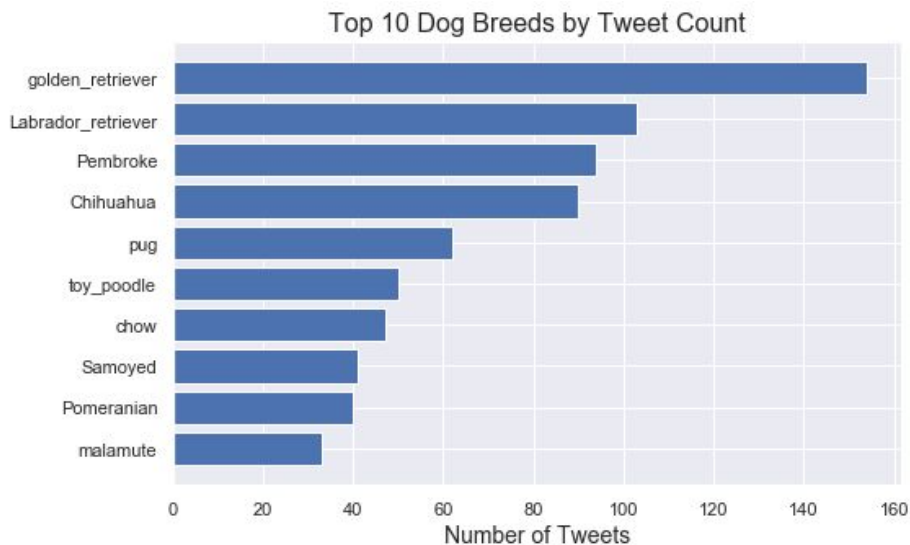
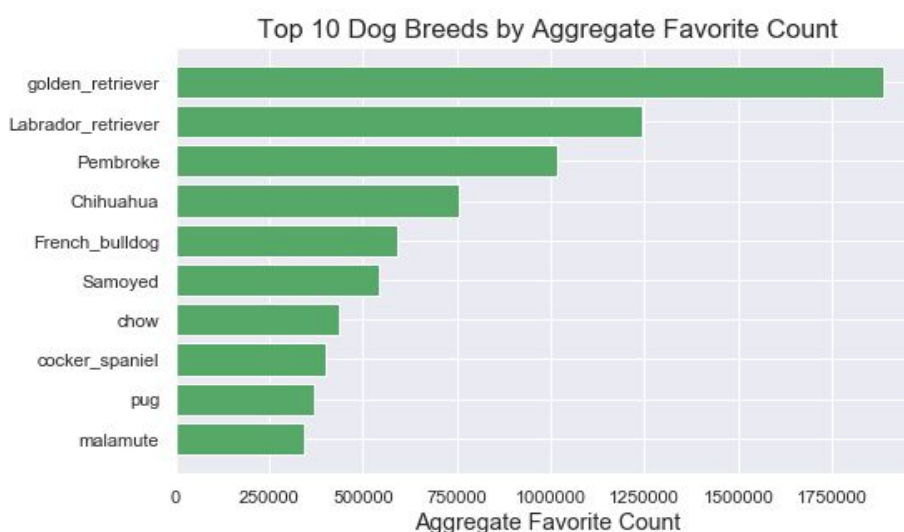


Data Analysis



The chart shows that the most common dog that is tweeted about, with almost 160 tweets, is the Golden Retriever, as identified (predicted) by the neural network.

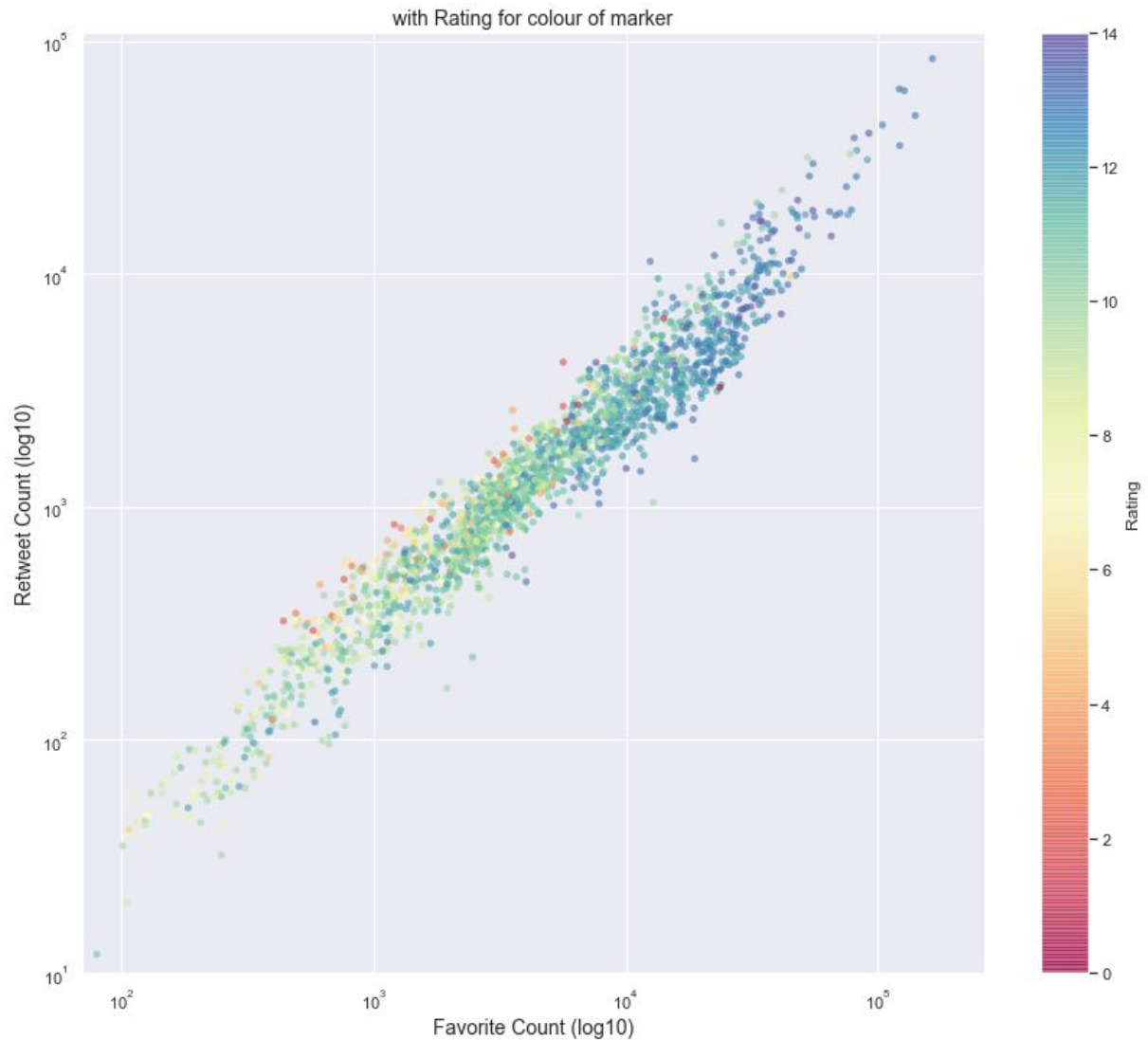
Labrador Retrievers, Pembrokes and Chihuahuas are fairly close together in 2nd, 3rd, and 4th place. Further down we'll take a look at what are the most favorite dog breeds.



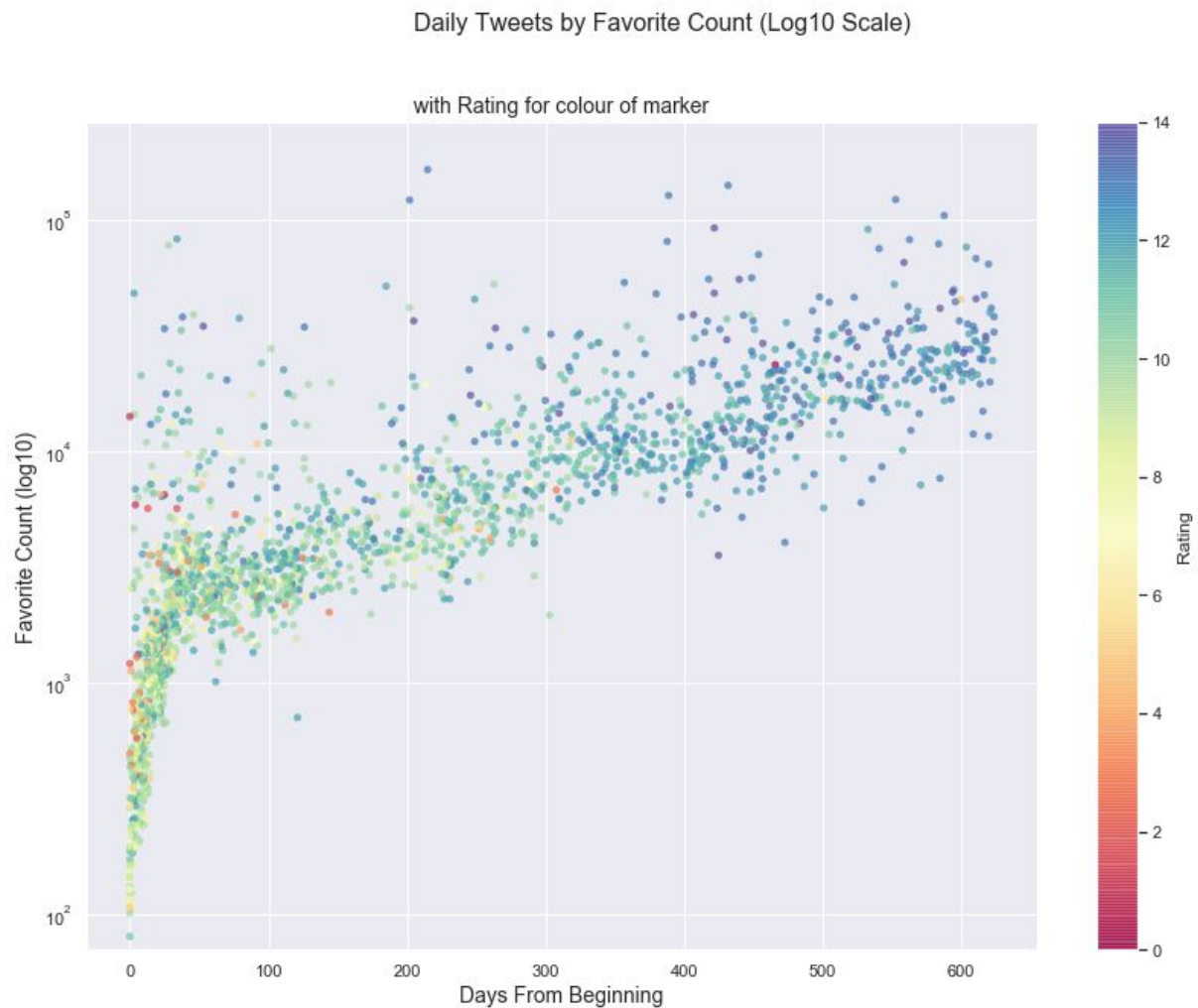
The plot above shows the top 10 dog breeds ranked by aggregate favourite counts. It looks very similar to the bar plot earlier of top 10 dog breeds ranked by tweet, and in fact the top 4 dog breeds are

the same. This also makes sense, as these dogs have the highest number of tweets.

Favorite Count vs. Retweet Count (Log10 Scale)



This plot is showing a few things here, but the overall picture is the strong positive correlation between retweet counts and favorite counts. It does make sense though, personally, if I 'like' a tweet (favourite it) I am more likely to retweet it as well. The tightly packed points follow a distinct linear trend with a positive slope, so as favorite count increases so does the retweet count. Also evident, tweets with high favorite counts and high retweet counts also have higher ratings, as shown by the concentration of blue points.



In this plot the x-axis scale is reversed showing time in the past, and moving forward from left to right. Clearly, the more recent tweets (younger/fewer days old on the right side) are rated consistently higher (blue and green) than much older tweets (yellow and green). Also interesting is that tweets older than 1100 days have lower favourite counts; this is most likely because this was at the start of the twitter account, and so there weren't as many followers at the time.

The slope of the line is also increasing at a steady rate from around 1100 days, reflecting the daily increase in tweets being favoured. This clearly shows that the twitter account followers were active, and possibly growing, during the timeframe represented in the archive.

The older tweets also have much more variability in ratings as seen by the range of colours (more yellow and green), and also in the range of favorite_count.