

# Act Report on WeRateDog tweet

In this project, data of WeRateDogs Tweet were gathered, assessed, cleaned, and stored. Analysis based on the cleaned data was conducted and four insights were concluded.

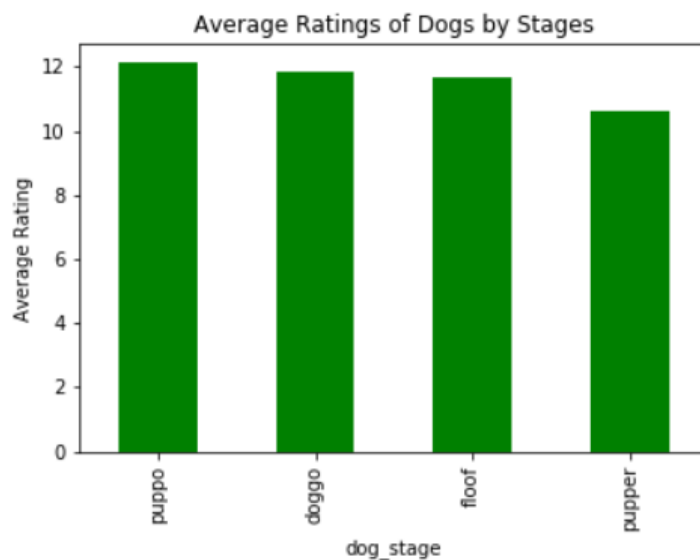
Here we studied four interesting questions as the following:

1. What is the most popular name(s) for dogs?
2. Which stage of dogs has the highest rating?
3. What breeds of dogs do people like most?
4. What is the relation between rating and favorite counts?

After investigating 1994 tweets, we obtain 913 unique names of dogs. In the table below, we see 'Charlie', 'Cooper', 'Oliver', 'Lucy', 'Penny', and 'Tucker' are the most popular names.

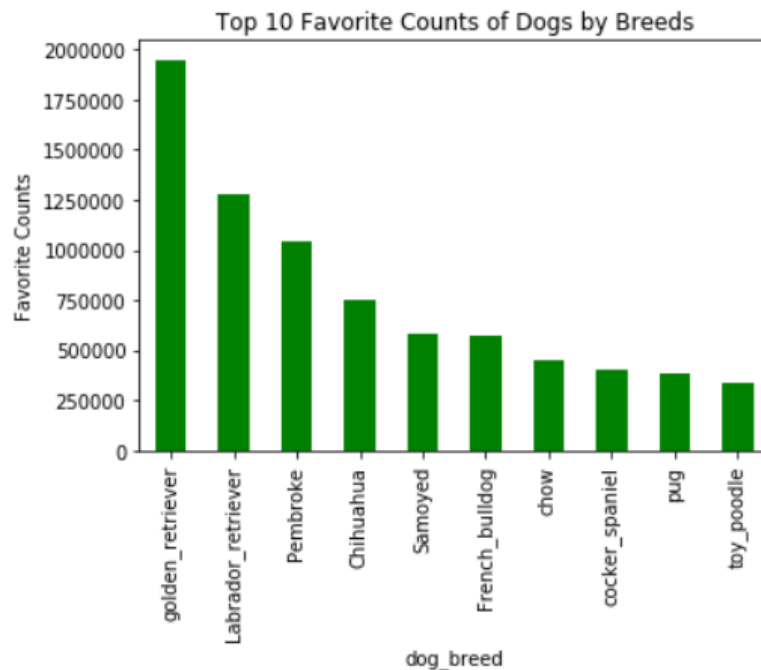
Dog Name	Counts
Charlie	11
Cooper	10
Oliver	10
Lucy	10
Tucker	9
Penny	9
Winston	8
Sadie	8
Toby	7
Lola	7

By averaging the rates of dogs at different stages, we plot a bar chart. As shown in the bar chart, 'puppo', in the transition between 'doggo' and 'pupper', earns the highest rate.

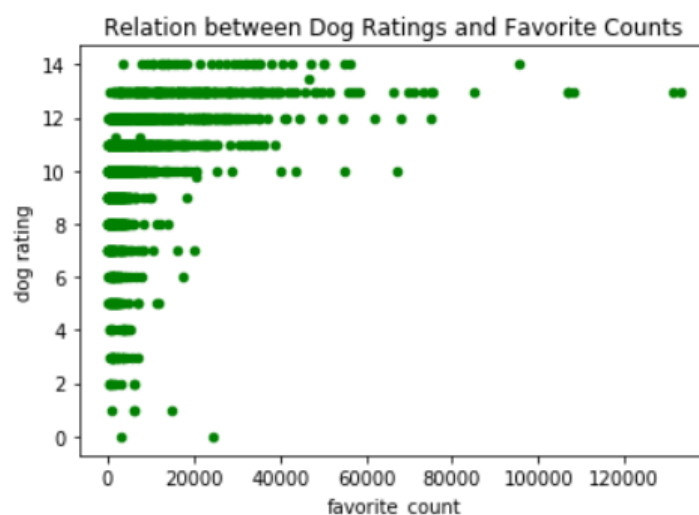


We also studied what breed of dogs are popular by investigating favorite counts of each breed.

As seen in figure below, golden retriever wins No.1. Top three breeds are Golden retriever, Labrador retriever, and Pembroke. They earn much more favorite counts than the rest breeds.



The relation between dog rating and favorite counts is the last question we are interested. As seen in the figure below, it has an obvious positive correlation between dog rate and favorite count. The higher the rates of dogs received, the more favorite counts of those dogs people gave. The high rates attract people to read those tweet and give their favorite count. On the other hand, more favorite counts the dogs received, higher rates the dogs earn. It could be explained that people's rating might be influenced by the counts of favorites.



As this data set contains plenty of information about many factors related to dog rating, more interesting insights and conclusions could be obtained by work in the future.