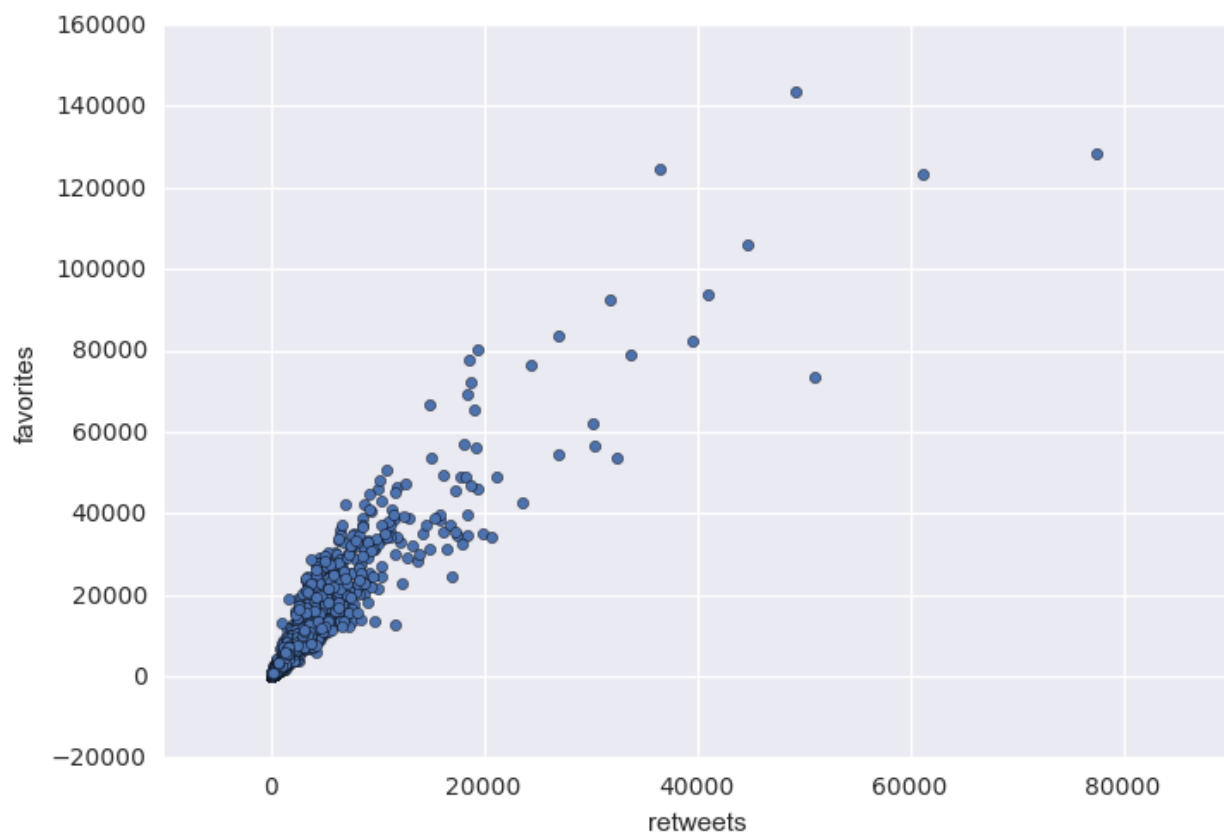


### Act report

I found a number of insights while analyzing and visualizing the WeRateDogs data. It's always interesting to see when a visualization shows a trend that wasn't possible to see with numbers alone. This was the case when looking at the relationship between favorites and retweets. I have not had a Twitter before, so I wasn't sure what either term meant, but figured it out eventually. Looking at summary statistics for both, we can see that people favorite a lot more than they retweet, but the relationship between the two isn't clear. However, after plotting the two there are a couple insights revealed. There is a strong (over .9) positive correlation between them, so as one is increasing so is the other. Another insight the plot revealed is that both variables are highly skewed to the right, with only around 25 observations falling outside the majority of the data. The plot is included below:



Another interesting visualization was comparing the retweets of tweets of dogs vs. non-dogs. The distributions were about the same, and people tended to retweet dogs much more than non-dogs. I was surprised to see a handful of observations for non-dogs falling above 10,000 retweets. Part of the humor of this Twitter account must be that when a non-dog picture is submitted, it gets the same critique as a dog's picture would.

The third visualization I did illustrated the confidence of the image predictor. Running summary statistics showed a mean and median confidence level of around 60%. When visualizing the data we could see

that the highest interval of observations were between 90-100%, indicating a higher accuracy than the summary statistics.