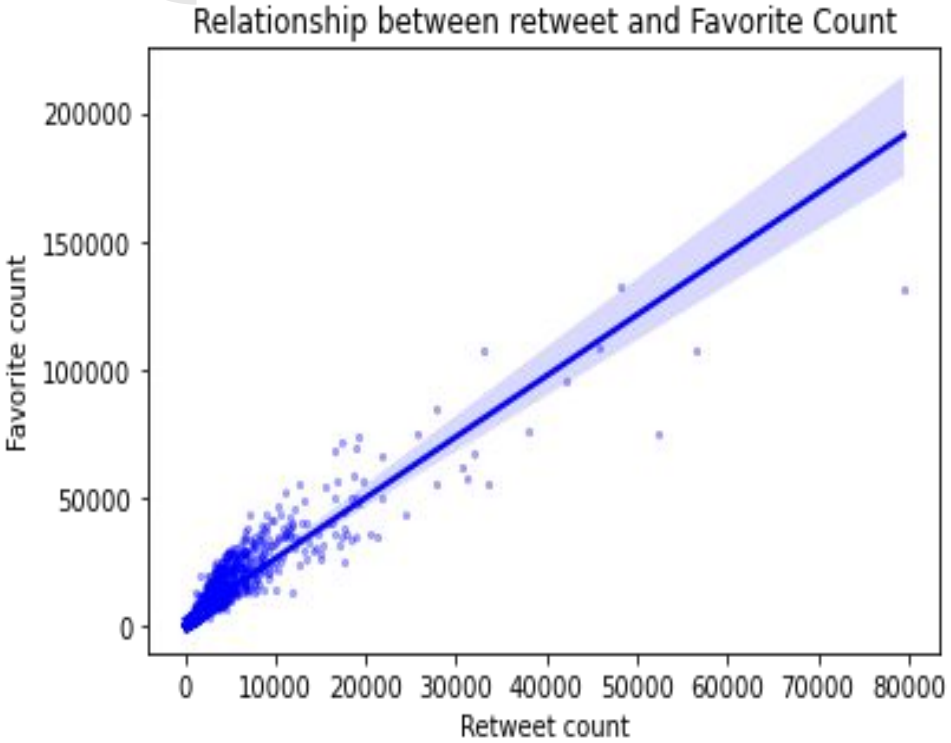
WE RATE DOGS ANALYSIS

A twitter account that is responsible for rating dogs, You can also take a look at it

After completing the wrangling process I came up with different insight

1. Find the relationship between favorite count and retweet count
2. Does the favorite count and retweet count increase over time
3. Base on retweet and favorite which of the dog breed is more popular
4. Does certain stage of dog has high rating
5. What is the rating distribution
6. Which of the tweet source has the highest distribution
7. Dog stage with highest count

1. Finding the relationship between tweet count and favorite count



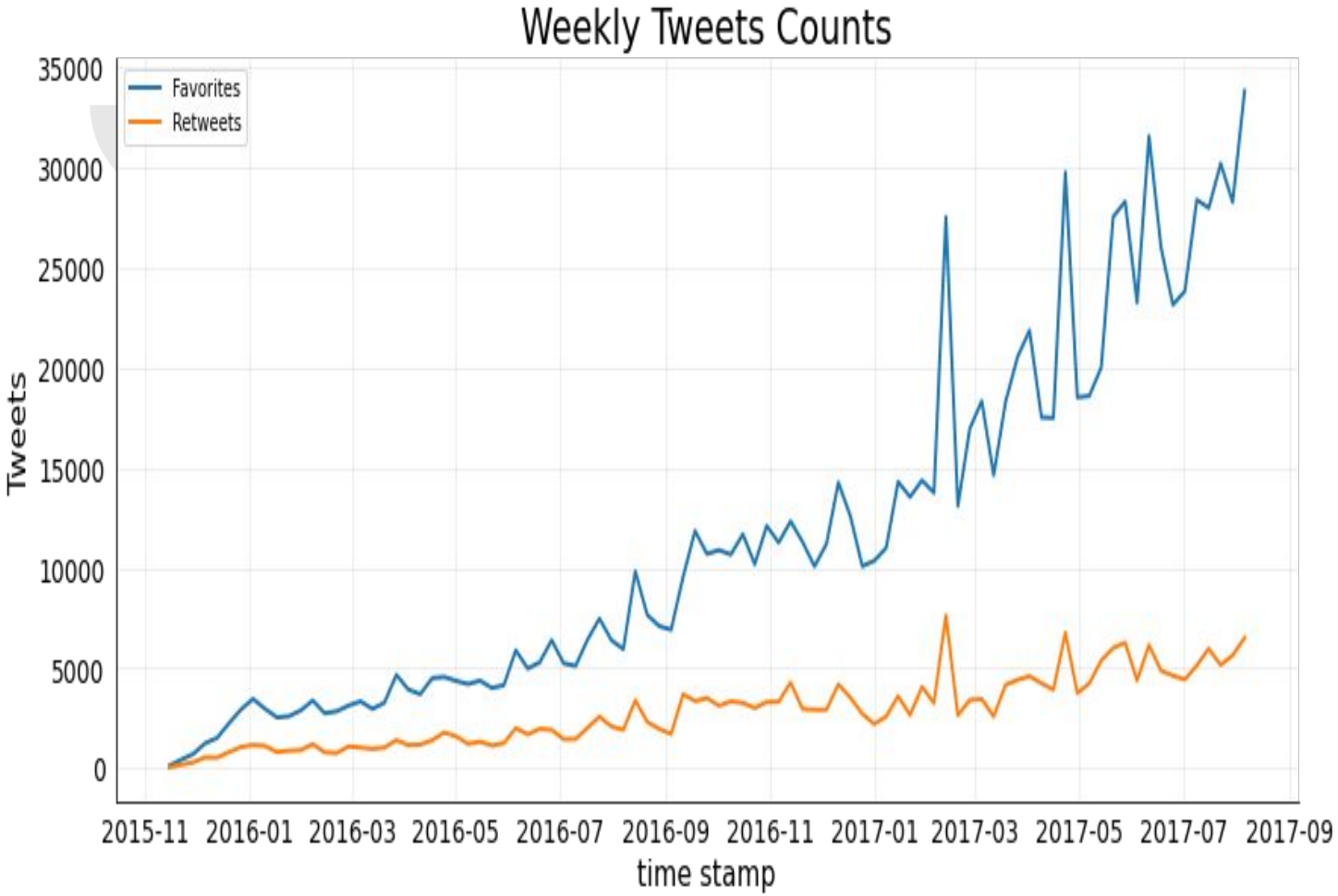
From the diagram at the left hand, it show that there is a positive correlation between favorite count and retweet count

2.Does favorite and retweet count increase over time

I used the median values of favorite_count and retweet_count by year, quarter, month, week, and day to check if there is an increase in the favorite and retweet count.

The day-to-day counts are inconsistent, but start to show more consistent growth aggregated by week. Month, quarter, and year. Showing a very consistent growth.

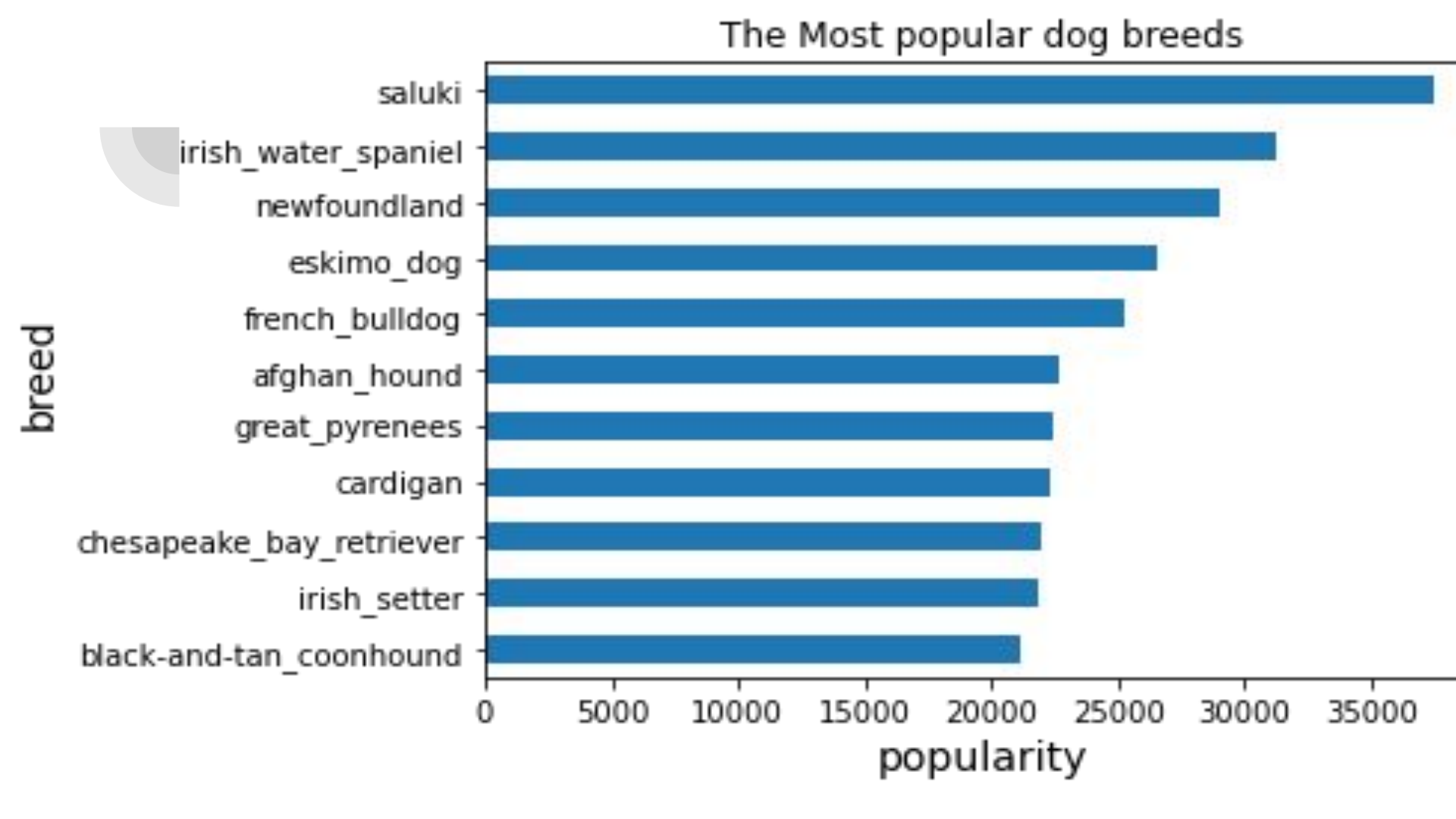
We can also see that favorites don't just happen more than retweets, their rate also grows faster. For example, looking at the quarterly aggregate, there are just under 3 times as many favorites as retweets in the first quarter, but over 5 times as many in the last two quarters of 2017



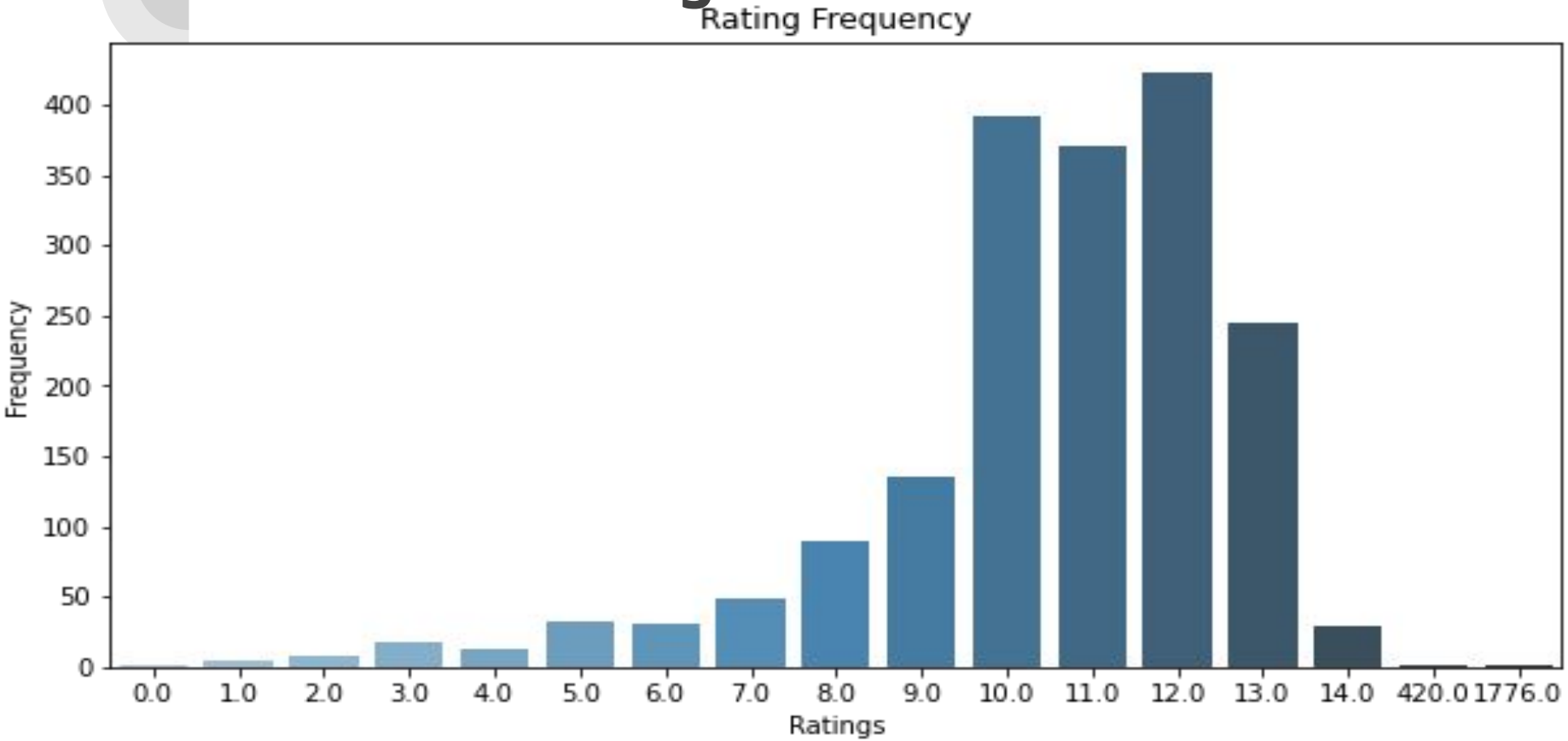
From this graph it is illustrated that favorite count did not just increase except there is an increase in retweet count

The most popular dog breed base on retweet_count and favorite_count

Analysing the popularity of dogs breed base on retweet and favorite count, 860 breeds has algorithm confidence greater than 0.5. The first ten dog with highest popularity are:
saluki,irish_water_spiniel,newfoundland,eskimo_dog,french-bulldog,afghan_hong,great_pyrenees,cardigan, chesapeake_bay_retriever,irish setter,black-and-tan_coonhound happens to be the breed with least popularity


The Most popular dog breeds
saluki
irish_water_spaniel
newfoundland
eskimo_dog
french_bulldog
afghan_hound
great_pyrenees
cardigan
chesapeake_bay_retriever
irish_setter
black-and-tan_coonhound
breed
0
5000
10000
15000
20000
25000
30000
35000
popularity

Check for the Rating distribution



Dog rated 12 has the highest frequency, and at the right end of the graph i discover two outliers, the first one is rated 420 while the second one is rated 1776. From my research, i discover that the image attached to the rating with 420 is actually an artist while the rating with 1776 is a dog name atticus, with description as America af. There was a dog with 0 rating although its name is unknown

Other insight

1. Does a certain dog stage has high rating?

The answer is yes, Calculate the mean rating_numertor, group the data frame by dog_stage.

From this it shows that floffer and puppo has the highest rating of 12 each and pupper has the least rating of 10.6

2. Which of the Dog stage has the highest frequency?

from the analysis it shows that pupper stage has the highest count with about 200 counts,while floofer stage has the lowest frequency

3. Which of the medium is mostly use to tweet?

it shows that the iphone user tweet most with about 1750 tweet counts

The two top rating dogs 1776,420

Dog stage with highest rating

PUPPER

SALUKI