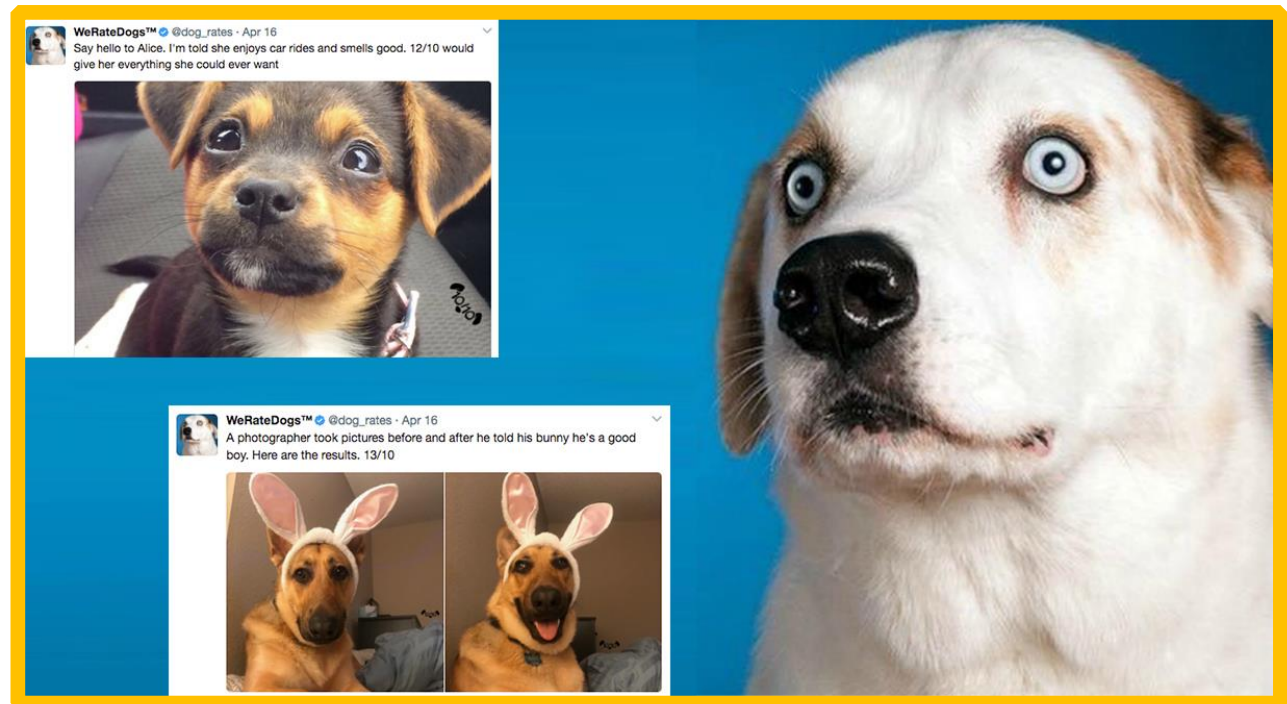


# WeRateDogs Twitter Archive - Act Report

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## Wrangling WeRateDogs Data Brief:

By using three different sources of WeRateDogs twitter archive data (basic enhanced archive, predictions, and streamed json), we assessed these data visually and programmatically for identifying quality and tidiness issues by then, we cleaned all of these issues and finally stored the cleaned data. After that we performed some analyses for the cleaned data and we get some insights and visualization.

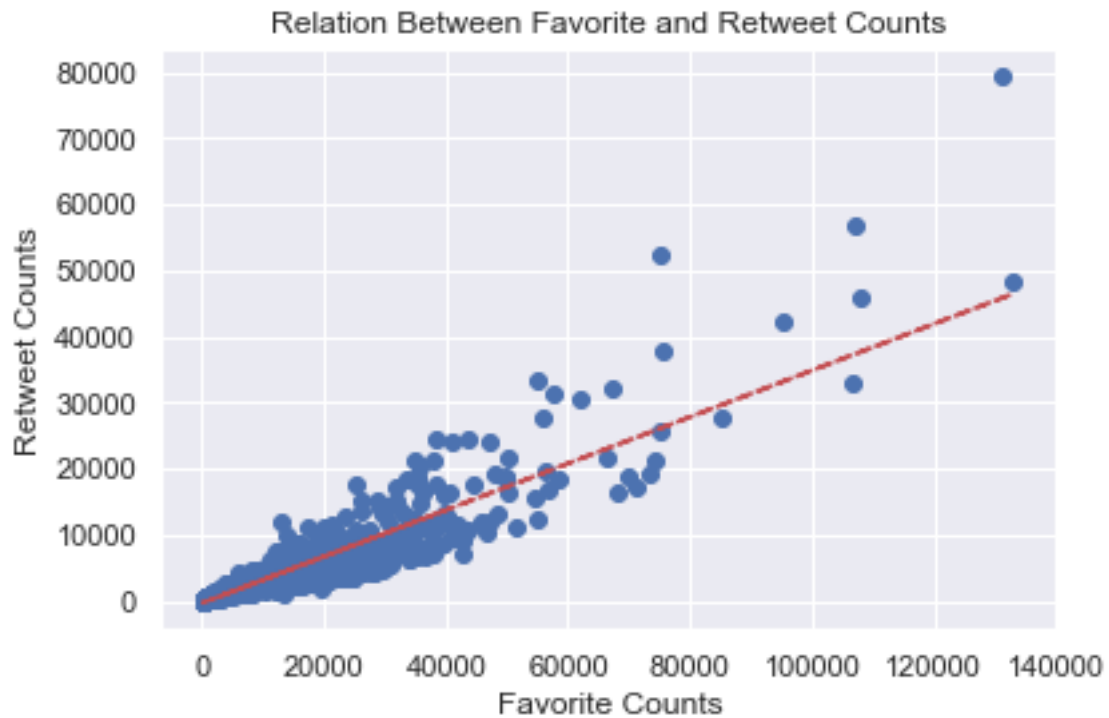
## Insights:

### 1- Tweets favorite counts are absolutely greater than retweet counts:

One of the simplest insights proven using our data that all tweets have a higher favorite counts more than retweet counts. That insight is reasonable to twitter nature. I mean that liking a tweet is more preferable, easier, and user friendly than retweeting such tweet.

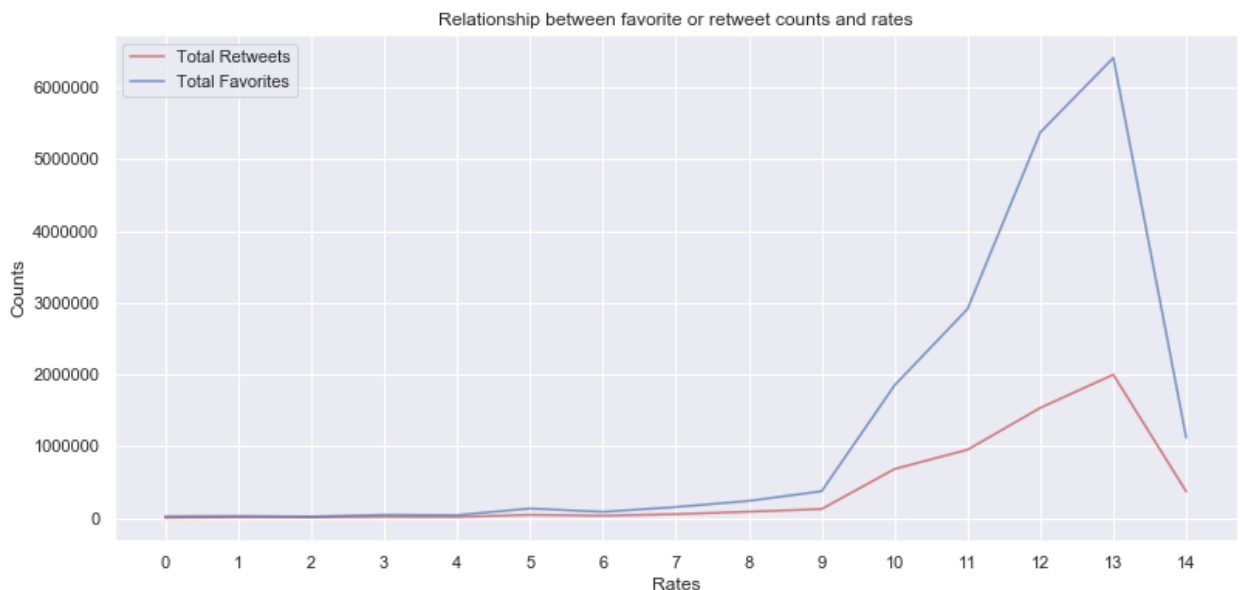
### 2- Relationship between retweet counts and favorite counts for a tweet:

There is a positive strong relationship between favorite counts and retweet counts where for any tweet as favorite counts increase, retweet counts increase too and vice versa.



### 3- Higher ratings mean higher both retweets and favorite counts:

In fact, a tweet of a high rated dog gets high retweets and favorites. The following plot shows that as rating increases both retweets and favorites consequently increase too except for the extreme rating value of 14 because dogs with this extreme rate are not popular much more.



## Visualization:

### Distribution of Ratings:

The histogram below shows that 25% of tweets have a rating below 10 and 25% of tweets have a rating above 12. This left skewed shape indicates that dogs with high rating have much chance to be tweeted than dogs with weak ratings.

