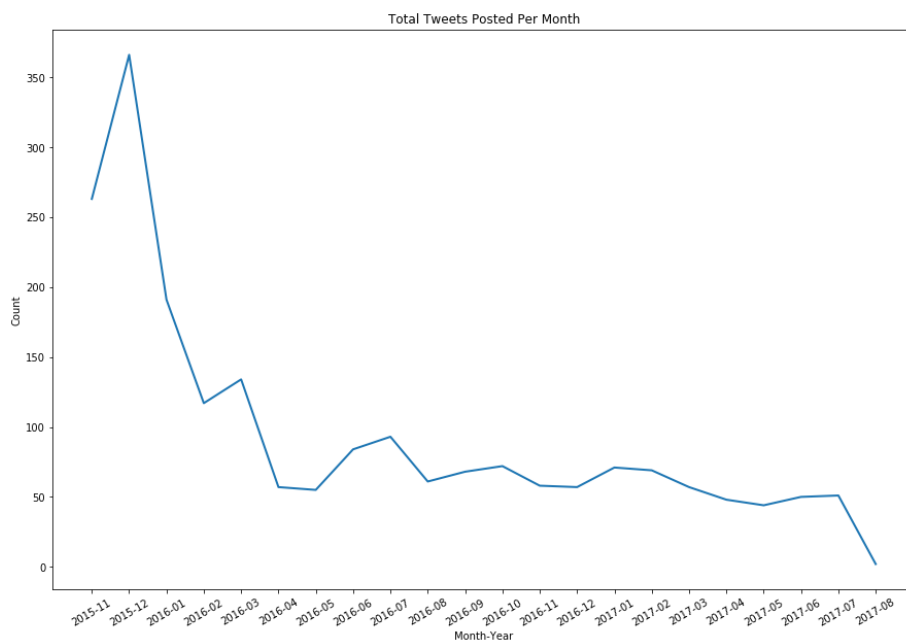


Data Analysis and Visualization

To have a better understanding of our human's best friend dog, we wrangled the data from the Twitter user WeRateDogs and documented the process in the last wrangle report. And this act report will present you some insights through data analysis and visualization.

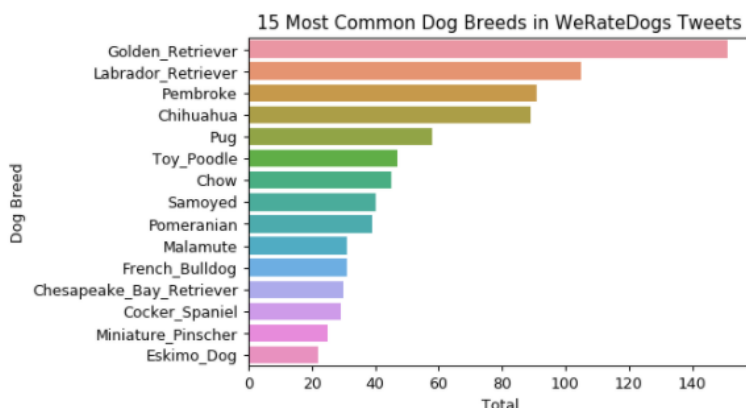
Twitter User

First, we briefly analyze the overall posting activity of this twitter user WeRateDogs. From the plot we notice that there is a sharp increase between end of 2015 and early 2016. After that, the activity level remained steady and started to decline starting end of 2017. This sharp increase may be related to a celebrated exchange in which the account shut down a person taking issue with the rating system. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because ["they're good dogs Brent."](#) WeRateDogs has over 4 million followers and has received international media coverage.



Most Common Dog Breed

Through using the image prediction of the pictures, I was able to identify the most common dog breed. Golden Retriever stands out! The most common dog is golden retriever with about 140 ratings.



Top Rated Dogs

How about the top rated dogs? What breeds are they? Since the denominators and numerators are not consistent among the ratings. I calculated the ratings by dividing the numerator by the denominator, and selected the top 10 ratings by dog breed. This is one of the [tweets](#) talking about the winner black and tan coonhound. How impactful a pupper could be!

