

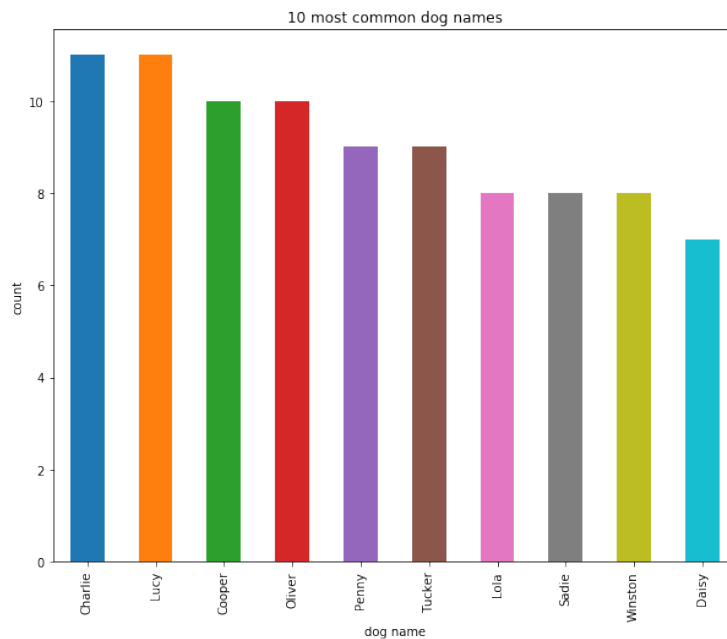
# act\_report

Eileen Hertwig

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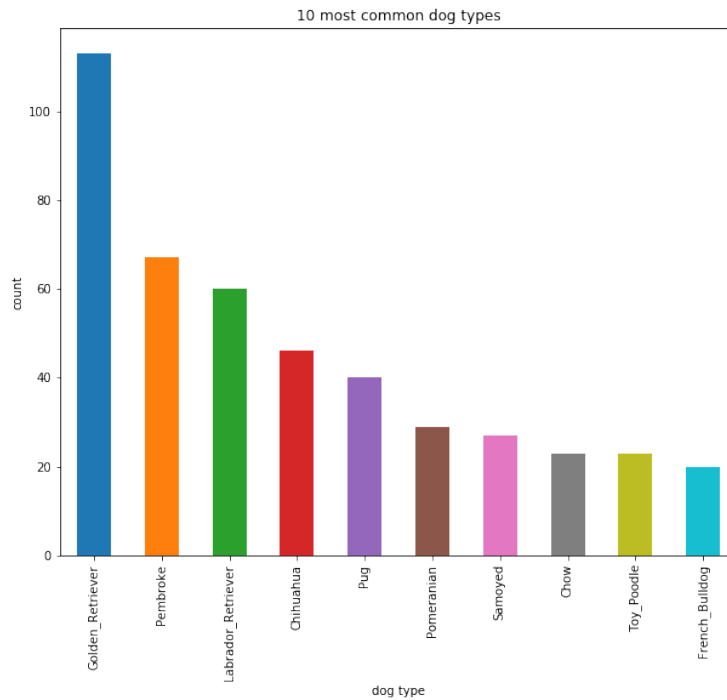
## 1 Dog Names

The popular twitter channel WeRateDogs rates pictures of dogs. The tweets often include some details about the dogs including their names. After analyzing more than 2000 tweets, I came accross many different dog names (in total 973). So I wanted to find out, if there are some especially “trendy” names, i.e. names that occur much more often than others. The figure below shows the frequency of the 10 most often occuring dog names. It turns out that “Charlie” and “Lucy” are the winners with both being found in these tweets 11 times. However, for a really popular name I would have expected this number to be much higer, so I guess, dog names are still very individual.



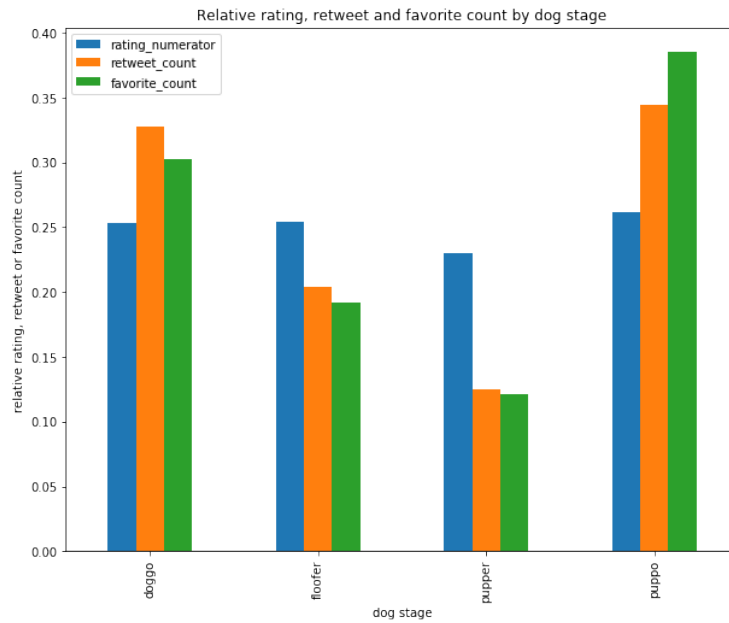
## 2 Dog Types

But how about dog types? Users on twitter usually don't mention the breed of the dog in the picture. However, image predictions based on a neural network are available for these tweets. If the picture was classified as a dog and the predictions was more than 50% confident, I included it in my list of dog types, which contains 99 different breeds. The top 10 can be found in the picture below. The *Golden Retriever* is by far the most common dog type and can be found 113 times in the *WeRateDogs* archive, followed by the *Pembroke* (67 times) and the *Labrador Retriever* (60 times).



## 3 Dog Stages

The tweets often classify the dogs into four different stages: doggo, floofer, pupper, and puppo. Data about dog stages is only available in almost 400 tweets, but I looked into this data to find if some dog stages are more popular than other. We have the rating (which is always out of 10) and the retweet and favorite count. The mean over each group (i.e. dog stage) is taken and to get statistics on the same scale, relative frequency is shown in the picture below. It appears that the rating is distributed almost evenly (maybe not surprising, because it's usually the owners themselves who rate their dogs). However, in terms of favorite and retweet counts the *puppo* is the clear winner, while the *pupper* seems least popular.



## 4 Rating vs. Retweet and Favorite Counts

This leaves me wonder, if there is a relation between the rating given in the tweets and the retweet and favorite counts at all. However, the scatterplots below show that very high number of retweets or favorites only occur for the very high ratings and hardly ever for the ones below 10/10.

