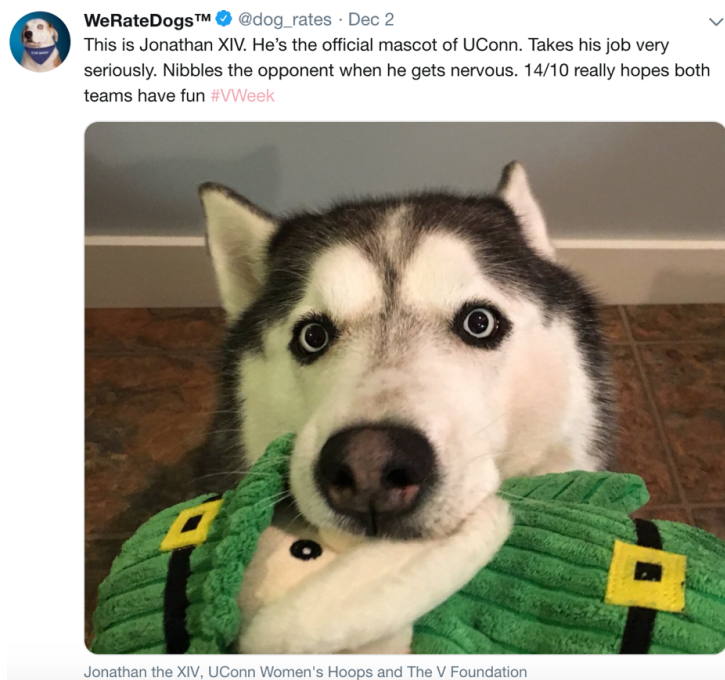


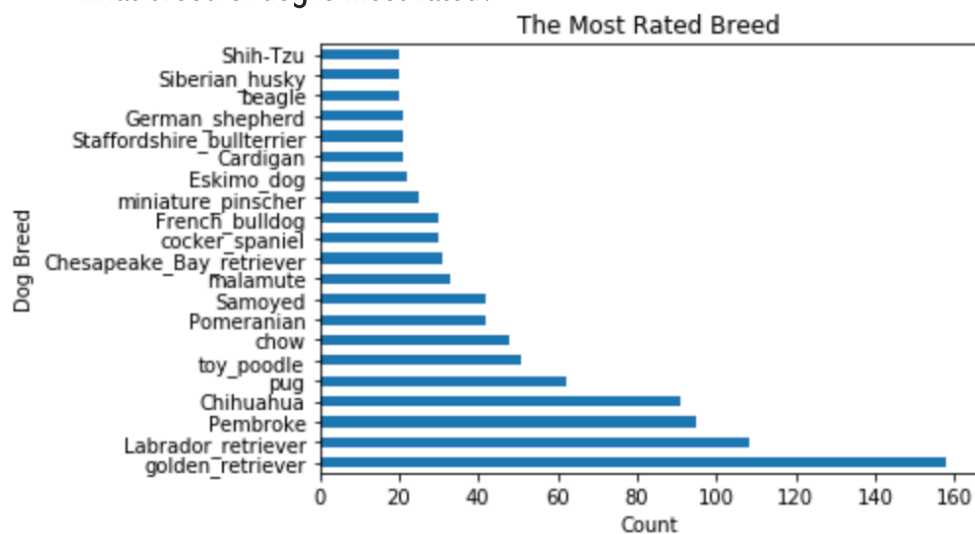
WeRateDogs is a hilarious twitter account that rates dogs by asking people to send photos of their dogs, then tweets selected photos rating with an amusing comment. The dogs are rated on a [scale of one to ten](#), where many of them with higher rating than 10. Here is just a couple of tweets to show you what you're missing out on:



After having obtained our data from various resources, I thoroughly assessed it and cleaned it. It is now ready for some analysis.

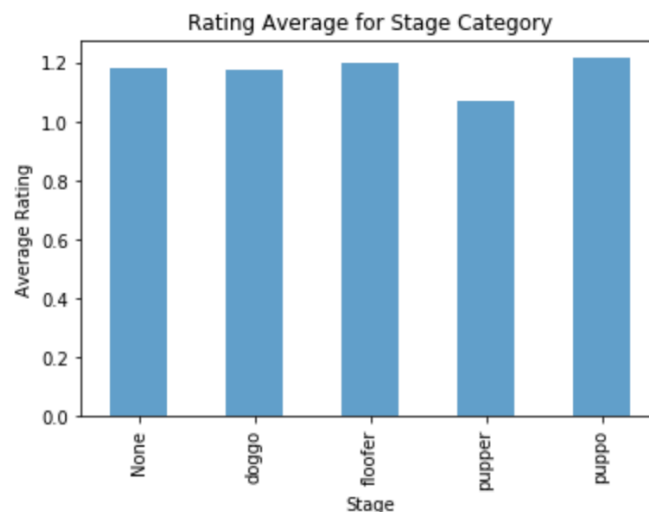
For my analysis, I started off by asking:

- What breed of dog is most rated?



A golden retriever was the most breed to be tweeted with over 150 counts. This is followed by Labrador retriever and Pembroke. That could be because they are the most common breeds of dogs that people have or possibly the breeds that is liked most by WeRateDogs raters and hence there are more posts about them.

- At what stage is the dog highly rated?



Now we can see that the dog at the “puppo” stage has on average the highest rating. This can be seen here:

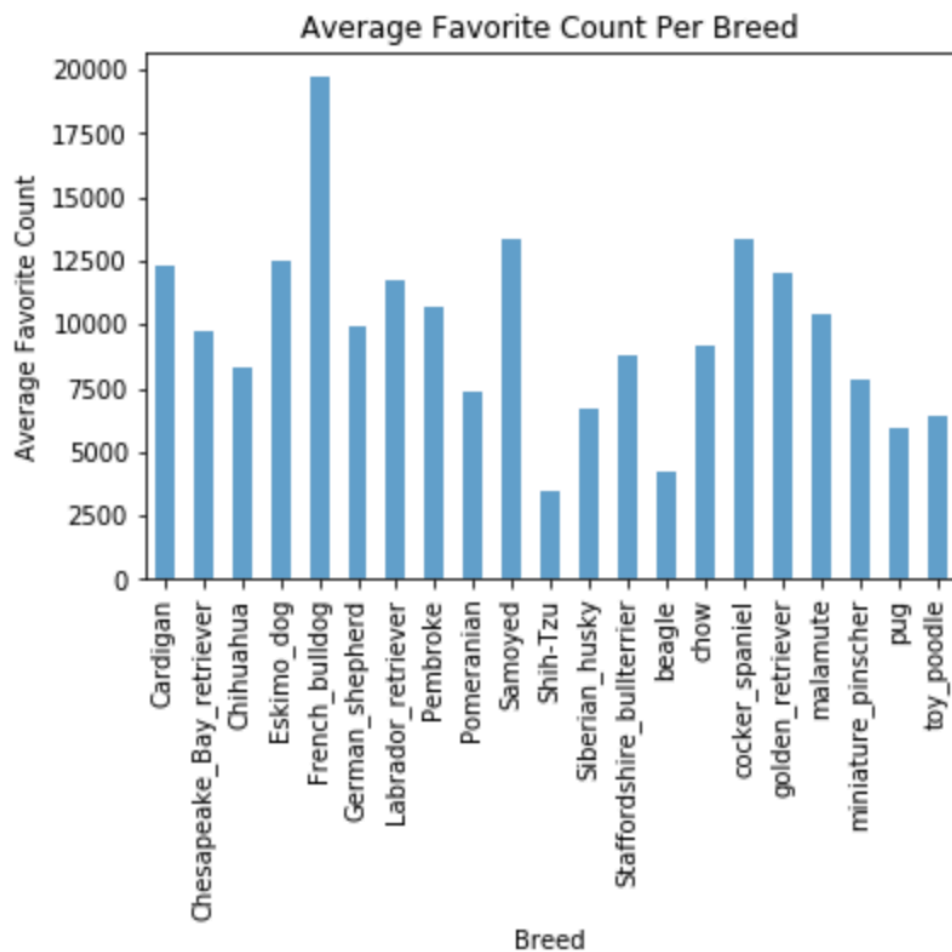
```

stage
None      1.181334
doggo     1.179710
floofer   1.200000
pupper    1.075105
puppo     1.217241
Name: ratings, dtype: float64

```

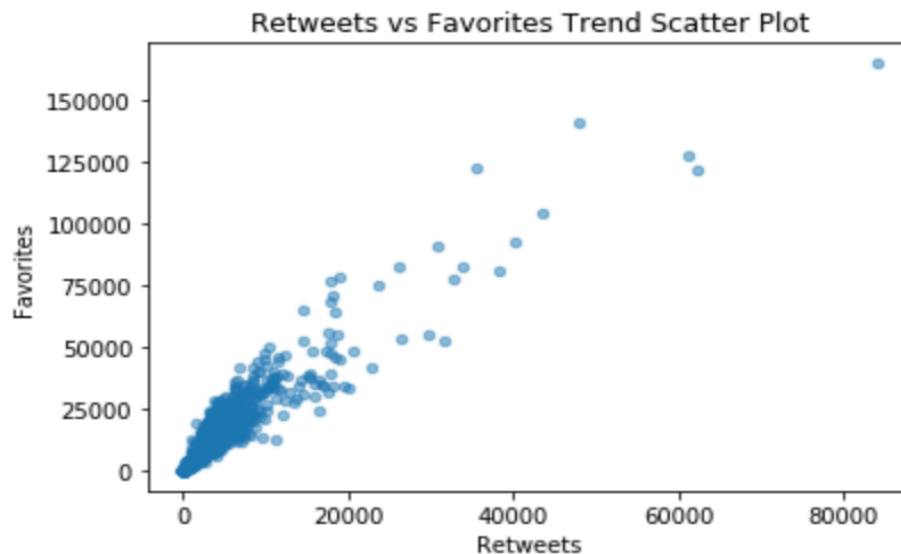
Puppo has the highest average rating, with floofer not too far off behind.

- Breeds of dog with highest count of favorites?



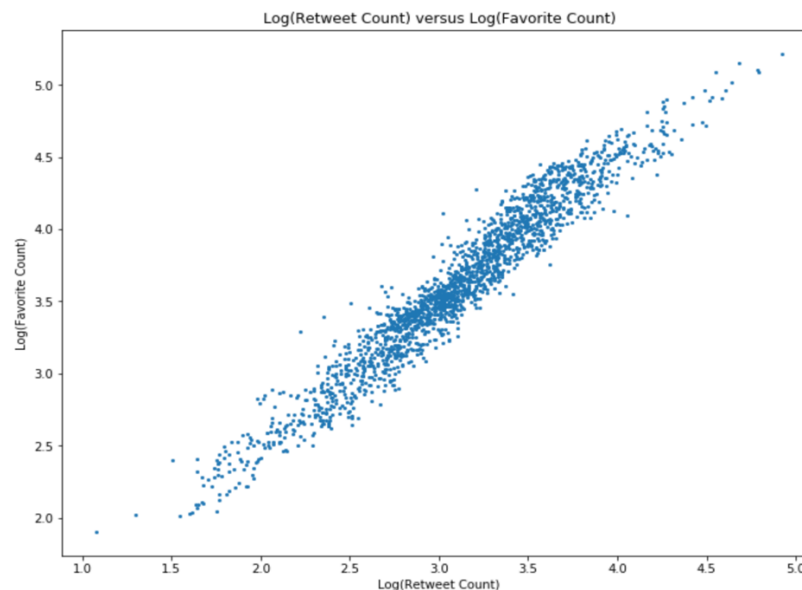
Seems that although there were much more tweets with Golden retrievers, the French bulldog seem to be everyone's favorite, pulling a total of about 20,000 on average favorite count.

- The relationship between `retweet_count` and `favorite_count`:



There seems to be a positive relationship between retweets and favorites. But let's take a closer look to make sure.

- Now looking at the log of the relationship



As we can see from the first scatter plot and validated by the second, there is a very strong positive correlation between the number of retweets and favorites. The more retweets the tweets get, the more likely it will also get favorited. This makes sense since retweeting would increase exposure of the image, more people would get to see it and hence like the image.

This leads to the end of our data wrangling. From gathering the data, to its assessment and finally cleaning it has been a bumpy ride.

We can conclude that although we had a much more tweets of golden retrievers, the french bulldogs seem to get much more (on average) favorite counts. We also learned that the younger stage the dog doesnt necessarily mean a higher rating.

And finally, higher retweet count would most probably get a tweet more favorite count.