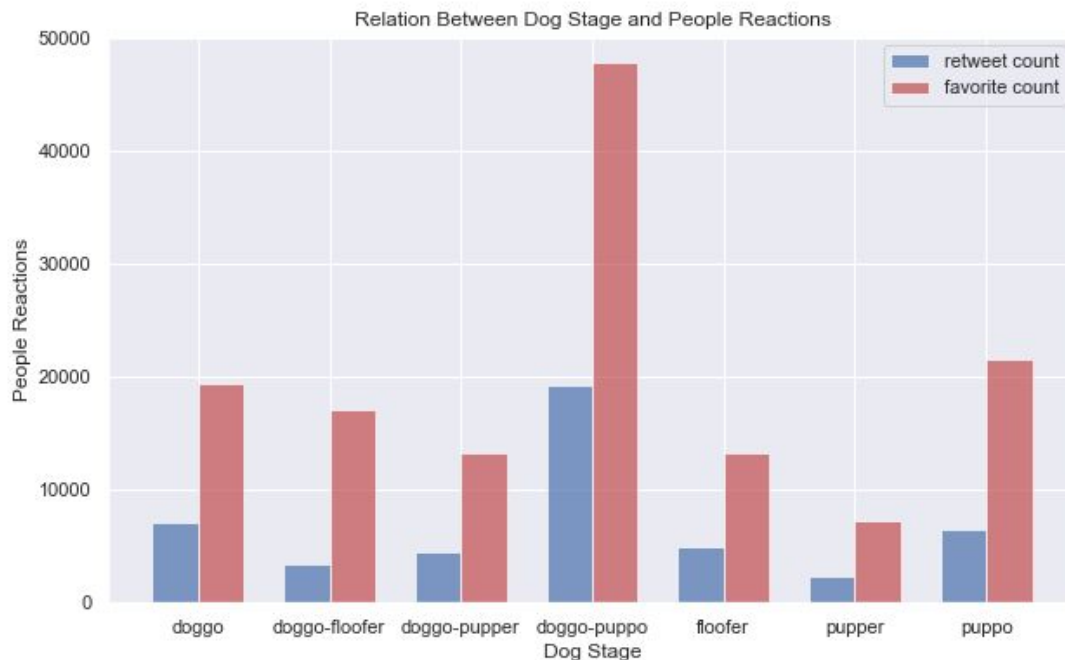


# Insights and Visualizations

In this document we will see some insights and visualization on the data analysis of @WeRateDogs twitter account.

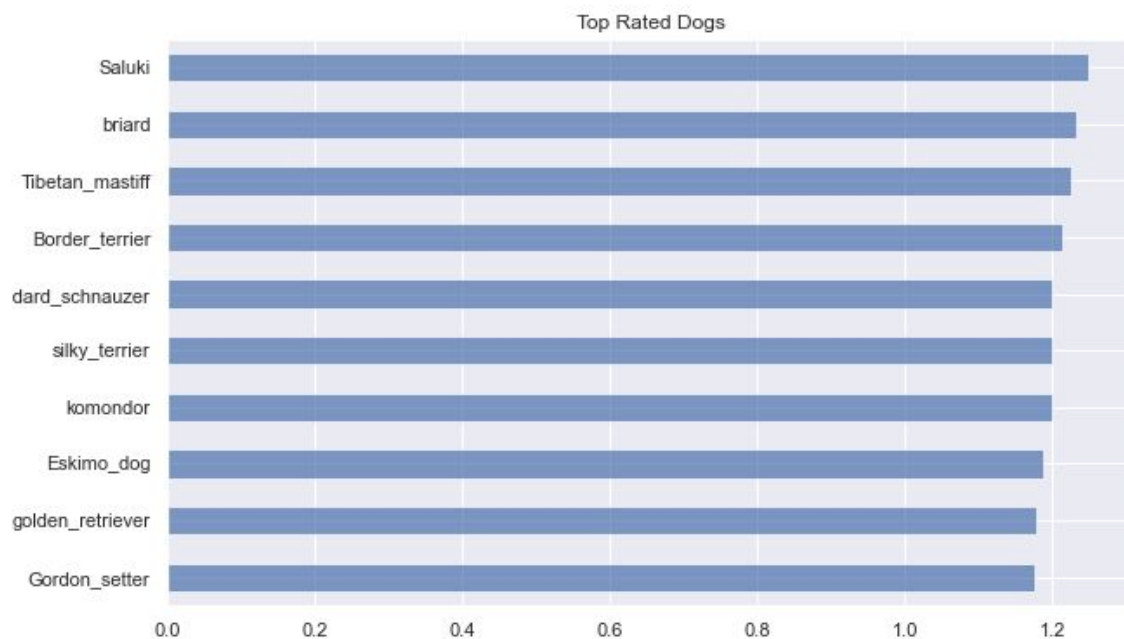
First we will look at the relationship between the age group of the dog and people's reactions. I thought first that people would be more biased towards young dogs or puppies. But people seem to react more with older dogs especially in their doggo-puppo stage as you can see in this chart. The average favorites a doggo-puppo dog gets is between 40,000 to 50,000.



Before moving to the next insights, I had to make some changes to increase the accuracy of the results and get a feeling of the confidence level in my conclusions. So I dropped the rows with false results in p1\_dog and p2\_dog in the df\_images dataframe, and merged it with the df\_archive dataframe to form only a df\_master dataframe.

The next thing I did and as these next insights depend heavily on the image prediction dataset and actually because I depended on the p1\_conf in my calculations, which is the first and highest confidence level. So to get a feeling of the confidence level I had to get the average and standard deviation of p1\_conf. And found that the confidence level of the next insights is between 37.07% - 88.18%.

So, in this bar chart, we can see the top 10 rated dogs on @WeRateDogs and as we can see, the Saluki dogs are in the top of the list followed by the Briard dogs.



Also, when it comes to reactions from retweets and favorites, we can see the Saluki dogs in the top 10 of both charts.

For the most favorite dogs chart, Saluki is on the top of the list followed by the Komondor. And again Saluki is in the top 10 in the most retweeted dogs but in the 5th place and at the top of this list is the Standard Poodle then comes the Afghan Hound.

