# Act Report

The purpose of the project is to find out the most common dog breeds and how many favorite tweets they get. Base from the data I just analyze, I want to find if there any relation between the number of dogs with the number of favorite tweets they get. To answer purposes above I analyze the clean dataset that I store in the project. This step is done after I wrangle and clean my dataset.

1. I plot a bar chart to get the top 10 most common dog breed from the dataset
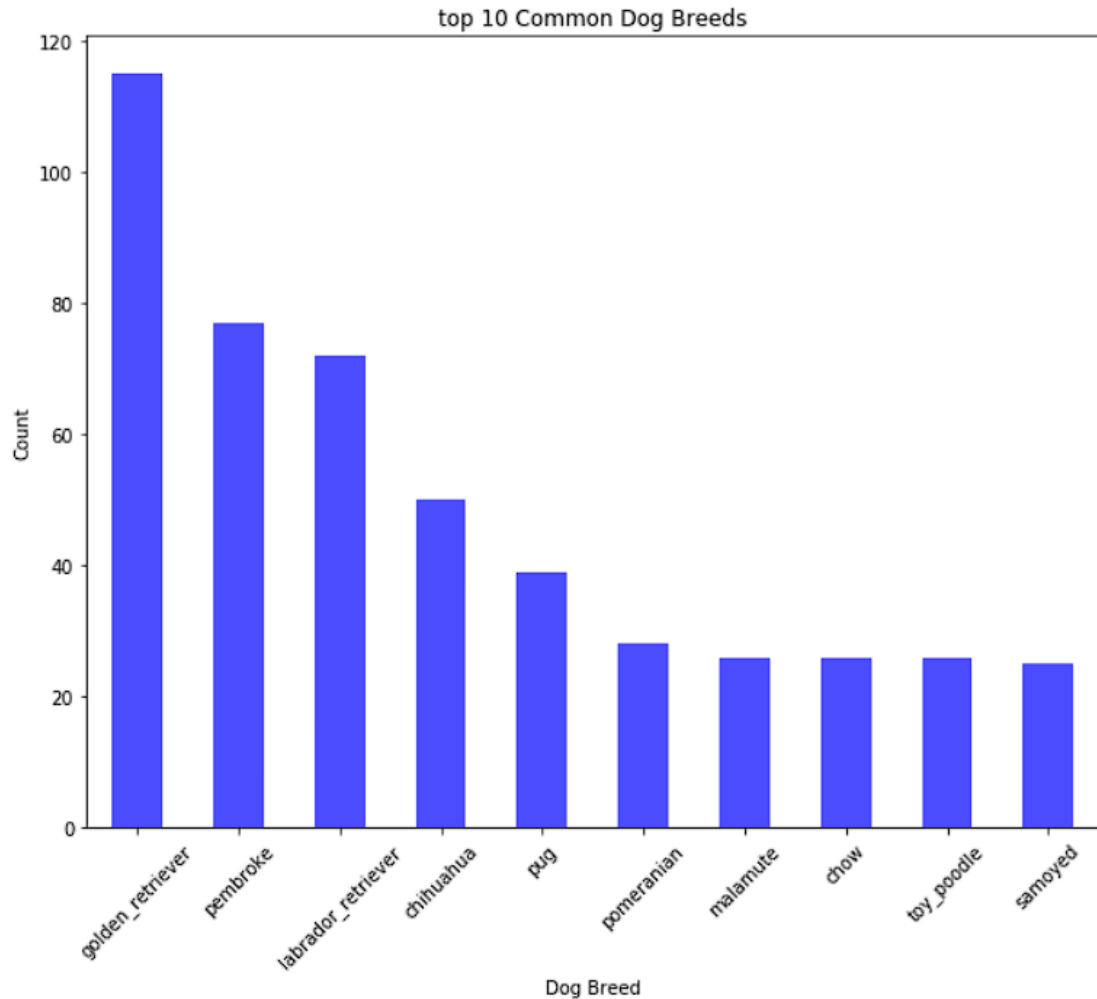

The golden retriever is the most common dog breed with 115 counts. Pembroke is second with 77 counts. Third common is Labrador retriever with 72 counts.

2. I plot a bar chart to get the top 10 dog breed that has the most favorite tweets

Top 10 Favorite Dog Breeds
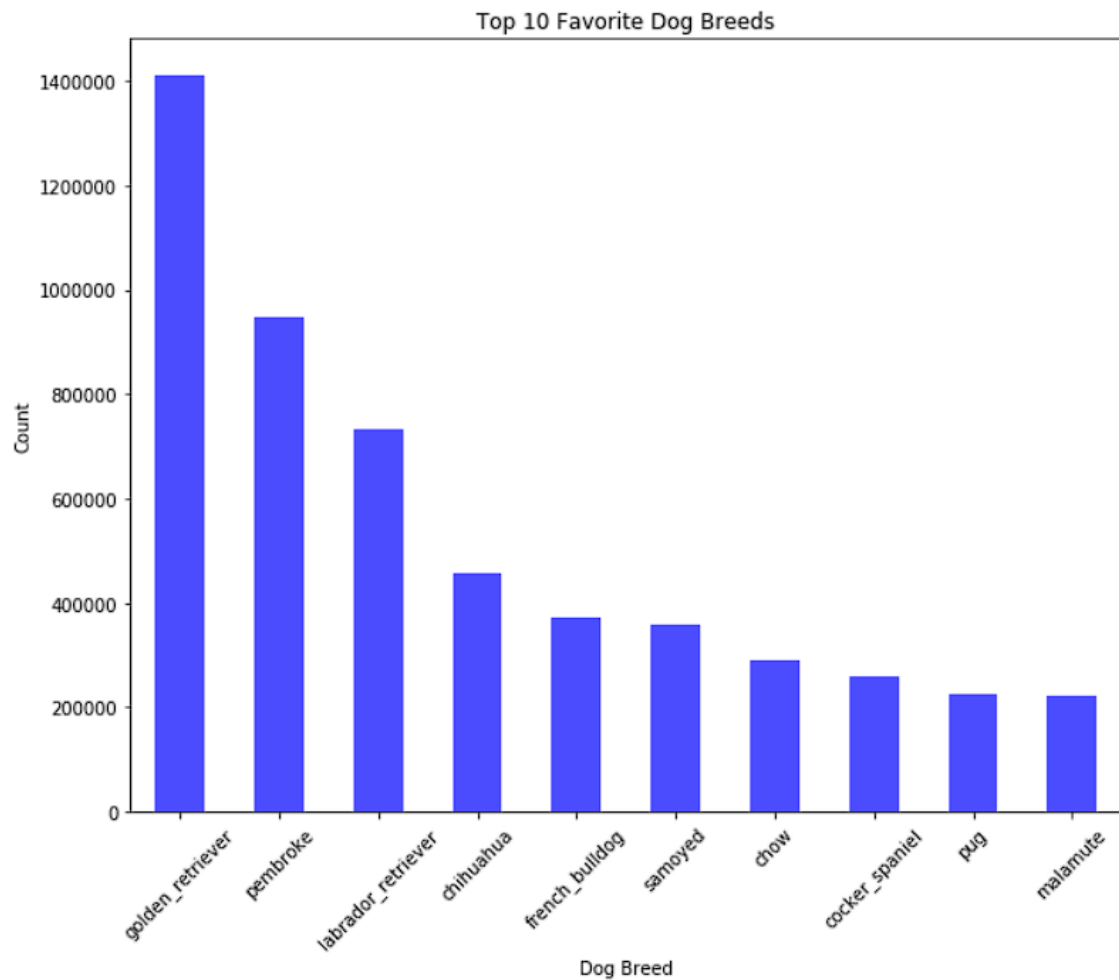
The golden retriever is still the one that gets the most favorite tweets. 1,410,664 is the number of tweets for the golden retriever. Pembroke gets 946,224 favorite tweets. Labrador retriever gets 733,755 favorite tweets.

3. The third question is also the most important question. I'd like to know if there any relation between the number of dogs with the number of favorite tweets they get.

Dog Breed Counts vs. Number of Favorites Scatter Plot
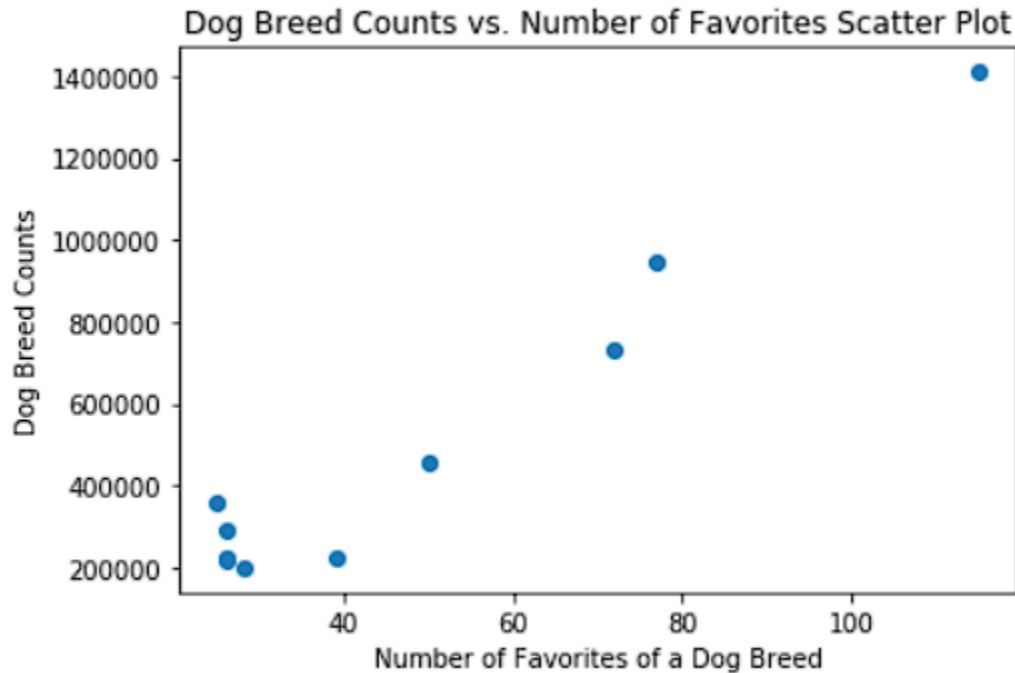
	dog_breed	dog_breed_counts	dog_breed_favorite_counts
0	golden_retriever	115	1410664
1	pembroke	77	946224
2	labrador_retriever	72	733755
3	chihuahua	50	457182
4	pug	39	224280

The result from the scatter plot and the table clearly shows the correlation between the number of dogs and the number of favorite tweets they get. The scatter plot shows that the golden retriever breed is at top of the plot The second common dog breed is pembroke and it is at second of the plot. The Labrador retriever is at number 3. After analyzing the bar charts and the scatter plot, the more dogs show up on twitter, the more favorite tweets they get. People post more pictures of golden retriever, that creates more favorite tweets for the golden retriever.