

# WeRateDogs Tweets Analysis and Visualization

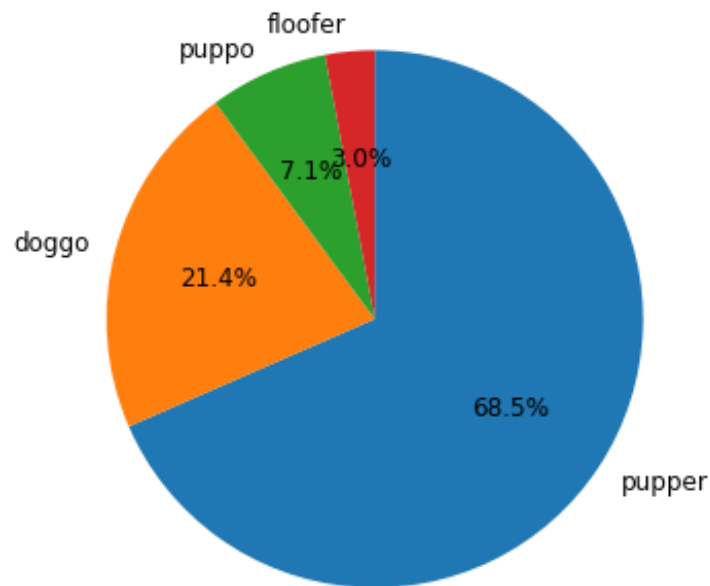
- **Introduction**

WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog.

After data wrangling stage, each tweet has a multiple information some of them are: Tweet text, dog rating, dog stage, dog breed, retweets and favorites counts.

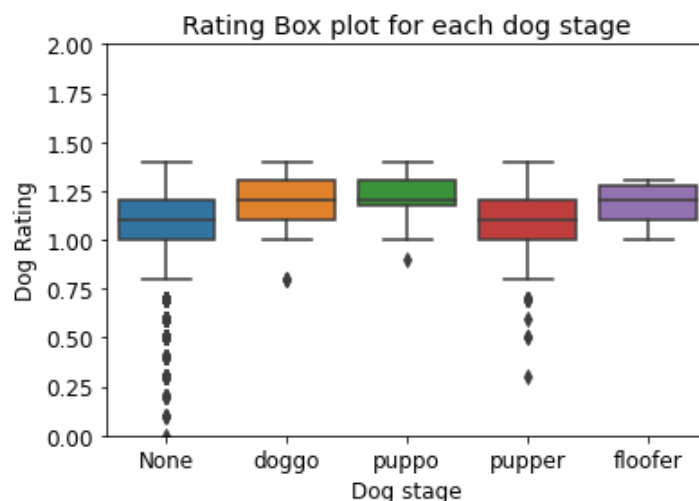
- **Dog stage analysis:**

Dataset contains have 2096 dogs ratings, dog stage of 336 of them is obtained, most of them are in pupper stage as shown in the pie chart below.



Dogs Stage distribution

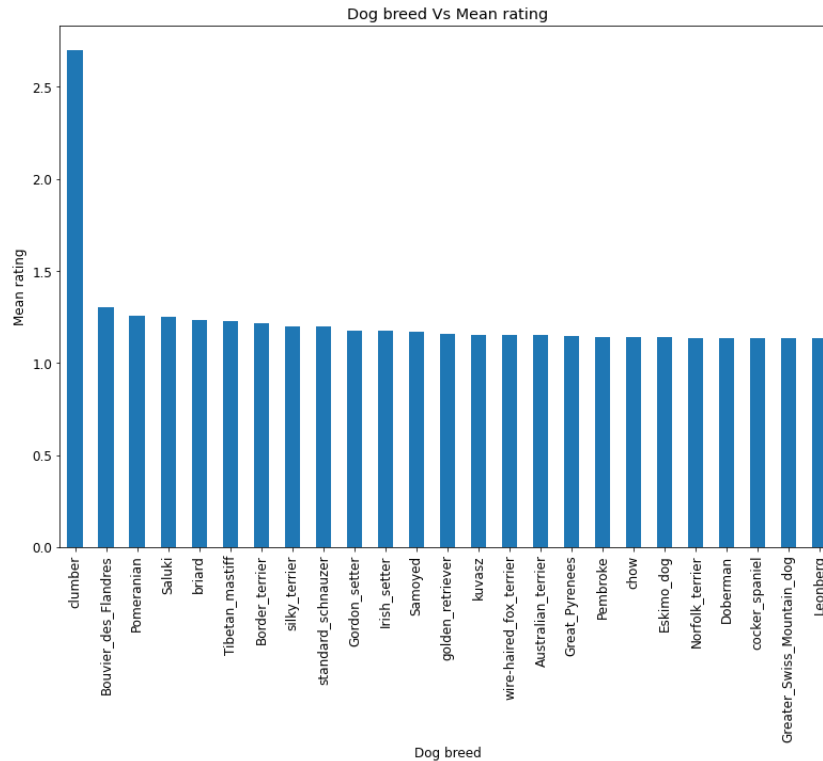
A rating box plot is drawn for each dog stage.



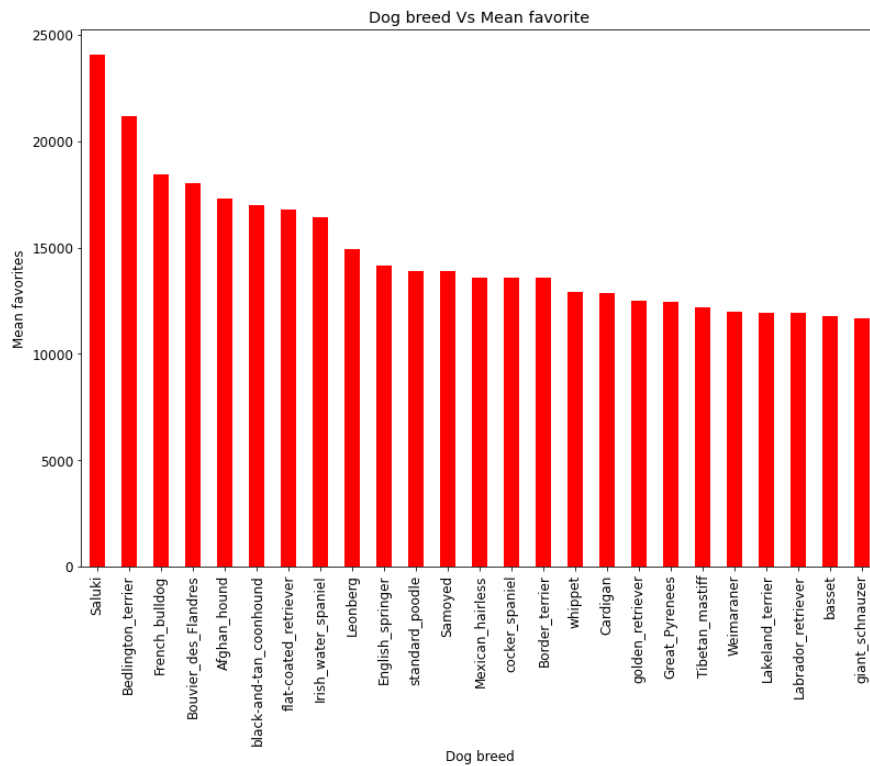
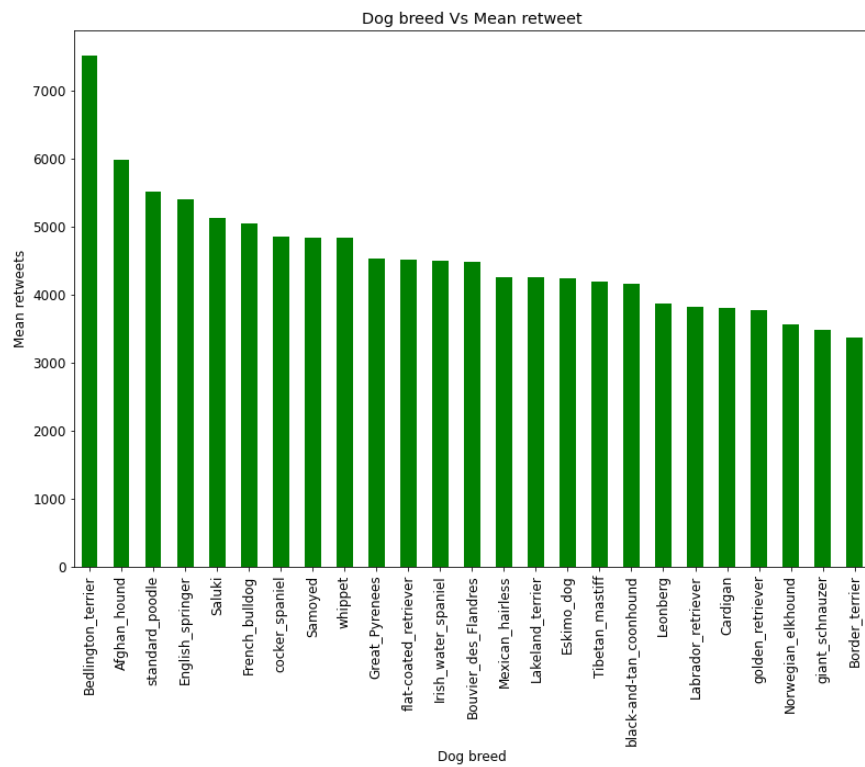
All stages have similar mean ratings, pupper has a wide range of rating values and floofer has the smallest rating range.

- **Dogs Breeds Analysis:**

Below there are three different plots to present the relationship between dog breed and dog mean rating, retweets counts and favorite counts respectively. Each plot shows only breeds with top 25 ratings, retweets or favorites.

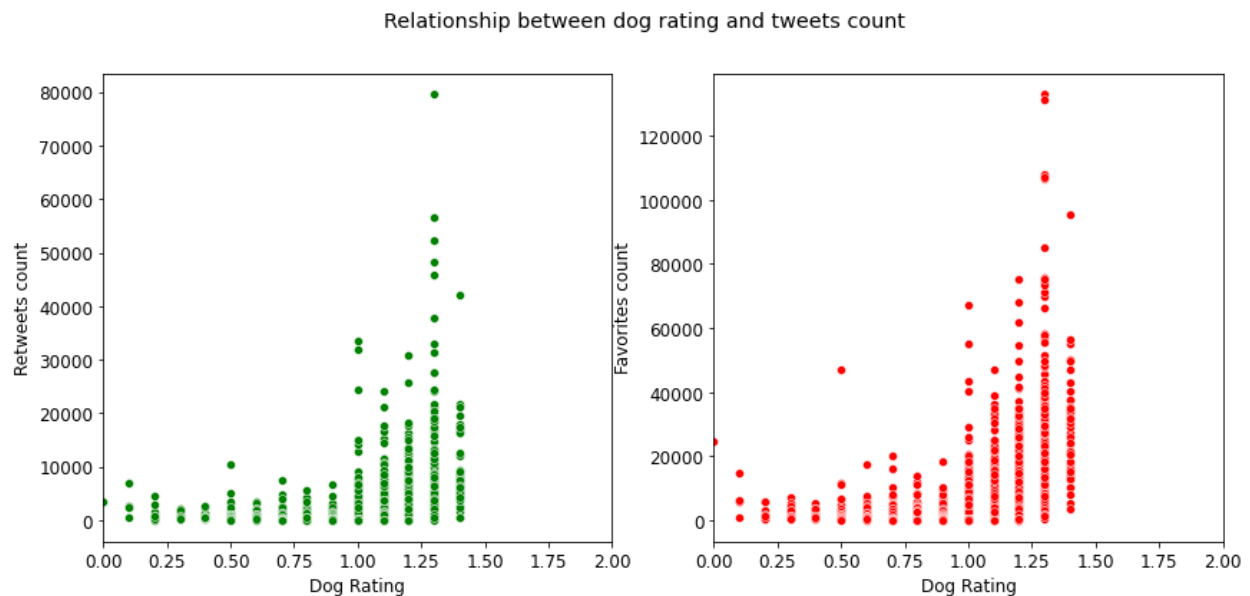


Clumber breed has a large mean rating with a big gap between its mean and other breeds means but after checking, this gap was come from wrong rating, other breeds have similar mean ratings.



Some breeds have high retweet and favorite counts means but this does not mean that these breeds always have high retweets and favorites because sometimes one widespread tweet increase the mean significantly.

- **Relationship between rating and tweet counts:**



As observed from the plot, high dogs' ratings have a better chance to get more retweets and favorites.

- **Conclusion**

There are three different measures can be used to measure dog popularity: dog rating, tweet retweets and tweet favorites.

Dog rating have wide range with an outlier of 177 value, most of the ratings are below 2, with the fact that 2 means that the rating is above 10 out of 10.

There is no characteristic which have significant effect on dog rating.

Tweets counts depend mainly on whether the tweet is widespread or not, not on dog breed or dog stage.