

Udacity's Data Analytics Nanodegree

Project: Wrangle and Analyze Data from @dog_rates

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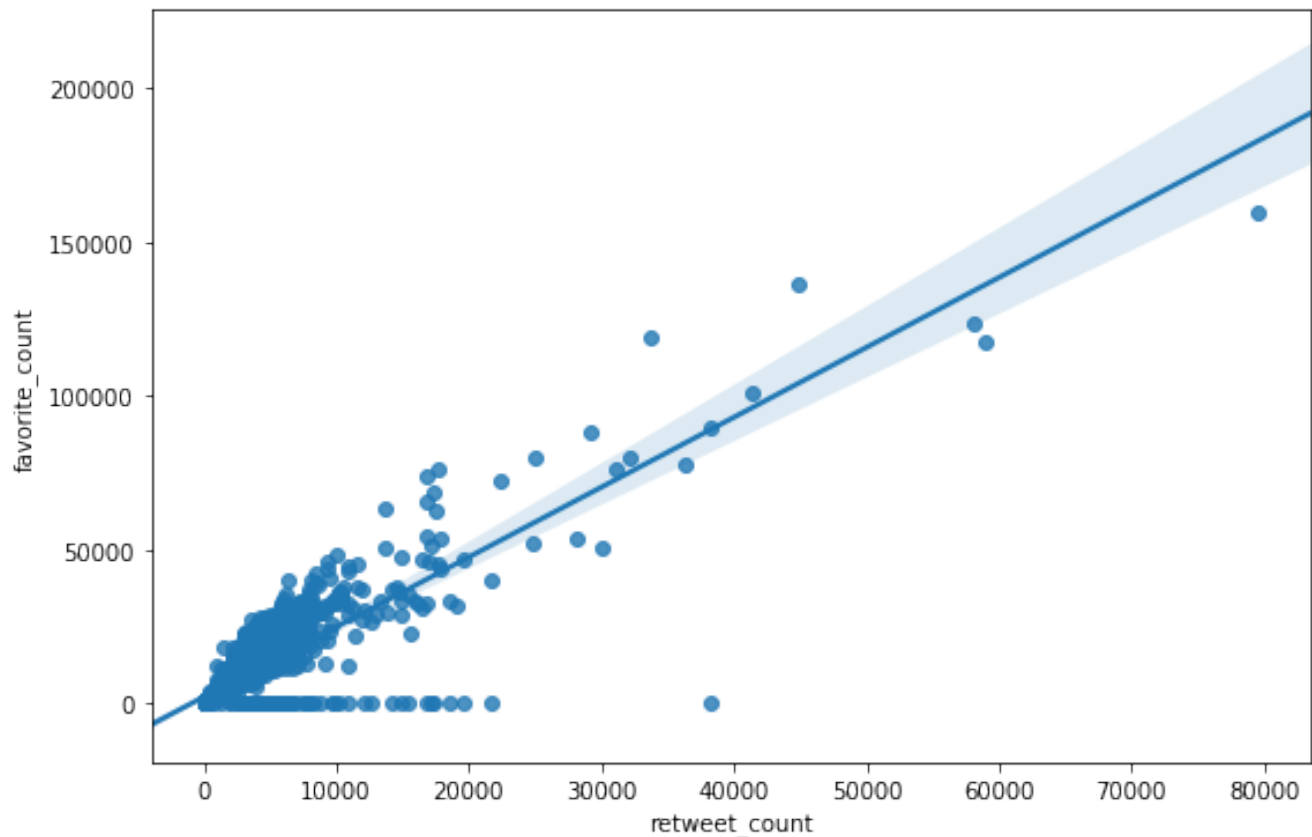
WeRateDogs (@dog_rates) is a humorous tweeter account created by [Matt Nelson in 2015](#). From 2017, @dog_rate was spun to a website, Facebook and Instagram which the daily dog rating and relevant merchants related to dogs and memes from the periods of 2015-2017. By Oct 2019, WeRateDogs has 8.5M followers.



Dogs have been a part of many families. Dogs also one of earlier animals domesticated by human, so the attachment dogs makes sense. WeRateDogs rates dog in the scale of 10 but

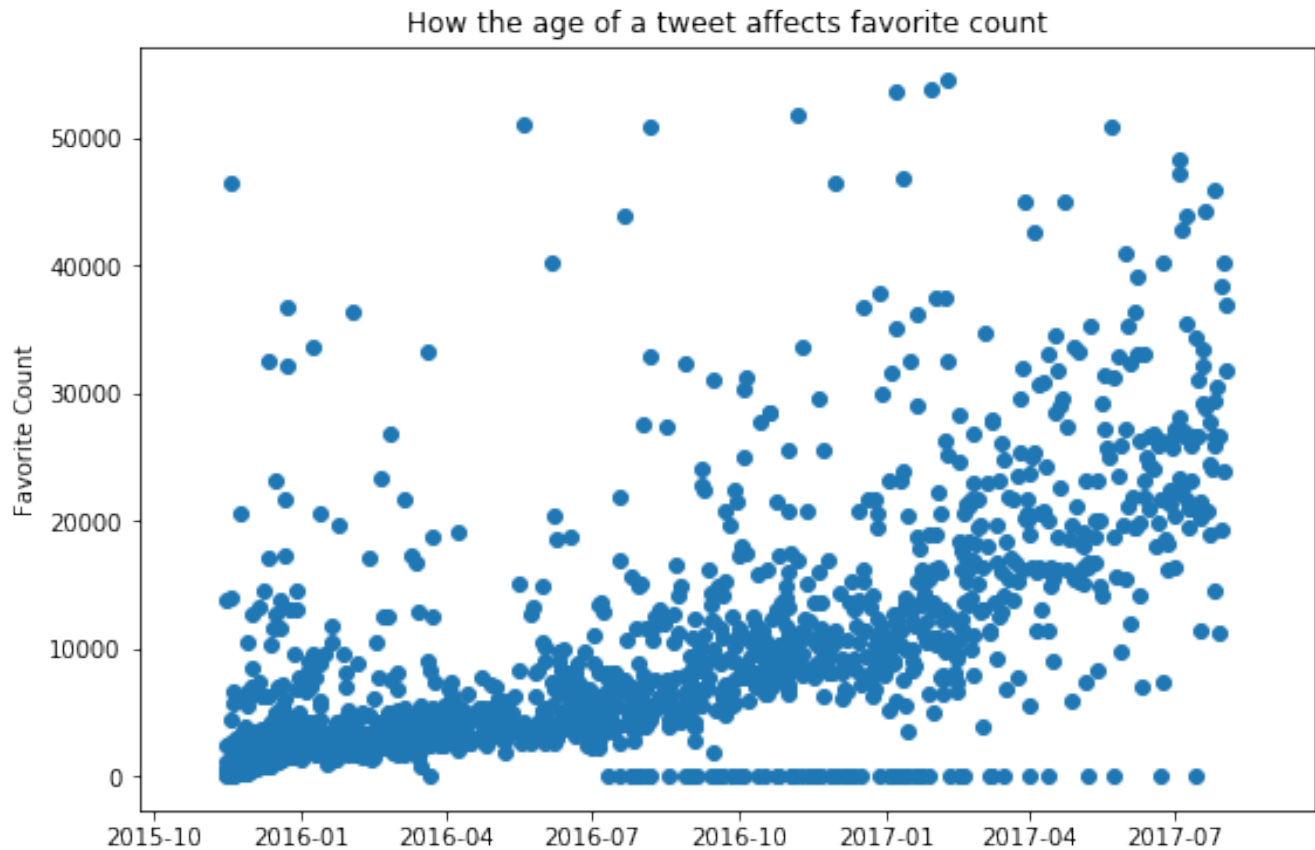
eventually the rating goes beyond 10, even with a decimal point recently. The discussion of [They're good dogs, Brent](#) explained why a weird rating but plausible at the same time. Using the Tweeter's archive and retrieving favorite and retweet for the listed tweeter's id, the merged DataFrames includes the extracted text from the tweets and the neural network prediction if a photo is a dog and which breeds it is. A few interesting insights from analyzing the final dataset are below.

1. What is the relation between favorite and retweet?



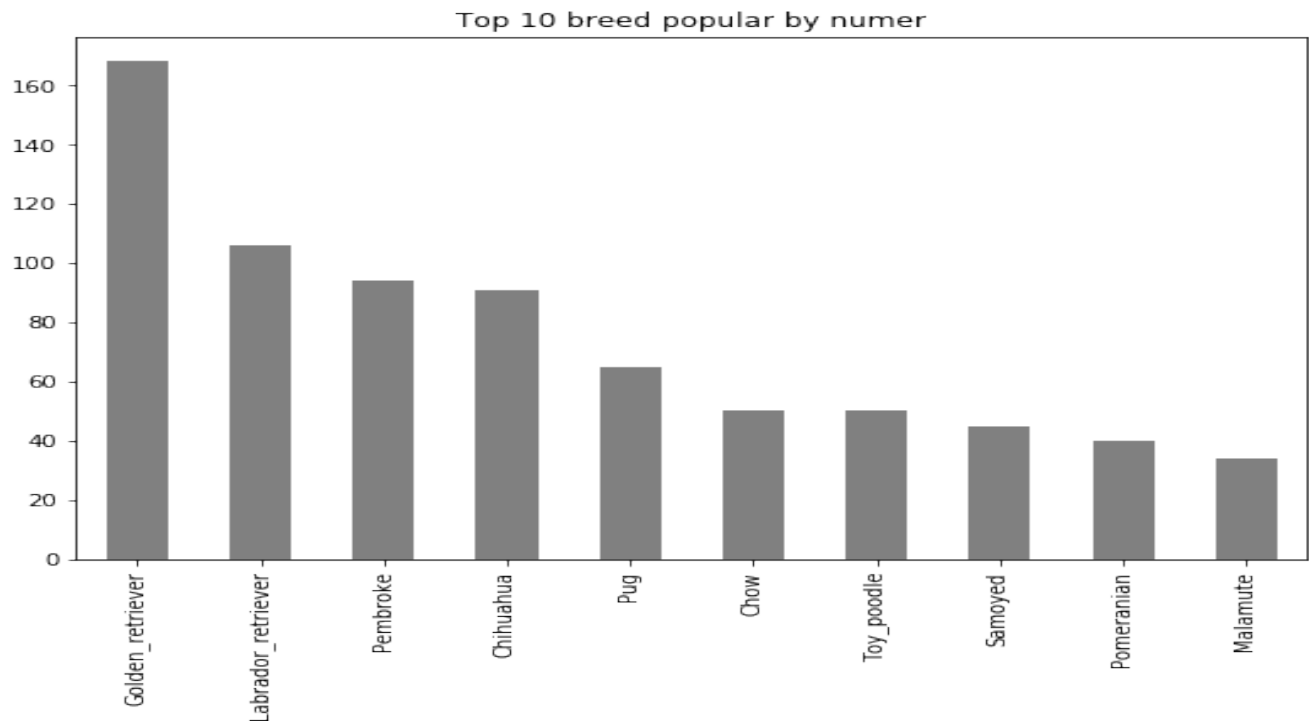
A strong positive linear relation is logical. This is similar to Like and Share on Facebook.

2. What the age of tweet and favorite count look like?



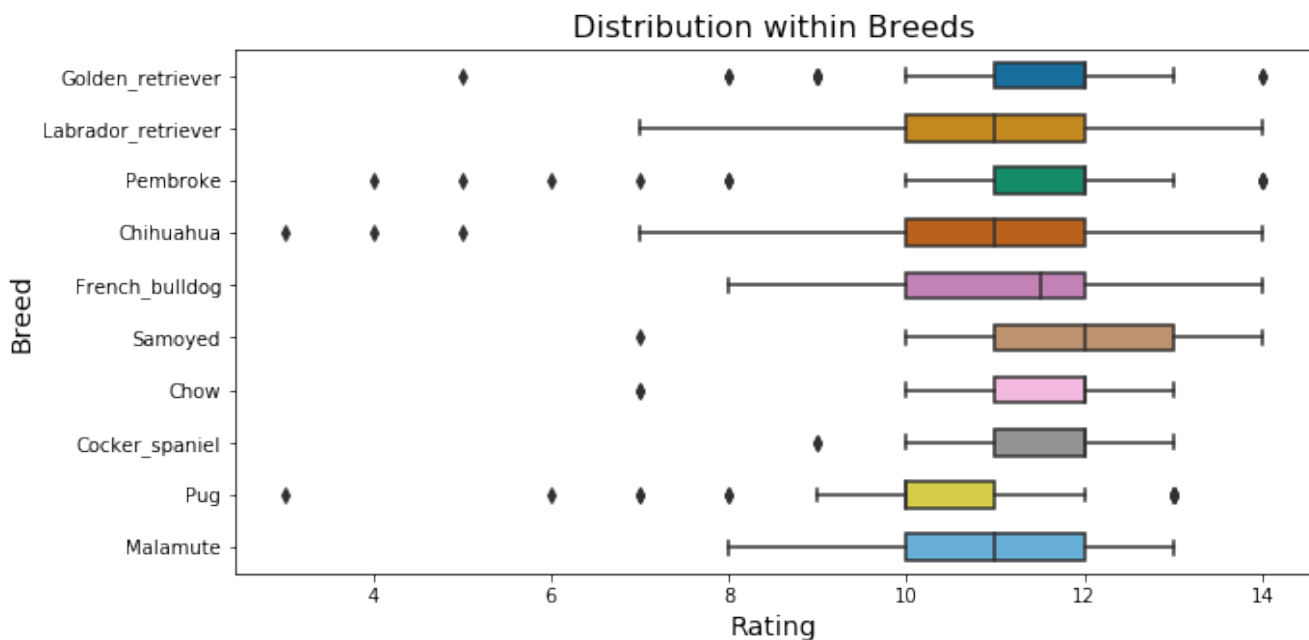
An older tweets are not necessary leading to a higher favorite counts. In contrary, a recent tweet has more favorite count. This suggests the popularity of the WeRateDogs and the increasing number of followers primarily contributed to the favorite counts.

3. What is the popular dog breeds in WeRateDogs?



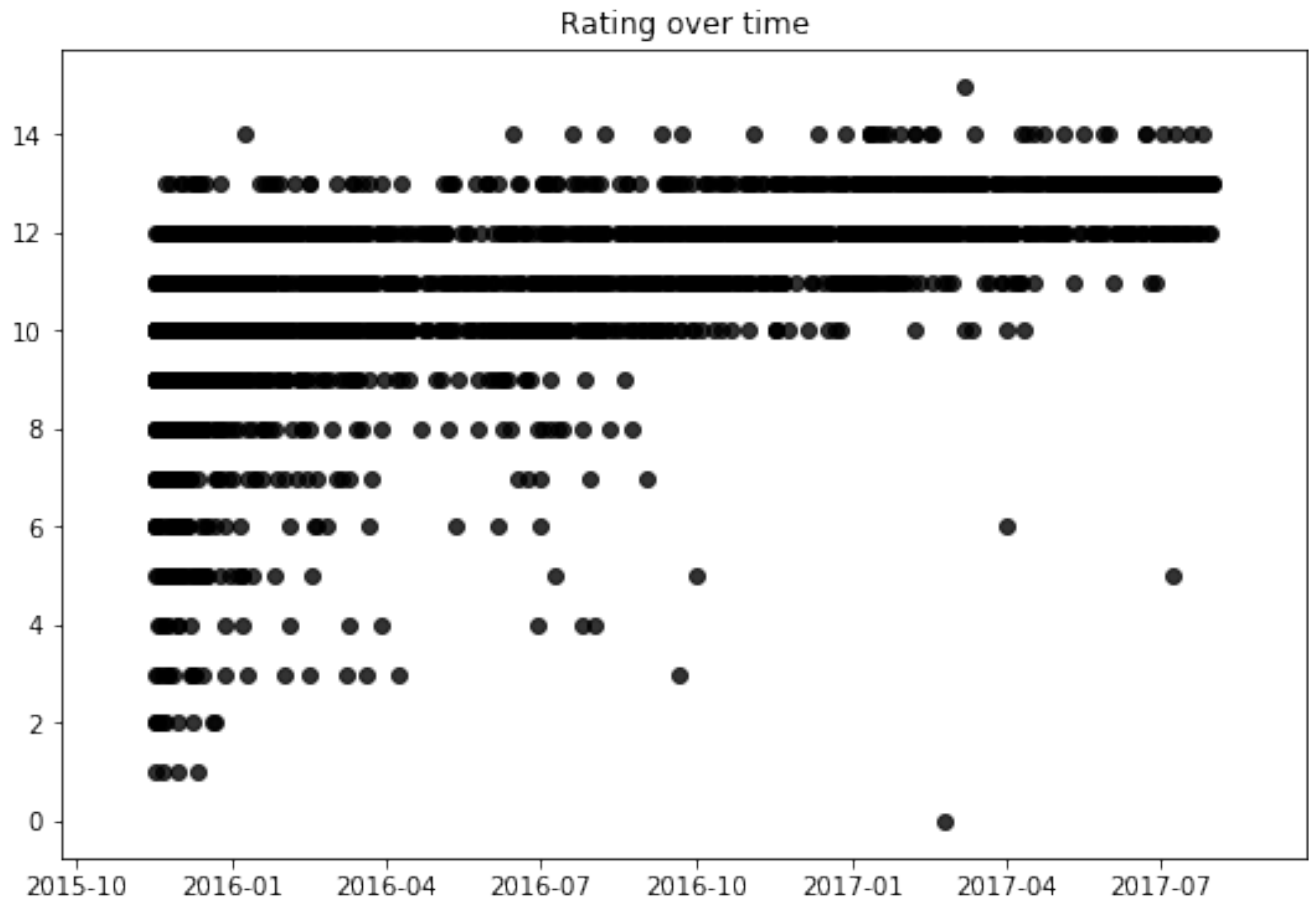
Golden and Labrador retrievers are the top two popular breeds posted to WeRateDogs.

4. What is the popular breeds with the highest scores?



To be more representative, only a breed with more than 11 individuals are considered for comparison.

5. How the rating changed over time?



A more recent has more higher score. This could mean the quality of the dog photos is better.