

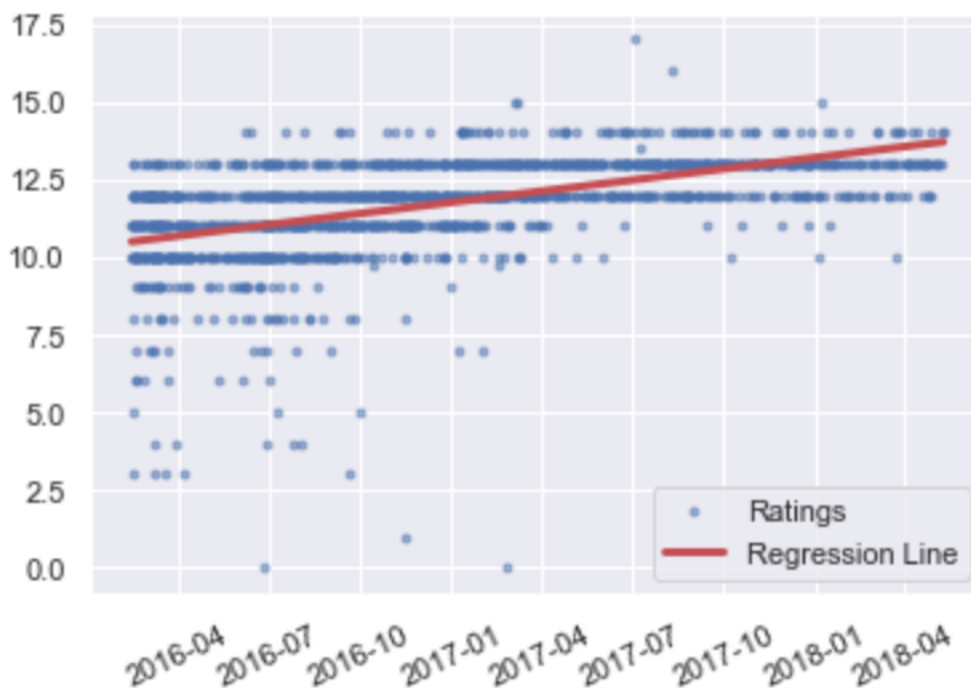
According to our analysis of the Twitter account [WeRateDogs](#), the rating for American dogs has significantly increased throughout the years. This is the data science analysis we have conducted on a twitter page where people send a picture of their dog and the pictures gets analyzed by the account owner who gives them a rating out of 10. It is interesting that most dogs end up with a score more than 10. The reason is stated by the author as “They get the score they deserve because they are good dogs”. There are a total of 1568 ratings with an average of 11.68 and median of 12.

## Methodology:

The tweets were collected using a Twitter API. We filtered the tweets to those that contain an n/10 rating to extract the numeric rating. A few outliers were removed. Dates were transformed to timestamp so they can be plotted more conveniently. Finally, a scatter plot of data vs rating and the linear regression line were plotted.

## The rating for dogs has been significantly increasing!

Here is a plot which shows the average rating of the dogs over the years. As you can see, the red line is a linear regression on the average ratings over the years. It indicates that every month from April 2016 to 2018, the ratings have been steadily increasing.



## The number of less than average dogs has been decreasing!

Not only the average rating for the dogs has been increasing, the number of dogs who received a score of less than 10/10 has been decreasing. Fewer and fewer dogs are getting low marks as it is demonstrated in the figure. After February 2017, no dog has received a score of less than 10.

