 of 14.

2. The most common dog breed in the dataset is Golden Retriever (identified 173 times in the dataset), but once we normalized to frequency of occurrence and looked at which dogs got the most favorites the winner, although not clearly so, was the Bedlington Terrier. I had no idea what this dog looked like. Here are a couple (supposedly):



Apparently, the AI algorithm has a lot of false positives for Bedlington Terriers.

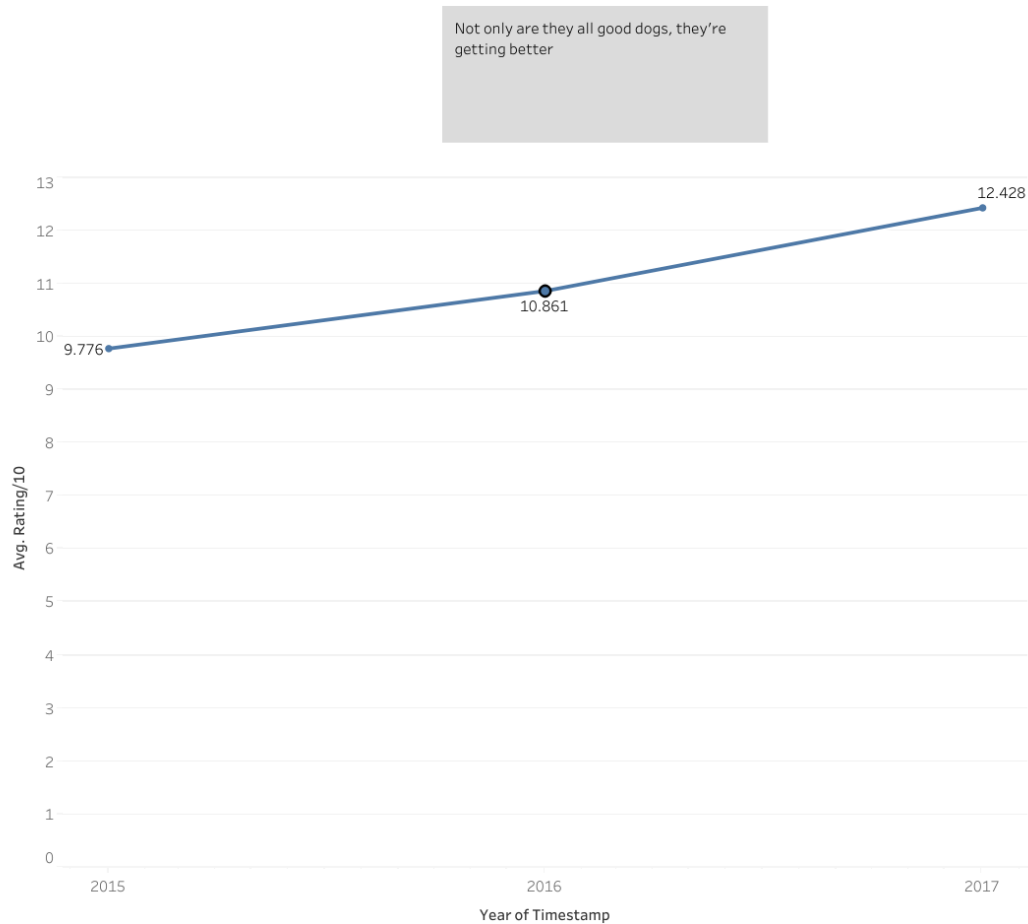
In the meantime, the poor Brabancon Griffon gets no love:



I also doubt the veracity of the breed identification in this case. Recommendation: find a better breed identification AI.

3. Have ratings gone up over time? Being a follower of WeRateDogs myself, I have had the suspicion that the ratings have gone up on average over time. This is borne out by this dataset:

WRD Ratings v Time



4. Last, it wasn't a question but it needs to be addressed: There are no pitbulls or Plott hounds at all in the archive! This is obviously a glaring error and calls the validity of the WeRateDogs system into question, since pitbull/Plott hound mixes are clearly the best dog.

