

## Act report

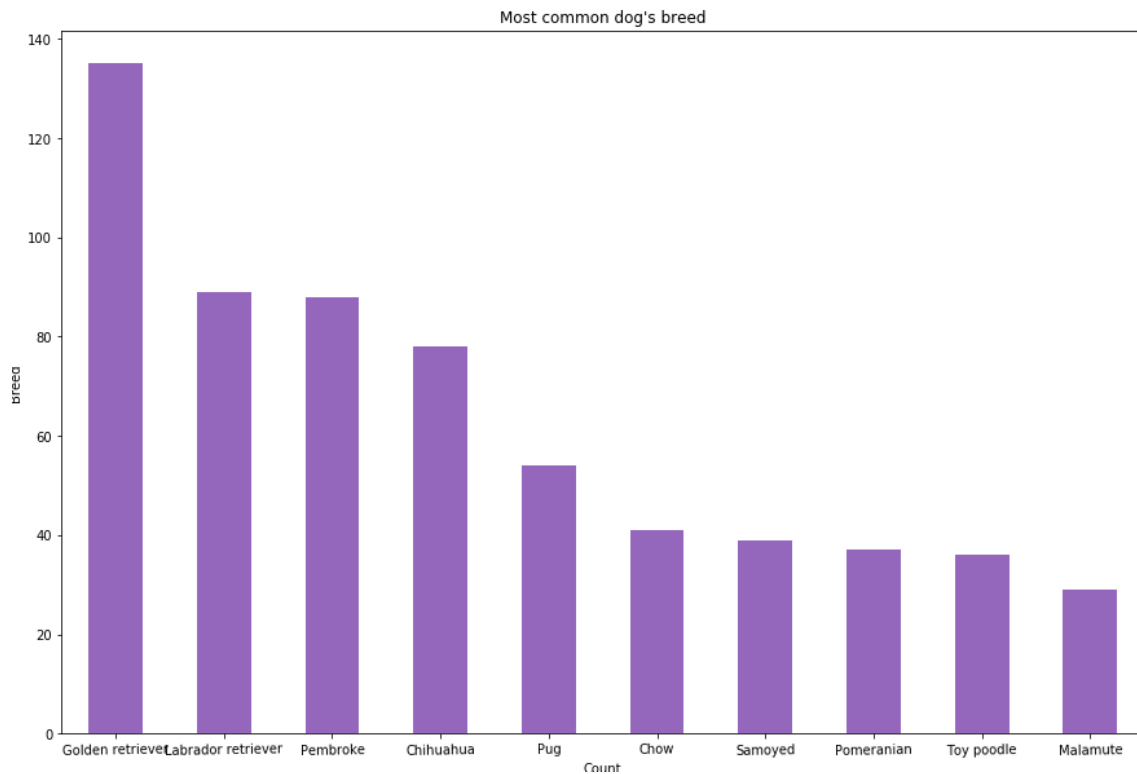
In this report we will explore the findings that we had during the data analysis process. In this part of the project, we found some useful details about the data that we collected. Then we visualized them with the power of matplotlib library. We visualised our data with bar charts, pie charts and scatterplots. We used matplotlib and seaborn libraries for this process. Unfortunately the data were very messy and during the cleaning we had to drop a lot of columns and rows so the dataset that we worked on was a little small. However we had some wonderful findings through this process.

WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. The account was started in 2015 by college student Matt Nelson, and has received international media attention both for its popularity and for the attention drawn to social media copyright law when it was suspended by Twitter for breaking these aforementioned laws. [Here](#) you can visit the page.



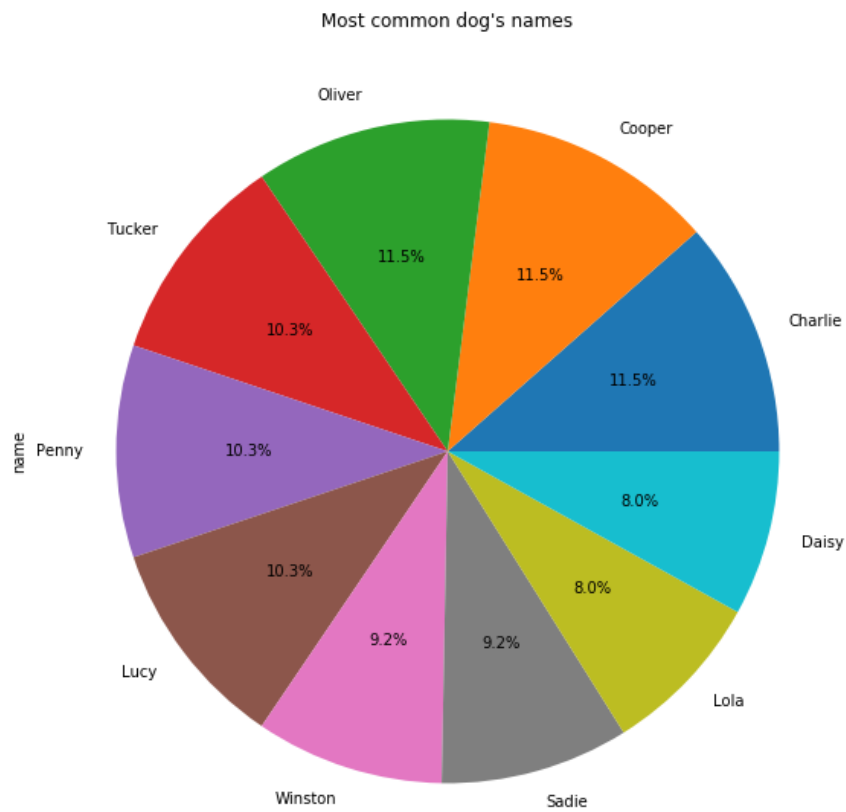
## What's the most common dog's breed?

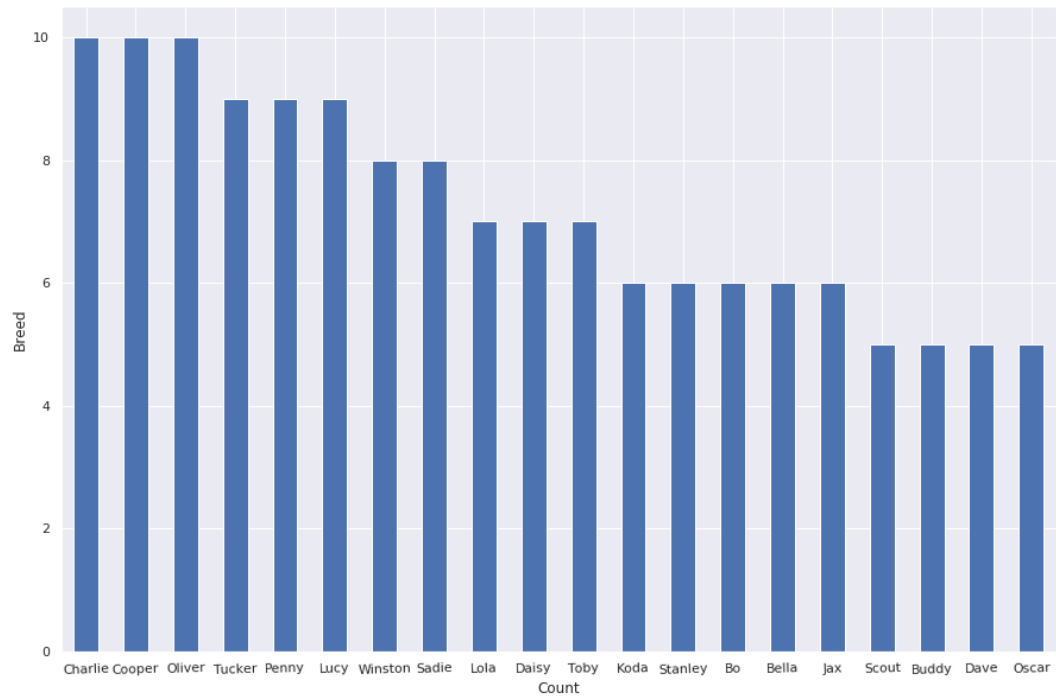
Well, that was a very interesting question. Golden Retriever is the most common dog's breed according the tweets and our data. That's not surprising since Golden Retrievers are really cute and smart dogs who love children as well! Labrador is the 2nd most common dog's breed which is a breed very similar to Golden Retrievers. 3rd on the list we have Pembroke, a small dog. Queen Elisabeth II used to have one Pembroke.



## Most common dog's name?

Unfortunately we didn't have a lot of data about the dog names of page followers. However we did a list with the most common one according to our data. Charlie, Cooper and Oliver where the most common names that we had in our data. We can see the results in a pie chart and in a bar chart.





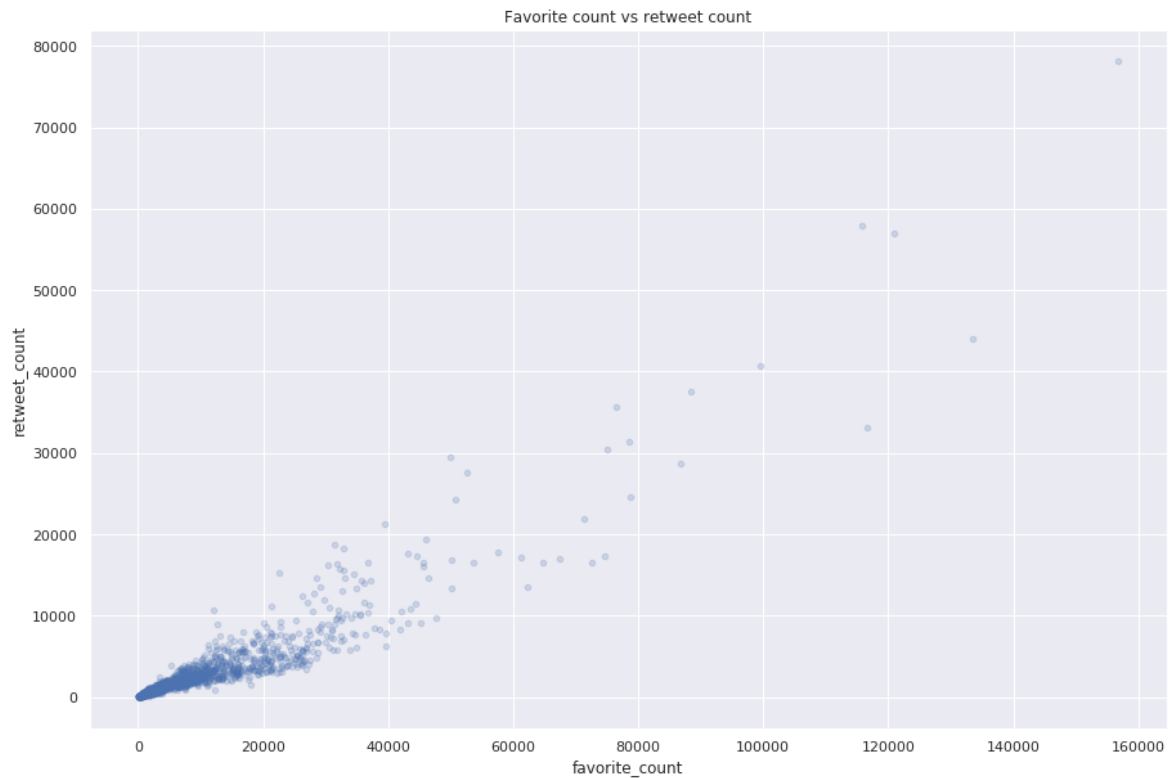
## Most famous retweet?

We found the most famous retweet which you can see [here](#). It is a dog who loves swimming. So cute! Is this a Labrador by the way? :)



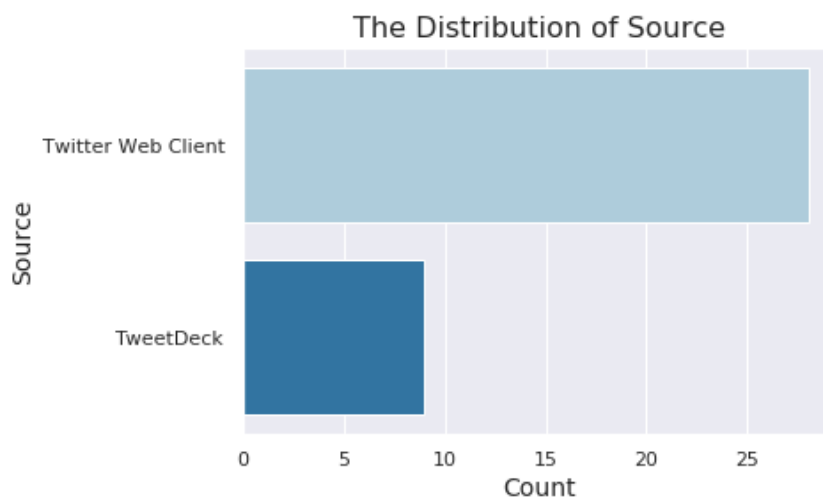
## Favorite count vs retweet count.

We did a scatterplot with two variables: Favorite count and retweet count. As expected, the scatterplot shows a relationship between those two. We also found the correlation between those two which was 0.9290056549038227. A strong positive relationship. So, the increase in retweets leads to an increase in likes.



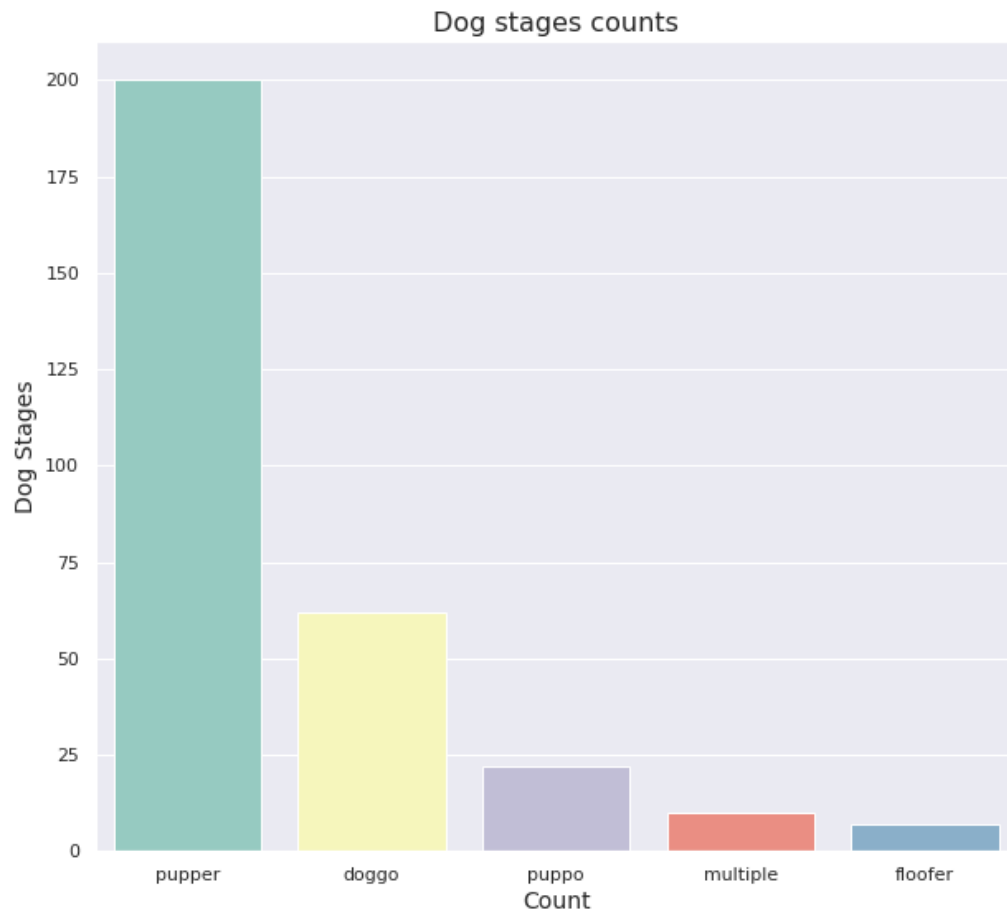
## Most common twitter device?

As we can see WeRateDogs followers have a preference on iPhones. The most common twitter device in our data was by far Twitter for iPhone. Second one was TweetDeck, a dashboard application for management of Twitter accounts.



## Most popular dog stage?

As we saw during the analysis, there were a lot of names for dogs. Pupper,doggo,puppo,floofer were found for describing the dogs. It is interesting to visualize the result and see the most used one. As we can see pupper was the most common one.



## What is the most common rating numerator?

In this plot we can see the distribution of rating numerators. As we can see 12 is the most common one. The max value is 14.

