WeRateDogs Insights

WeRateDogs is a twitter account that rates people's dogs with giving comments on the dog, I will provide some insights and visualizations about dogs, dogs' lovers, their behaviors towards dogs and interaction between them.

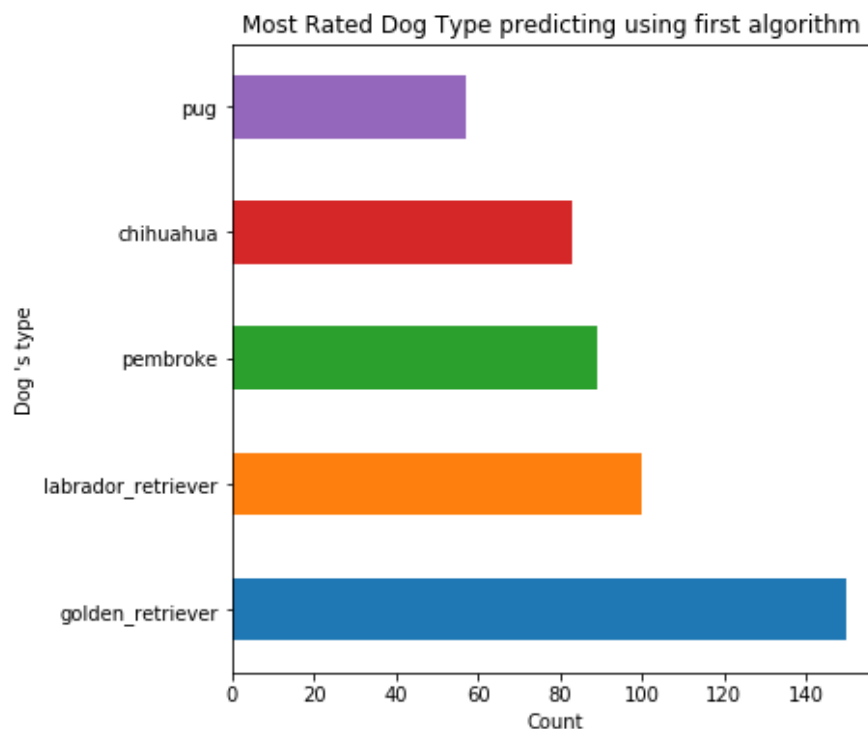## What is the most common dog breed predicting using the three algorithms?

Figure1

Using the first algorithm results which classify dogs' images using neural network, the figure1 shows that the most common five dogs breed predicting using the first algorithm.
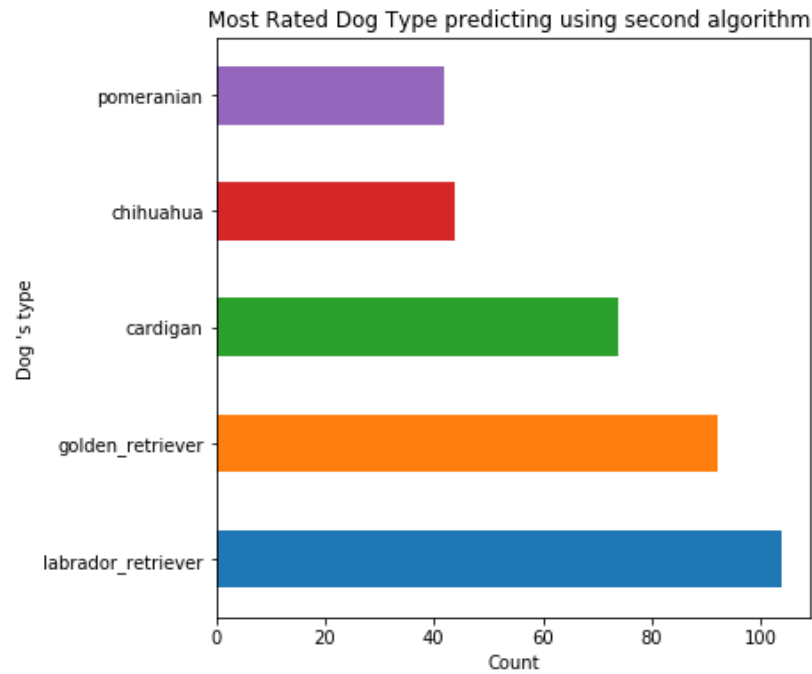
Figure 2

Figure 2 shows the most common dogs breed predicting using the second algorithm.
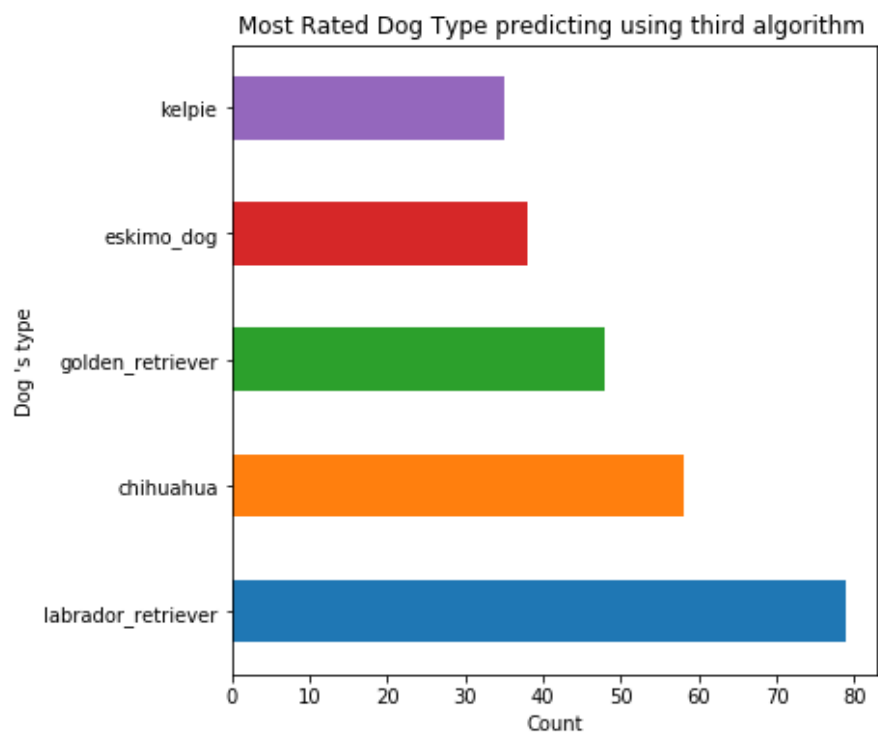

Figure 3

Figure 3 shows the most common dogs breed predicting using the third algorithm.

Figure 4 below, shows that the most common dogs breed overall by combining the results of all three algorithms used to classify dogs' images.
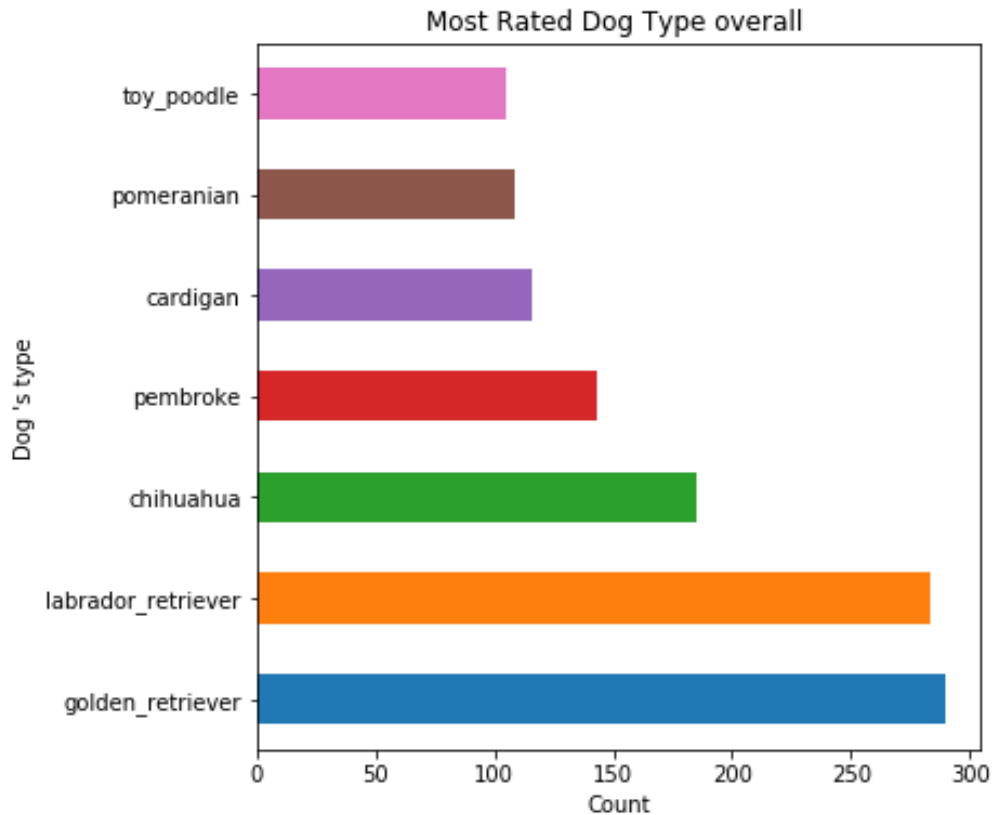

Figure 4

What is the most common dogs' names in the data?

The most common dogs' names in the data are Charlie, Lucy, Copper, Oliver, Tucker and Penny.

And figure 5 below, shows that the most seven common dogs' names that the users have in the dataset.
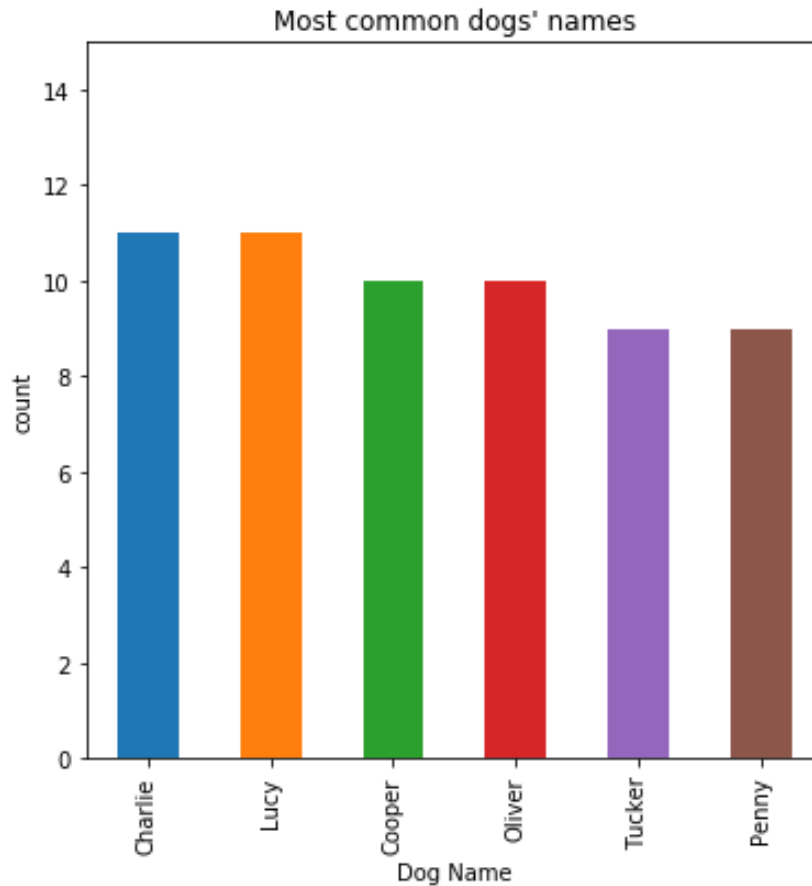
Figure 5

What is the most common dogs' stages in the data?

Dog stage divided into 4 categories in our dataset (doggo, floofer, pupper, puppo), these four categories give an indicate about dog age.

By analysis the most common dog's stages, we will be able to determine which age of dogs that the dogs' lovers prefer to buy.

The pie chart shown in figure 6 below, shows that 68% of people prefer to buy and raises a small dog which is categorized as a Pupper and around 21.5% prefer and love doggo.
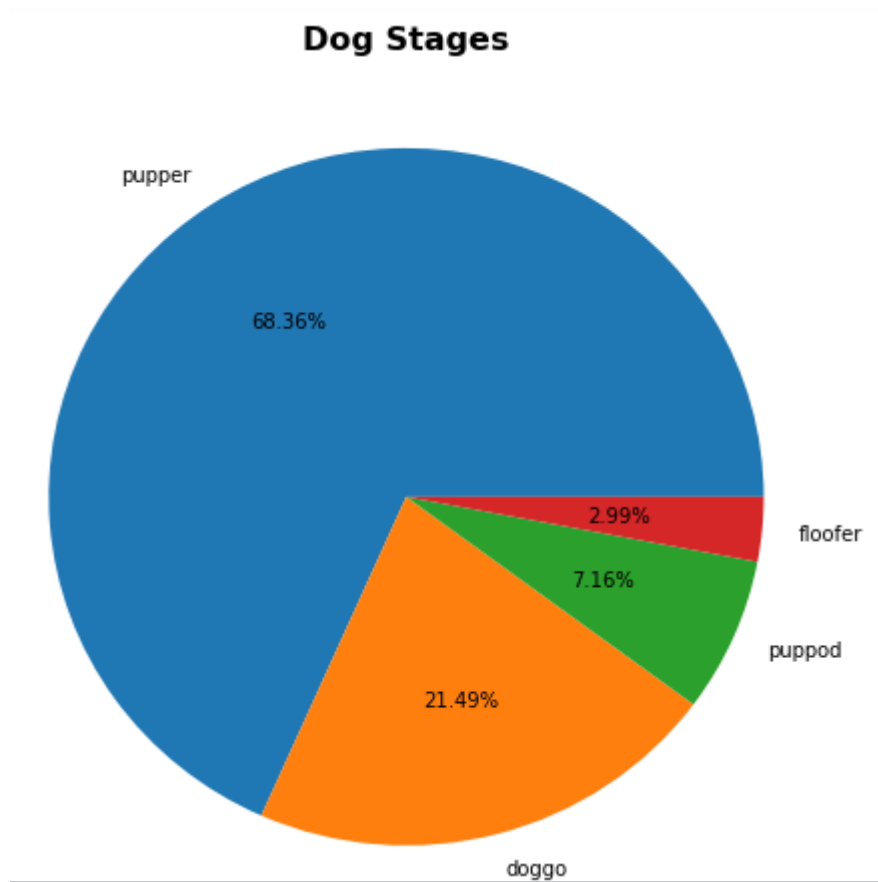
Dog Stages

pupper — 68.36%
floofer — 2.99%
puppod — 7.16%
doggo — 21.49%

Figure 6

What is the Relation between number of retweets and number of likes?

There is a positive correlation between retweets count and favorites or likes count, as the number of retweets increases the number of likes increases also and vice versa.

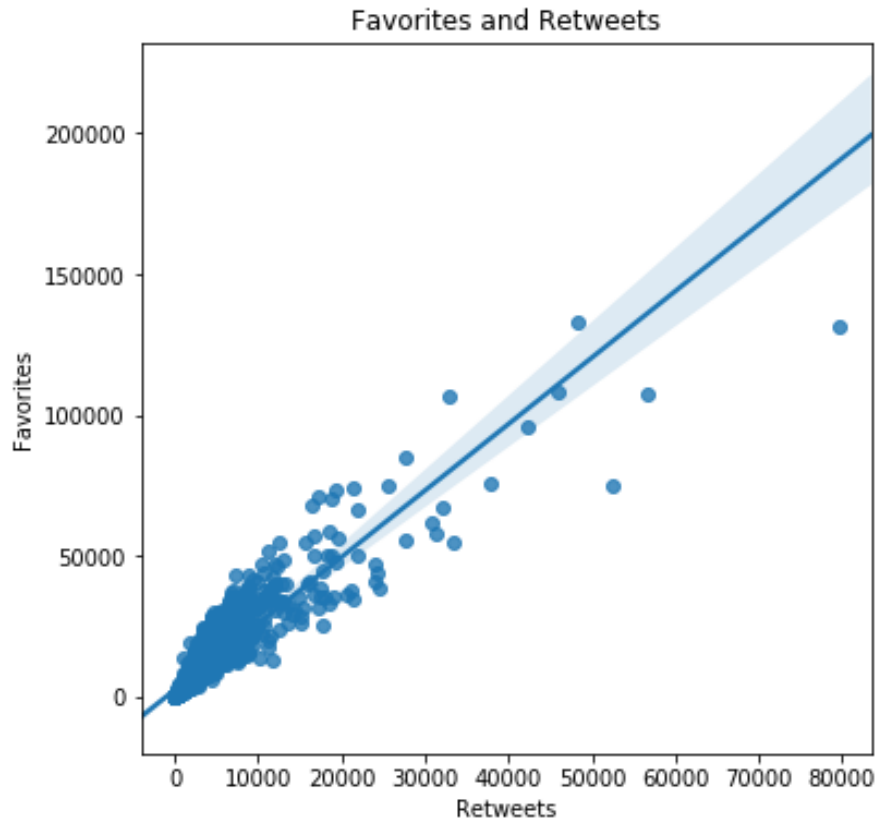The figure 7 shown below explains the relation between retweets count and favorites or likes count.

Figure 7

What about number of tweets over time?

Number of tweets over time gives us a brief about interaction of dog's lovers on the page WeRateDogs which shows that over time, the Number of tweets decreases.

There is a clear trend of decreasing popularity in terms of creation new tweets over time.

The figure 8 below shows us that there is less interest due to less tweets!
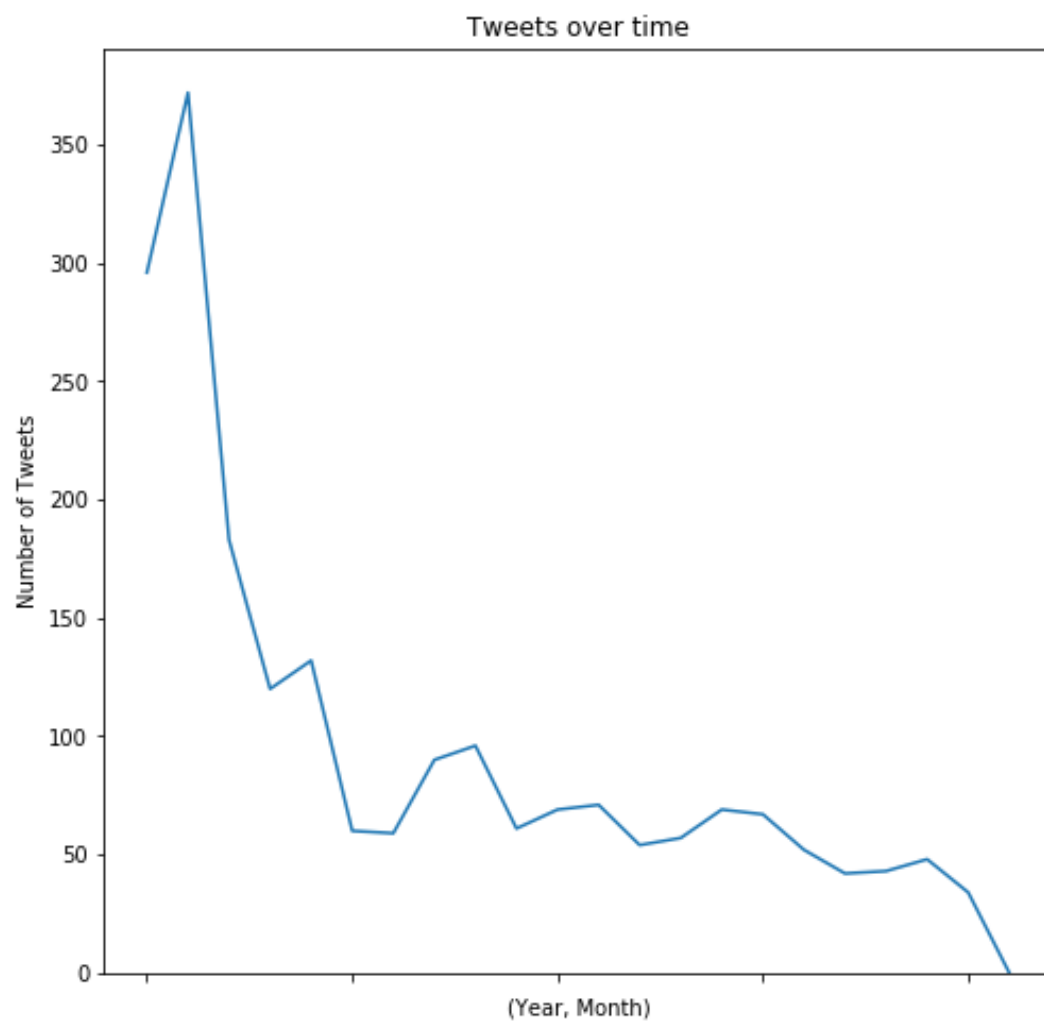
Figure 8