Analyze The WeRateDogs Twitter

INTRODUCTION:

The WeRateDogs Twitter archive contains basic tweet data for all 5000+ of their tweets, but not everything. One column the archive does contain though: each tweet's text, which I used to extract rating, dog name, and dog "stage" (i.e. doggo, floofer, pupper, and puppo) to make this Twitter archive "enhanced." Of the 5000+ tweets, I have filtered for tweets with ratings only (there are 2356).

A golden retriever named Stuart

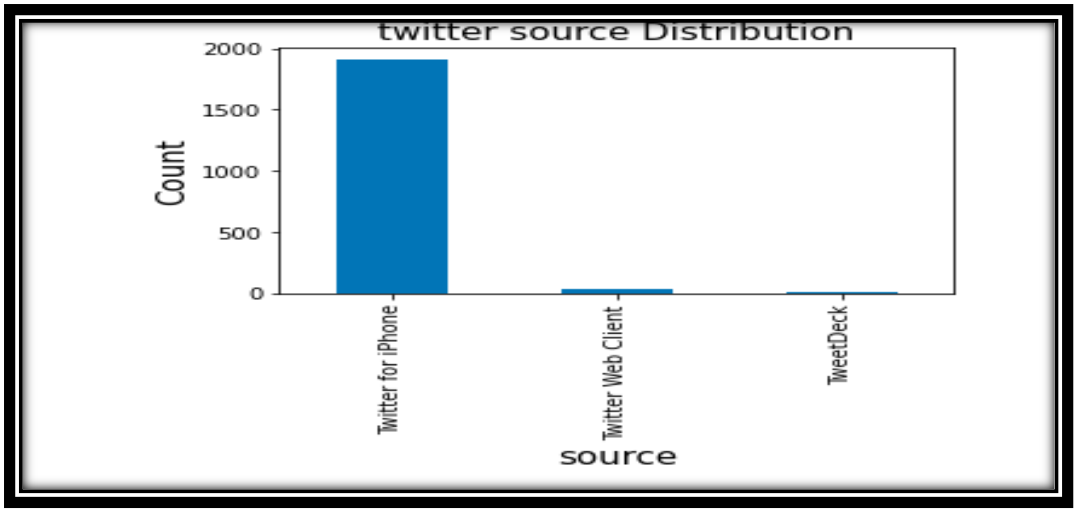
Analysis and Visualization:

After I finished cleaning, here are several analyses, which I have done and these are in following:

- Which kind of source are people using the most?
- What was the rating that most dogs got?
- How many dogs were rated above 10?
- which breed of dog people love the most?
- What is the relation between Retweets and Likes?

To answer these question, I will use three different Visualization.

Which kind of source are people using the most?



Twitter for iPhone	1908
Twitter Web Client	28
TweetDeck	9

This question is very straight forward, I used the value counts function to solve it, the result shows that 1908 people used Twitter for iPhone, 28 people used Twitter Web Client, and 9 people used Tweet Deck.

So, most people using Twitter for iPhone to access Twitter.

What was the rating that most dogs got?

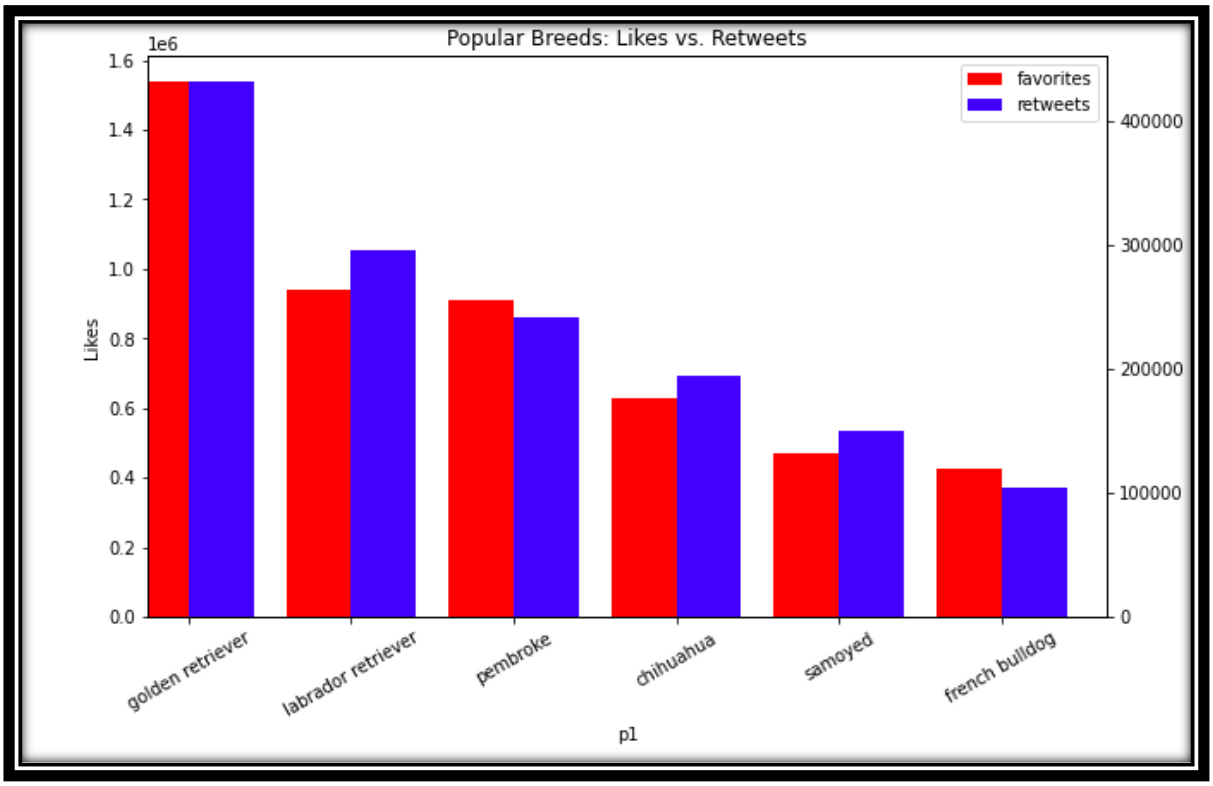
This question is very straight forward, I used the value counts function to solve it, the result shows that the rating that most dogs got was 12 over 10.

How many dogs were rated above 10?

```
1117 dogs were rated above 10.
```

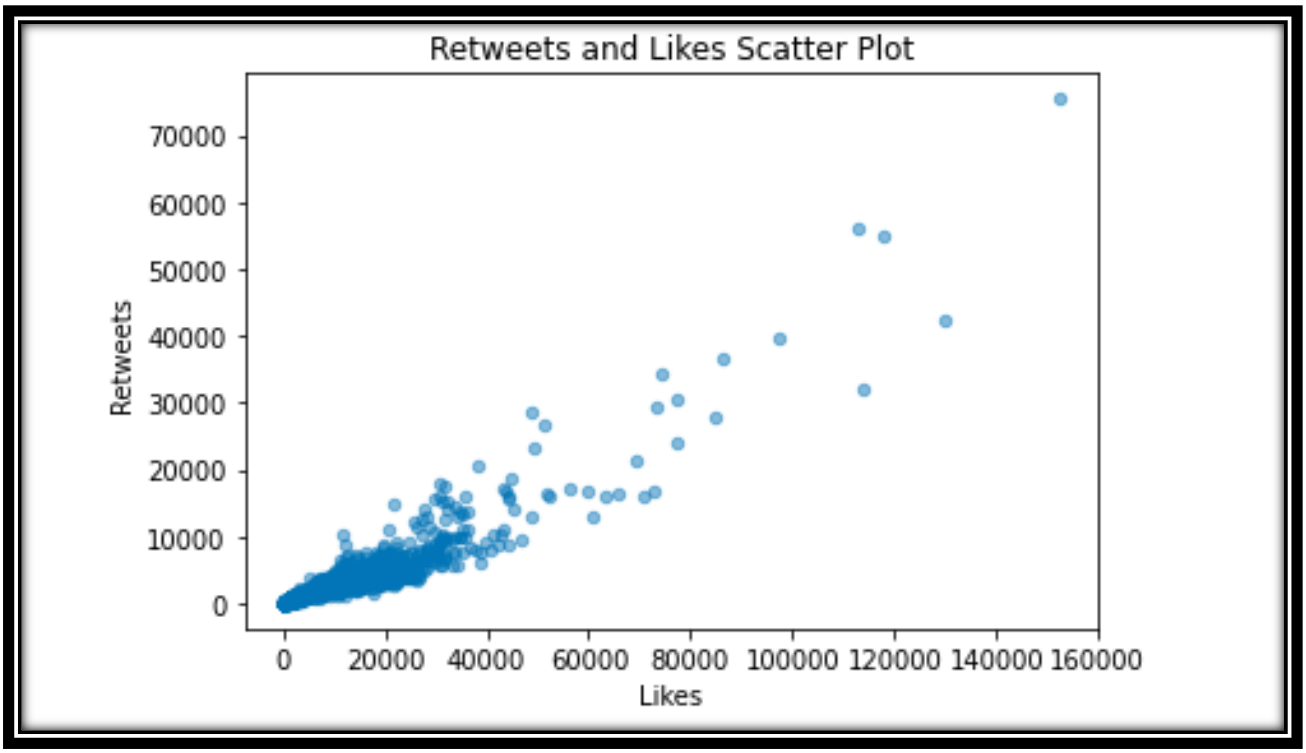
which breed of dog people love the most?

To solve this question, I manipulate the data by groupby function, and put the favourite and retweets counts for comparing popularity among different dog breeds:



AS we see in figure above, Golden Retriever is the most popular dog breed in the dataset with both the highest likes, and retweets.

What is the relation between Retweets and Likes?



As expected, the scatterplot illustrates that there is strong relation between retweets and likes(favourites).
The relation called positive correlation, so the increase in retweets leads to an increase in like.