## Introduction

This analysis of tweets from the WeRateDogs Twitter account revolved around the trend in popularity over time for the account, based off the number of retweets and favorites, and analysis of the rating scores over time.

Analysis

From the time series data of favorites and retweets, we can see that both categories have a trend of positively increasing over time, presumably as the account gained more popularity in the Twitter universe. The increase in favorites is more noticeable compared to retweets as there are several large outliers which are probably tweets that went viral.
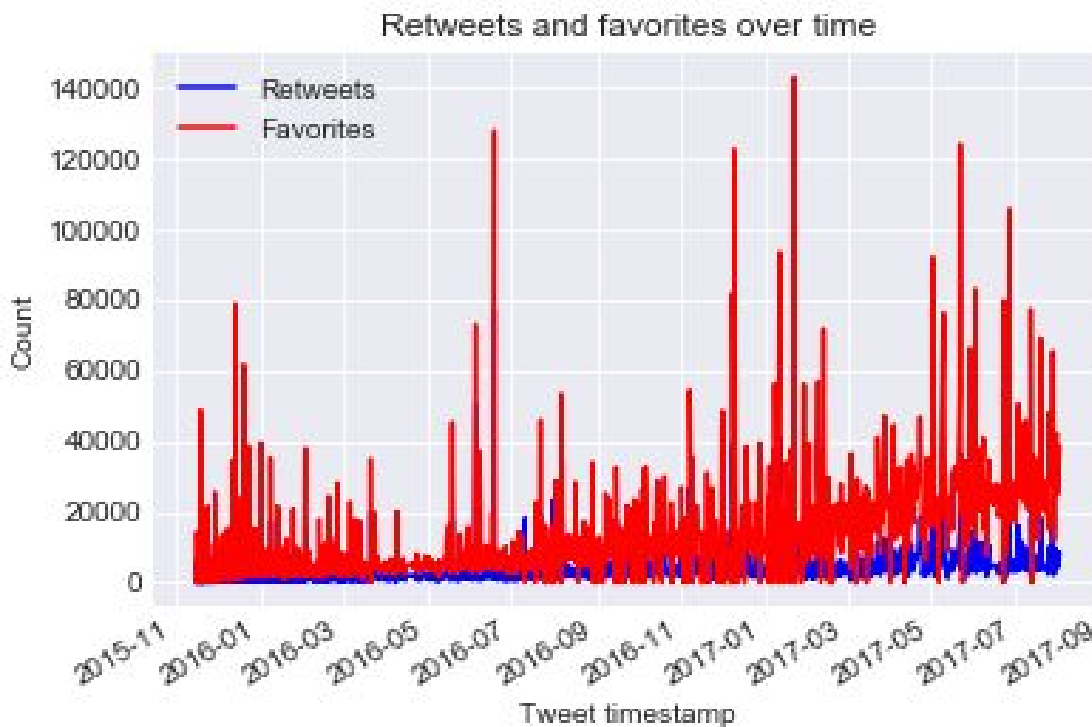
The dog ratings should all be out of 10, however, as we have seen through our analysis, there are a fair amount of ratings that use a scale other than 10. To normalize the ratings, I created a new column that contains the ratio of the rating numerator divided by the denominator. When we plot this without factoring out the extreme outliers, we get a skewed graph as seen below.
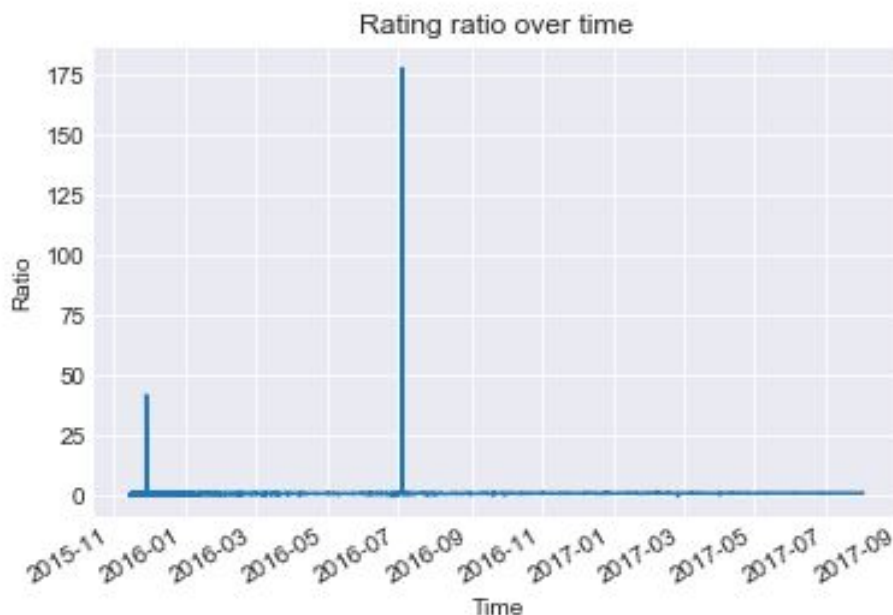
If we look at the 2 extreme outliers, we can see that the ratings were written that way as part of a joke.

If we narrow down our view for the y-axis to ignore the outliers, we can get a better view of the trend of the rating ratio.
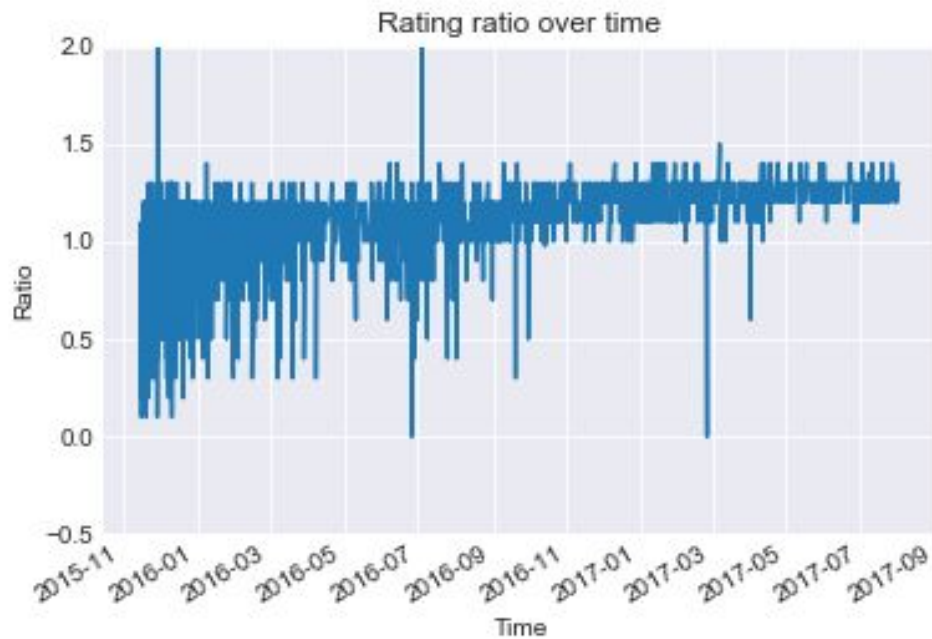
In this plot we can see that in the beginning of the time when the account was made, dogs received lower scores in general, mostly between 5~10 out of 10. Over time, the scores trended towards higher than a 1:1 ratio with far fewer outliers below 1.