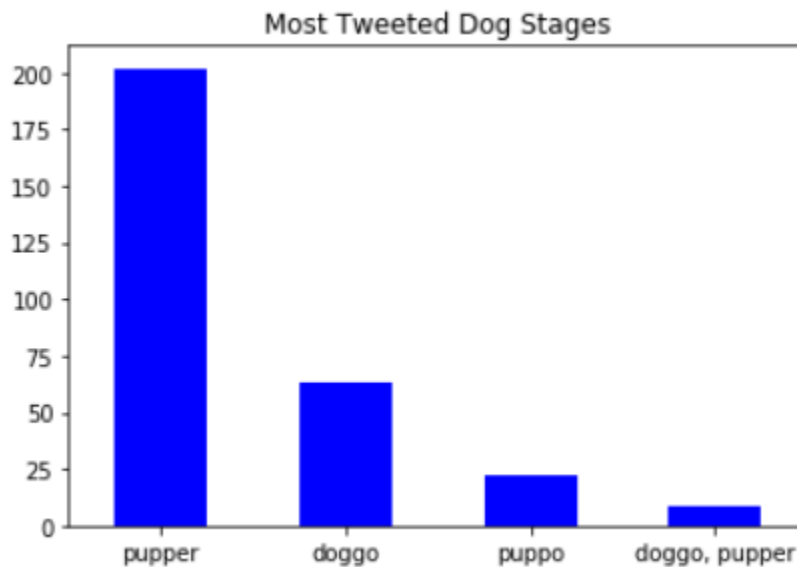


In the section of analyzing and visualizing data, four questions were investigated.

### At which stages are dogs most tweeted?

WeRateDogs twitter account divides the dogs into four groups according to their stages of life: pupper, doggo, puppo and floofer. We can analyze which stage is the most tweeted one. Values of `dog_stages` column were counted and tweet numbers are plotted as a bar plot. As a result, pupper is the most tweeted stage by far. A pupper is defined as “a small doggo, usually younger one” in the dogtationary. Then, it is expected because people can tend to share pupper images because they are more lovely.



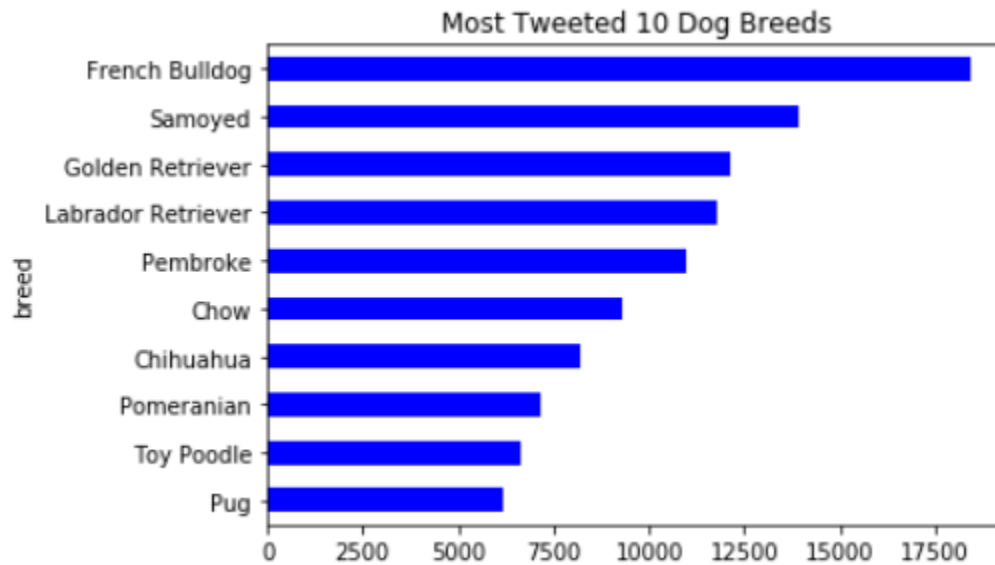
### What are the top 10 most tweeted dog breeds?

In the second dataset, dog breeds are determined by neural networks. By using this information, we can analyze the most tweeted dog breeds. We have to decide how to specify dog breed here. I examined the dogs only whose breed probability is higher than 80%. Then, I grouped dataset based on dog breeds. The most tweeted dog breeds are golden retriever, pembroke and labrador retriever. These breeds are adopted more so their tweet numbers are higher.

breed	
Golden Retriever	63
Pembroke	38
Labrador Retriever	33
Pug	31
Pomeranian	22
Samoyed	22
Chihuahua	19
Chow	16
French Bulldog	14
Toy Poodle	11

### What are the average likes of the most 10 tweeted dog breeds?

In the previous question, we have found the most tweeted breeds. Here, we analyze their average “like” counts per tweet. Rows keeping one of these breeds were investigated. Dataset was grouped based on dog breeds. Results show that a tweet of a French bulldog gets about 17500 like averagely. Samoyed, labrador retriever and golden retriever follows it respectively. These dogs can seem cuter to humans.



### What is correlation between favorite and retweet numbers?

Finally, correlation between retweet and like numbers of tweets were analyzed. As expected, there is a strong positive correlation between them. I wanted to observe anomolus tweets (high retweet and low like, or vice versa) but there is no a tweet like that.

