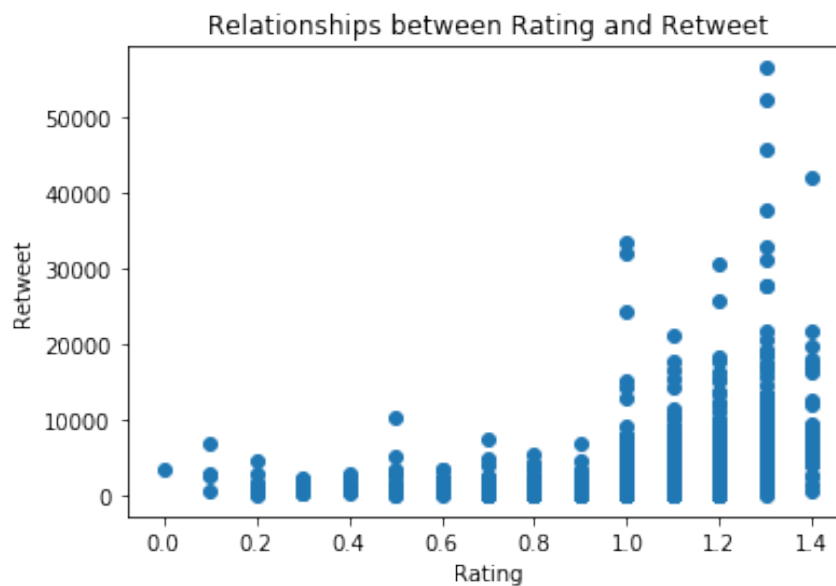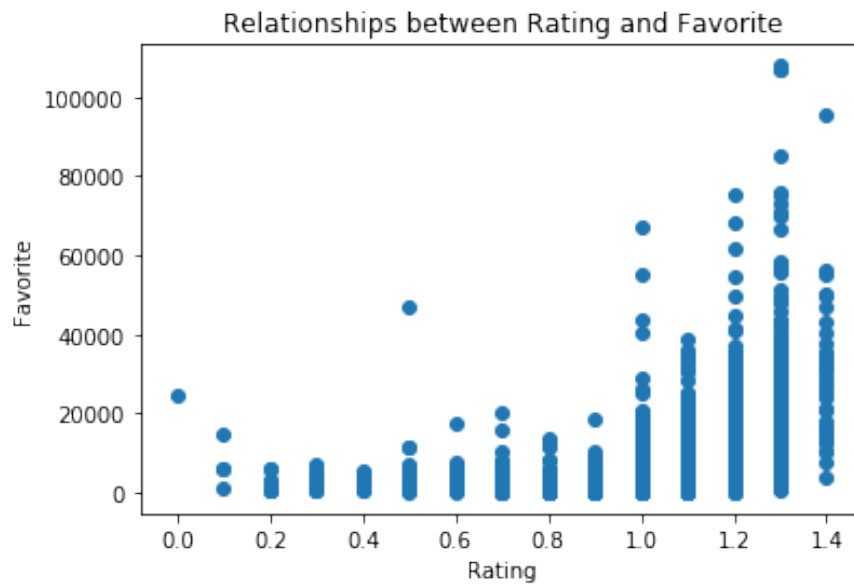# Act Report

With the clean dataset, I did some analyses to explore the relationship between rating and favorite/retweet counts, top 15 dog breeds' favorite/retweet counts and the relationship between time and tweet counts.
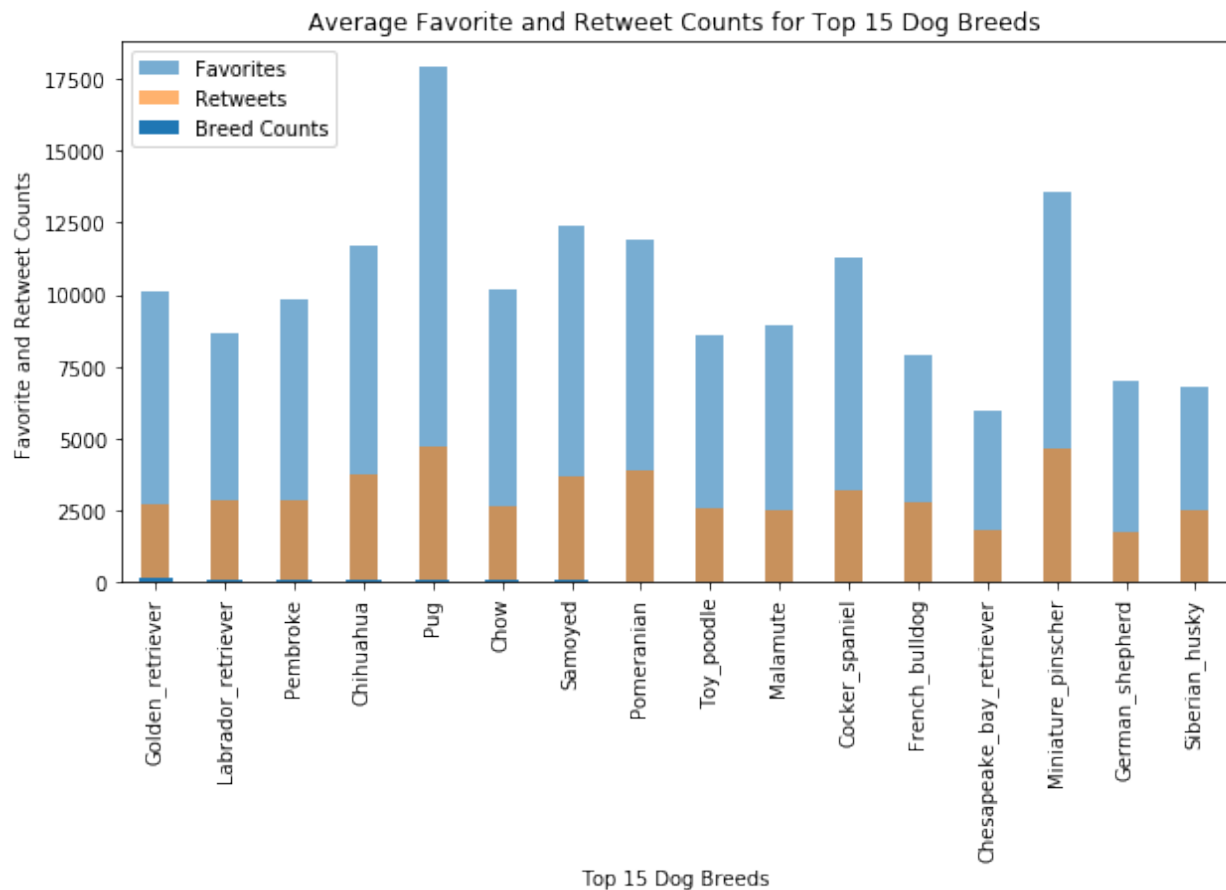
Ratings VS Favorites & Retweets
From the two scatter plots below, we can clearly see that in general, tweets with higher ratings tend to have more favorites and retweets. It shows that the ratings are representative of people's thoughts towards dogs to some extent. Also, people tend to use the favorite function rather than using retweet.

Favorites and Retweets of Top 15 Dog Breeds
The top 15 dog breeds on x axis is in a descending order based on each breed's tweet count. The tweet count for each breed is quite small comparing with the favorite and retweet counts, so it's just used for ordering the x labels. From the figure, the breeds that have more tweets don't necessarily have more favorites and retweets; the breeds that have more favorites/retweets tend to have more retweets/favorites as well; Pug and Miniature Pinscher have more favorites and retweets than other dog breeds, which suggests that they are very popular dog breeds for many people.

Time and Tweet Counts
The figure below shows the tweet counts from 2015.11 to 2017.08. It's clear that in the first two months after they start the account (2015.11), the everyday tweets count is about 15-20, then it began to decrease and maintained a stable amount in the next two years. Maybe the operator of @dog_rates found that it's hard to post that many tweets every day after several months of operations, so the operator chose to reduce the tweet counts in order to assure the quality.

Date VS Tweet Counts