

# Wrangle and Analyze data/ act\_report

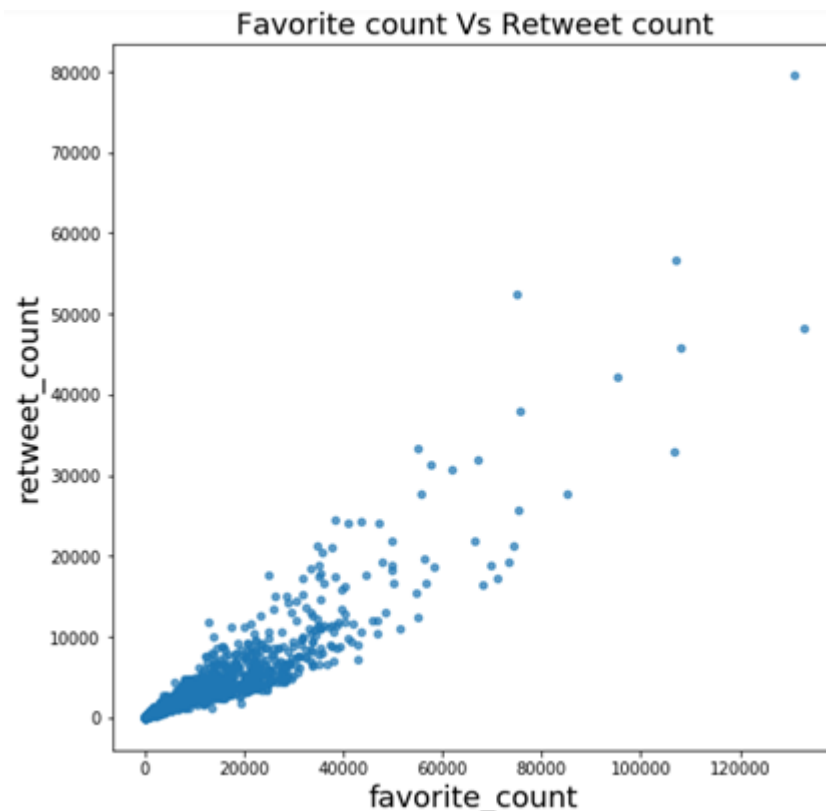
## WeRateDogs

WeRateDogs is a twitter accounts that tweets the pictures of dogs with their descriptions and associated ratings. It was created in November 2015, and has gained international media coverage for its popularity with more than seven millions followers.

## About Data

To analyze the tweets from WeRateDogs, we have used three different dataset. The first dataset is twitter archive enhances which was provided by Udacity. The second dataset is twitter API from which we need to retrieve more information about tweets. The third dataset is image prediction which provides the detail information about dog breeds and was downloaded programmatically. These three dataset is combined and we have the final data set of 2117 tweets from we rate dogs. These tweets were from before August 2017. This report provides some of the visualization produced from the data. Here we have analyze the distribution of retweets and favorites, relationship between retweets and favorites.

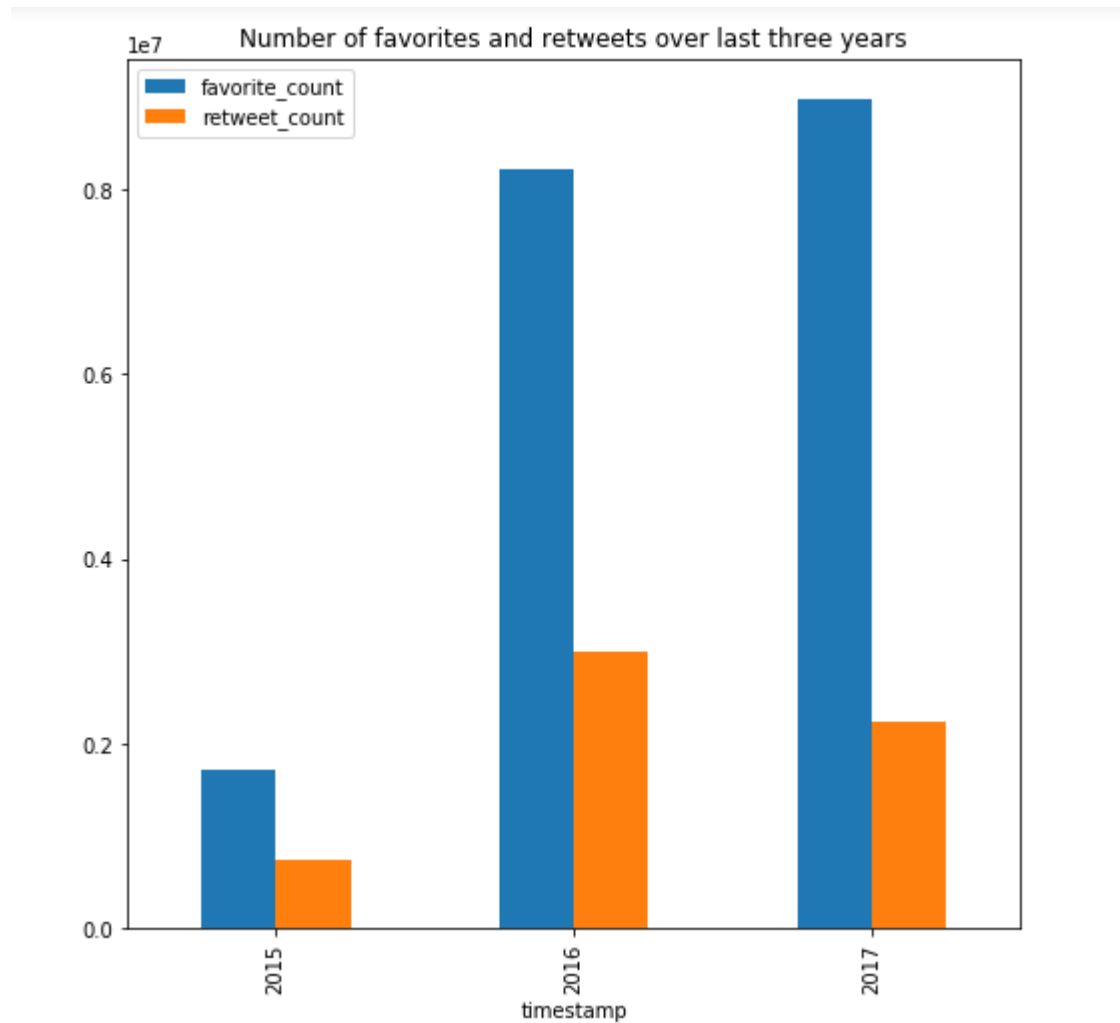
## Favorite count Vs Retweet count



A scatter plot is used to show the relationship between two variables favorite\_count and retweet\_count. From the above scatter plot we can see that there is a strong positive correlation

between two variables. As the favorite count increases, there is a increase in retweet count.

## Favorite and retweets over last three years



The above graph shows the number of favorites and retweets over last three years. Here from the graph we can see the number of favorite count increases each year. But on the other hand, retweet count increases in the year 2016 and decreases in the year 2017.

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