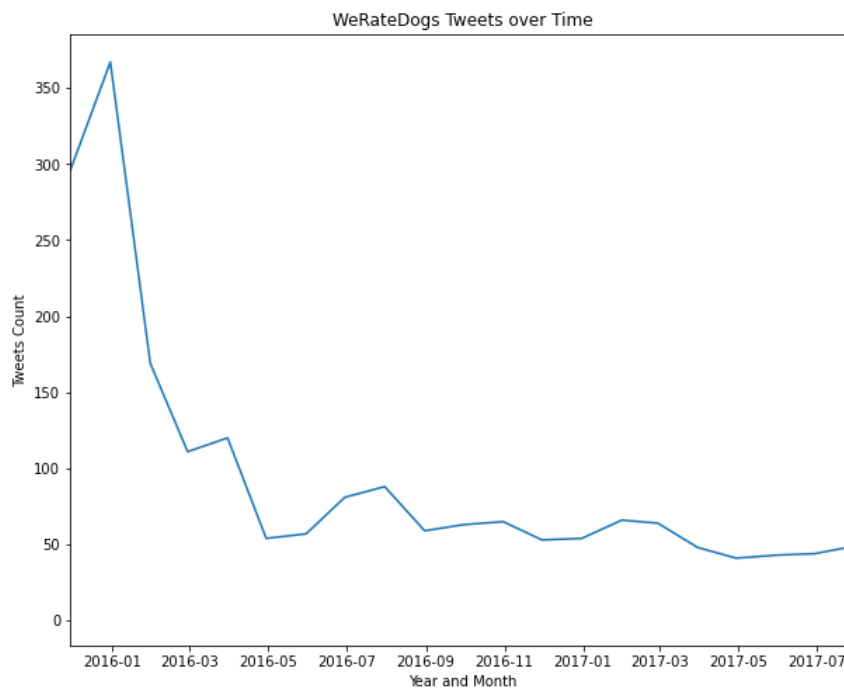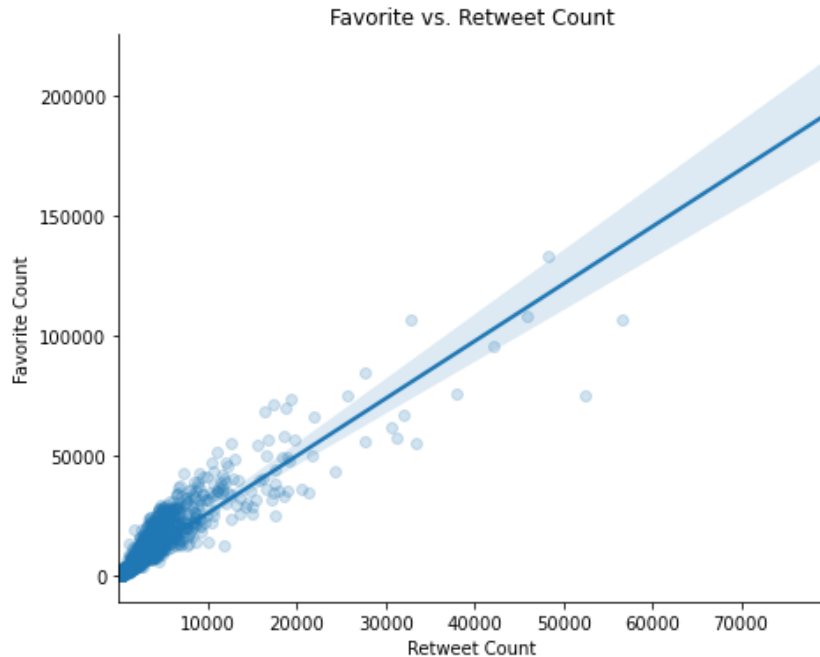# Act Report

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The dataset that I wrangled (and analyzed and visualized) was the tweet archive of Twitter user @dog_rates, also known as WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dogs. After accessing the data with various cleaning process, here are few visualizations I created for this dataset.

1. **Visualizing the total number of tweets over time to see whether that number increases, or decreases, over time.**
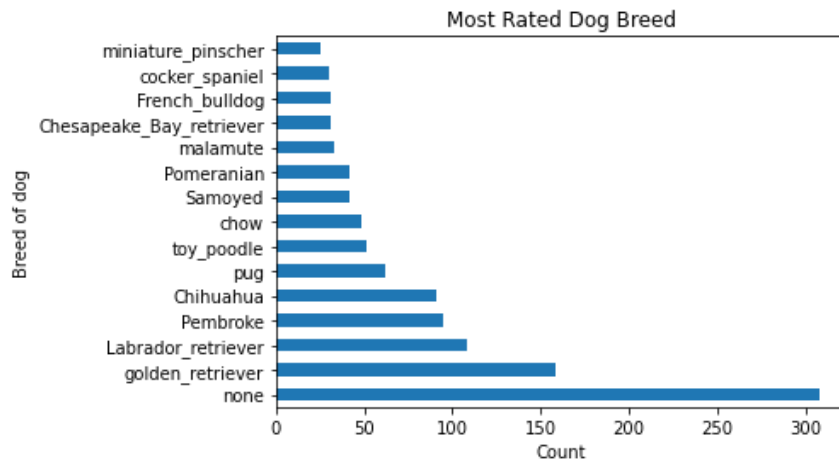

Over the time of Twitter data collected for this project, tweets decreased dramatically since beginning of 2016. And it does not have corresponding dataset to find the reason behind it. Therefore, the owner of the WeRateDogs Twitter account should be aware of this trend. However, since we do not have the updated dataset after July 2017, we cannot make any prediction of the trend in the future.

2. **Visualizing the retweet counts, and favorite counts comparison over time.**
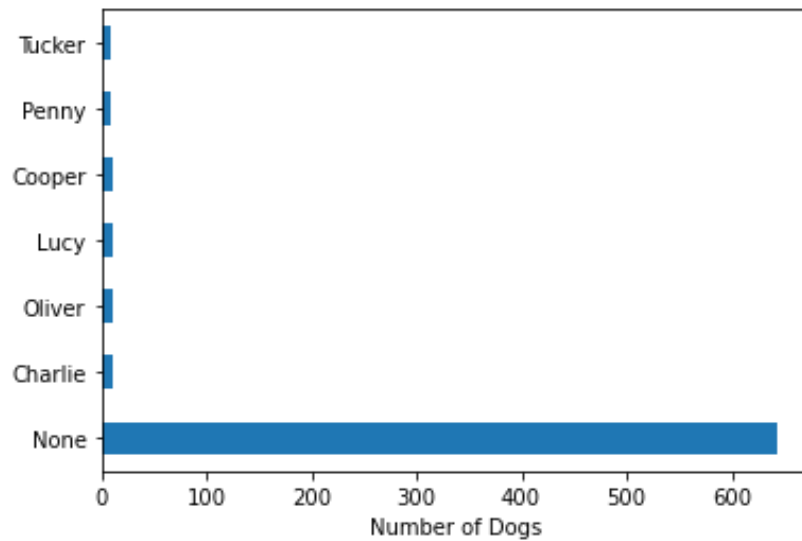
Favorite vs. Retweet Count

Retweet count and favorite count has a significant positive correlation between each other. All tweets have favorite count are much higher than retweet count.

3. Visualizing the most rated dog breed

Most Rated Dog Breed

The major prediction seen is of golden retriever, despite the "none" has the highest count. Then following are Labrador retriever, Pembroke, Chihuahua, Pug, Toy Poodle, etc. It is mixt of small and big dogs. The page owner could use this information to create targeted marketing efforts for certain breeds that aren't as popular to increase their popularity; meanwhile, utilize the breeds that are proven to be popular to drive user traffic to the page.

4. Visualizing the most popular dog names

From the graph, we could not identify which dog name is most popular, most tweets with dogs do not include names as well.

In general, the above graphs provide a straightforward look. There is so much more that can be done with this data set, and I highly recommend data analyst to further explore this dataset different perspective.