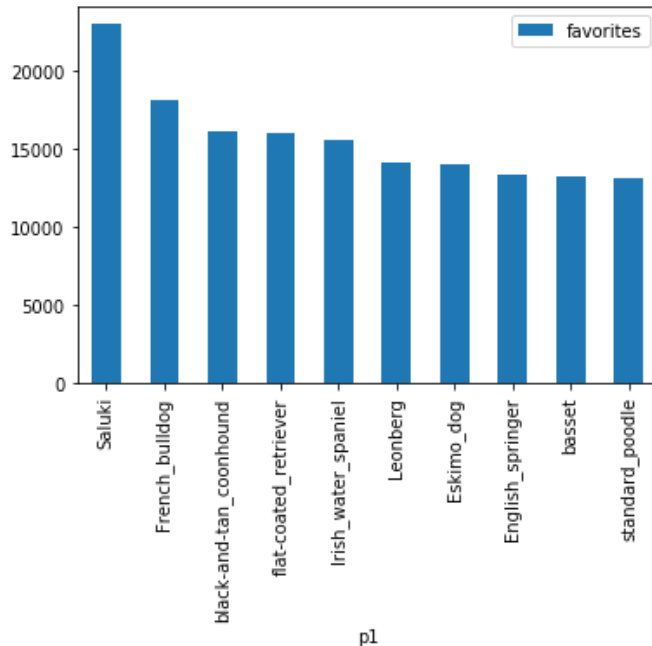


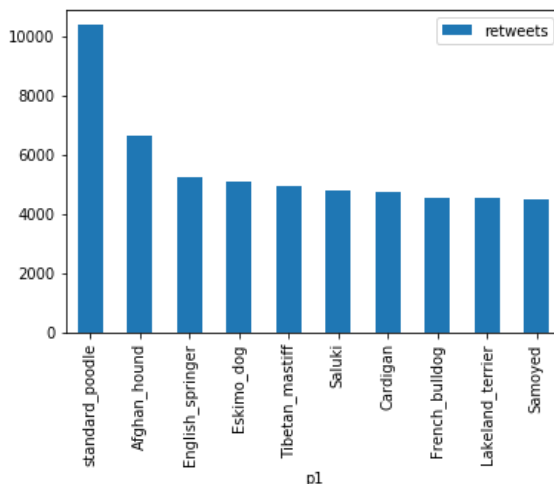
# Analysis of WeRateDogs Twitter

## 1. Types of dogs people like most



First of all, I use a bar plot to draw the top 10 dogs' breeds with the most favorites numbers. It shows that Saluki is the dog's breed that people like the most. Twitter's favorite button can help people store their desired picture.

## 2. Types of dogs people would like to share with others

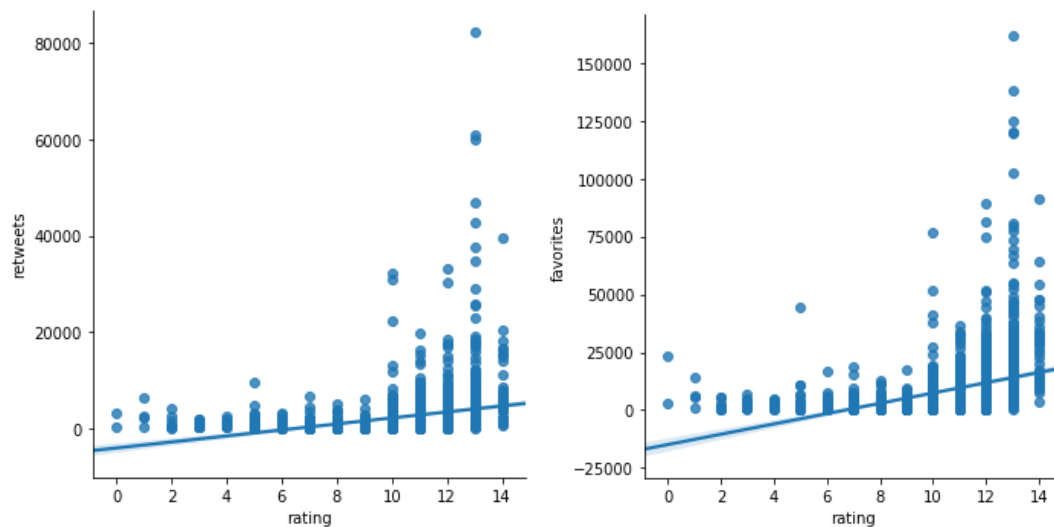


Then, I check the top 10 dogs' breeds, which got the most retweets numbers. It suggests that standard poodle, Afghan hound, and English springer got the

most retweets. The retweet function can spread the original pictures quickly. It seems like people would share the stand poodle pictures with their friends.

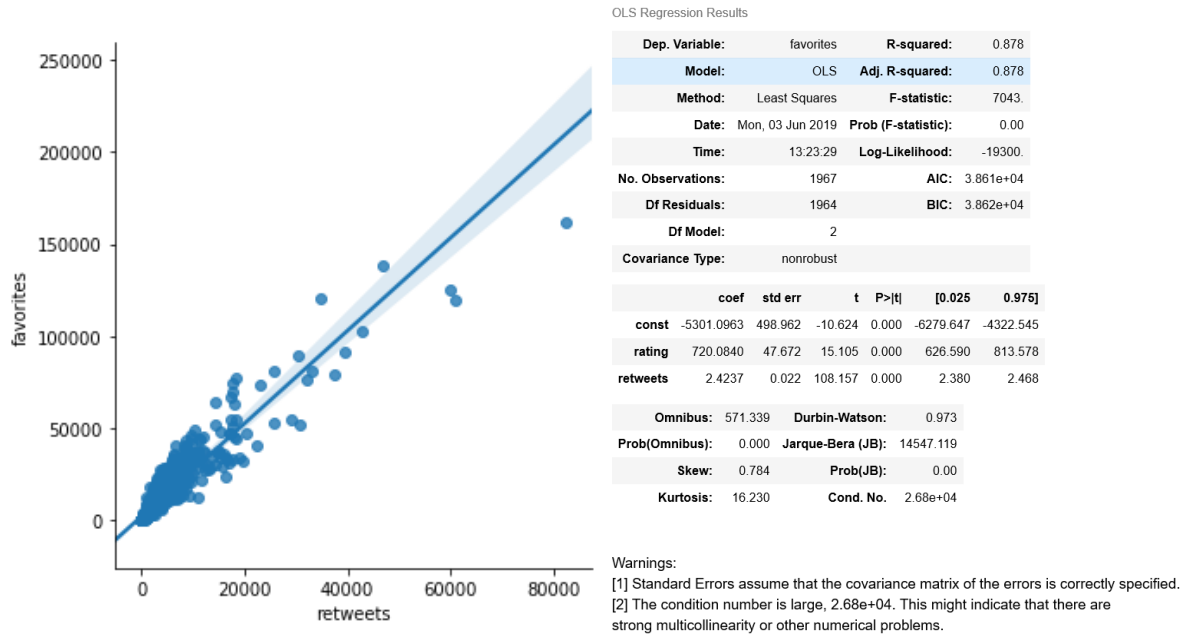
The reason that the most favorite dog's breed did not get the most retweets number could be that the Saluki is rare, and people prefer to share the well-known dogs' breed with their families.

### 3. The effect of rating on retweets numbers and favorites numbers



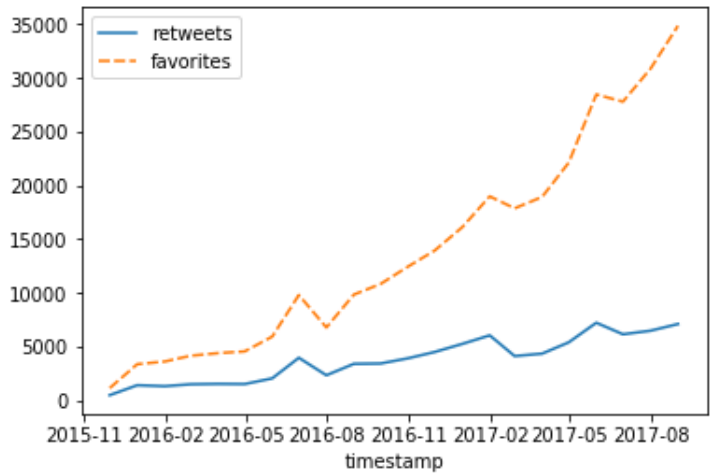
I use line and scatter plot from Seaborn to check the relationship between the rating from WeRateDogs tweet account and the retweets number. It shows a positive relationship that with the higher score, the pictures got more retweets. The relationship between rating and favorites numbers shows a similar trend. Moreover, pictures which got 13 out of 10 ratings would show the highest retweets and favorites numbers on average.

### 4. The relationship between retweets number and favorites number



I use the statistic model library to build a linear regression model. The model suggests that one unit of rating can increase 720 favorites number, and one retweet can increase two favorites.

### 5. The number of retweets and favorites throughout the time



Finally, I check the number of retweets and favorites number of WeRateDogs twitter account through the time. It shows that this accounts' favorites and retweets numbers keep increasing from 2015 to 2017.