Twitter account, WeRateDogs™ ™ (@dog_rates) is the focal point in Udacity's Wrangle and Analyze Data project. This resulted in lots of warm moments spent adoring images/videos that popped up on this account's feed and chuckling at the posts accompanying them. The data displayed here consist of original tweets with timelines shown in the graphs.

While I was fighting hard to concentrate (…*the mere sight of a dog in any media (stills, videos) excites me*) on the task on hand, I managed to produce several insights on WeRateDogs™ and visualizations to go with them. On hindsight, I probably went overboard having 13 of them. Here are my top seven picks for your viewing:

Let's start off with the rating frequently given in WeRateDogs™ ™'s tweets. Now, this account holds an uncharacteristic rating system. *Who needs normal anyway?* The rating usually starts with a 10. However there are some posts that received ratings less or more than 10, or even in decimals. To show no discrimination, they have been included here. None of them could beat 12, as it proved to be a popular rating with more than 400 posts.
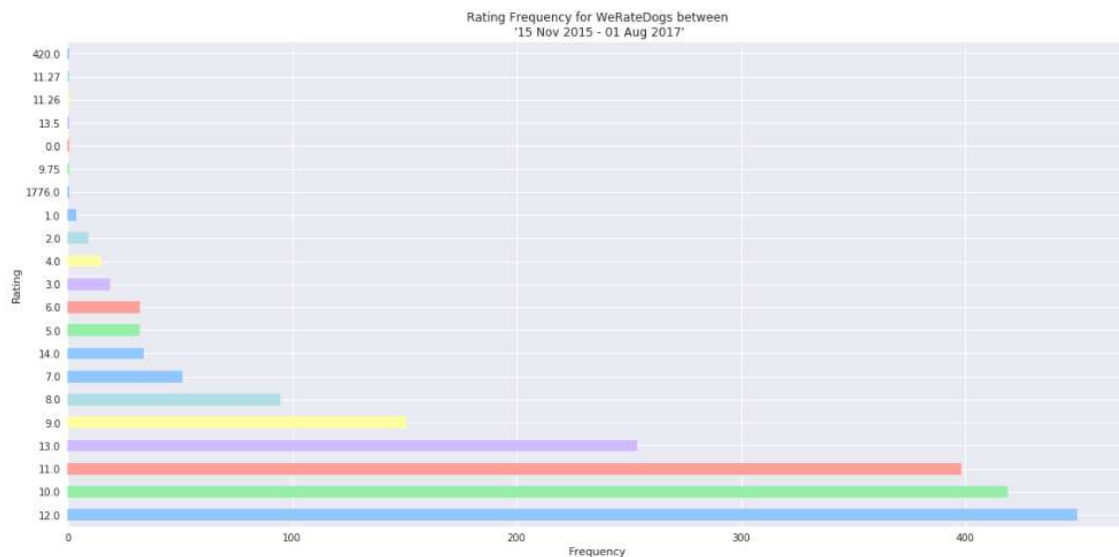
Now, we look at WeRateDogs™ twitter activity using a line chart that depicts its tweeting trend. Looks like WeRateDogs™ started off on a 'high note' in November that continues into December 2015. Soon after, there was a change in direction and the tweet frequency for this account's started decreasing entering into 2016. In 2016, WeRateDogs™ tweeted consistently with minor ups and downs that follow through to 2017.
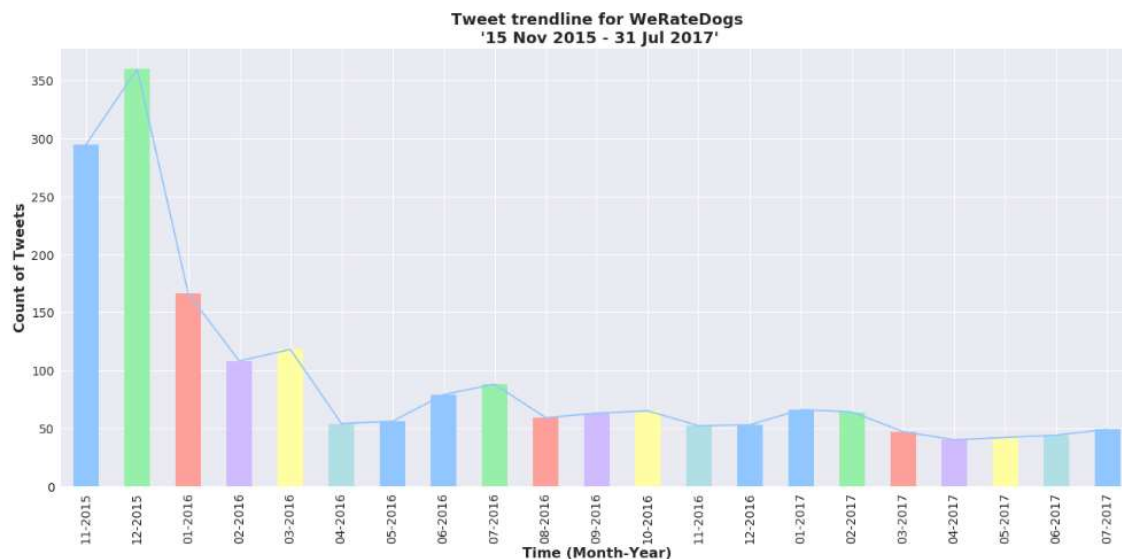
Retweets and Favorites play an integral role in a Twitter account. The general idea is that when there is a high level activity consisting of retweets and favorites (likes), it can be assumed that the particular tweet is popular as it is reaching out to a higher number of audience in Twitter realm. Do Retweets and Favorites have a relationship between them though? For WeRateDogs™, yes they do. There is a positive correlation between Retweets and Favorites as the scatter graph below shows.
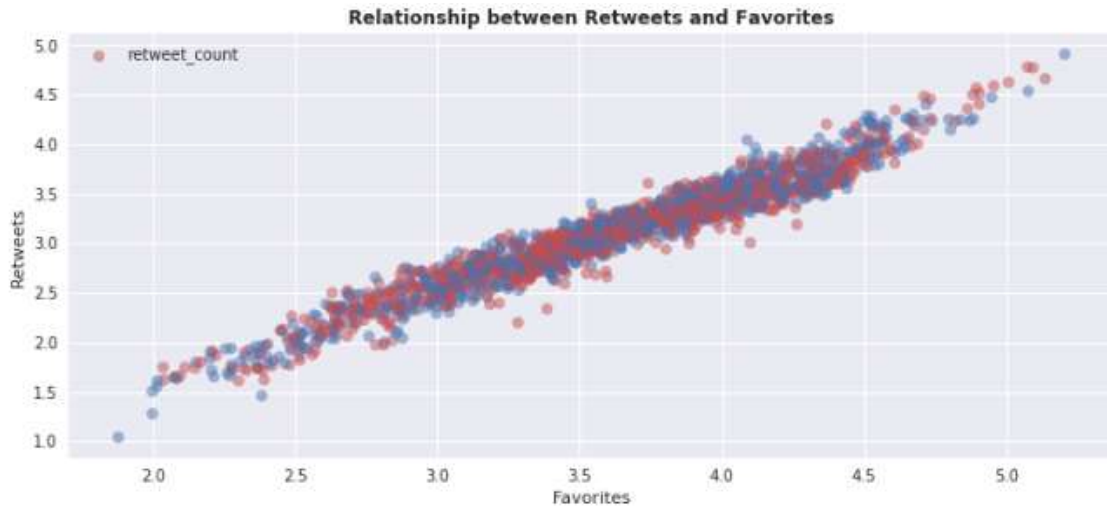

For the following two insights, a logarithmic scale have been applied to 'normalize' both retweets and favorites. This allowed data for both variables to be easily interpreted.

Finding a trend for Retweets and Favorites, against Rating did not return any interesting conclusion except for a confirmation that a tweet with a higher rating does not account for a higher count in retweets and favorites.
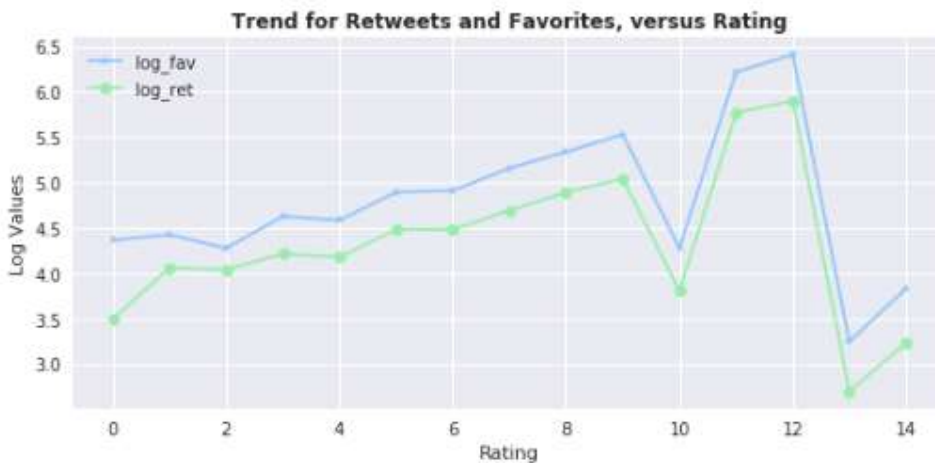
Meanwhile, the trend over time been for retweets and favorites shows that they are growing. Looks like people are more generous with retweets and favorites at year end. Most likely due to the festive period when most people feel warm and merry. Not sure what happened in April 2016 though, as both activities sunk at their worst.
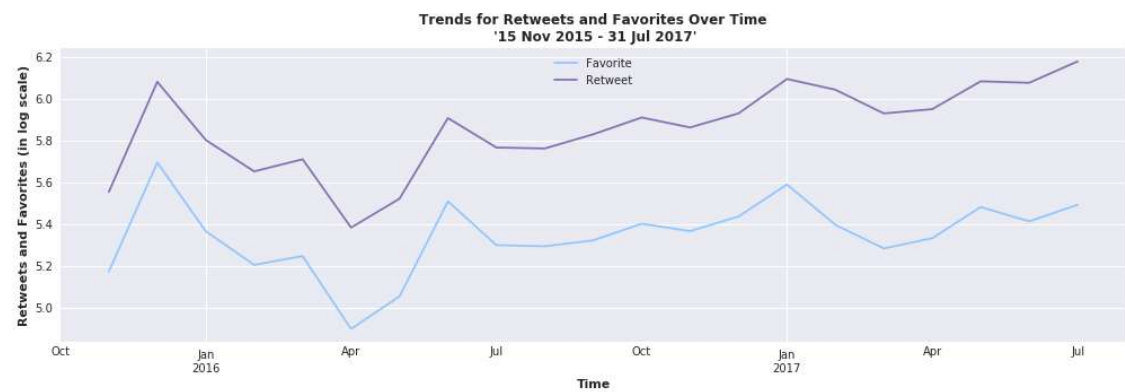
Saving the best for last, here is a galore of pictures for you to drool over for. The last insight and pretty visualizations for your viewing pleasure depict them dogs that made the Top 5 Favorites and Retweets lists. Notice that most of them are repeats *(Double the Joy…)*
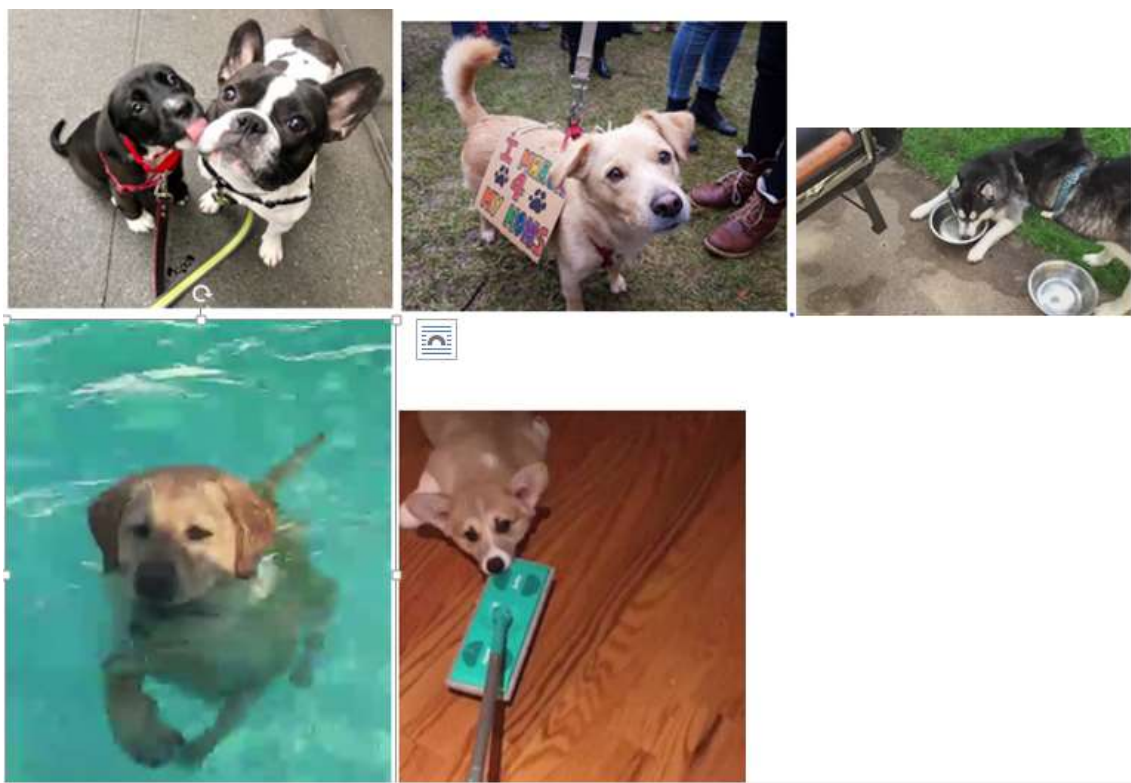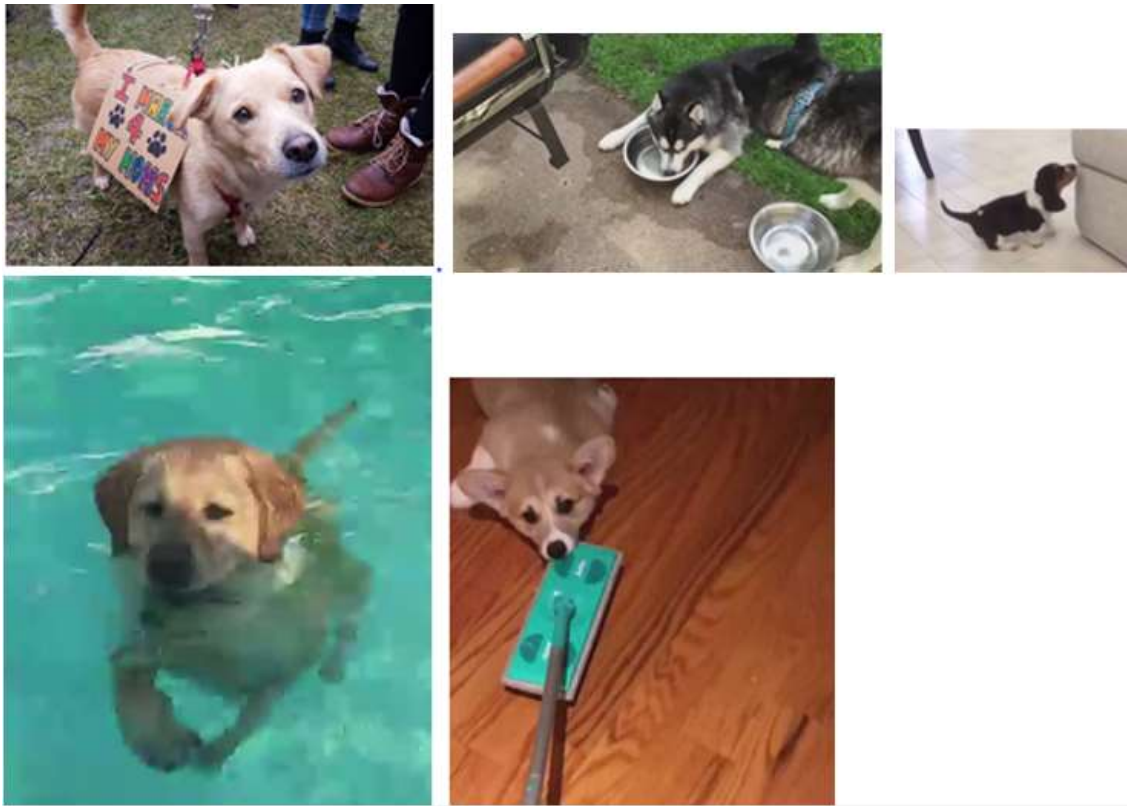

Figure 1: Top 5 Favorites

Figure 2: Top 5 Retweets

In a nutshell, this project has been immensely fun to work on. I have garnered knowledge on data visualization libraries and their features, and be able to apply them here in this project.