Data analysis and visualization report

This act report shows the data analysis and visualisation of WeRateDogs twitter data. The data have been gathered from three different sources, assessed, cleaned and merged into a single dataset.

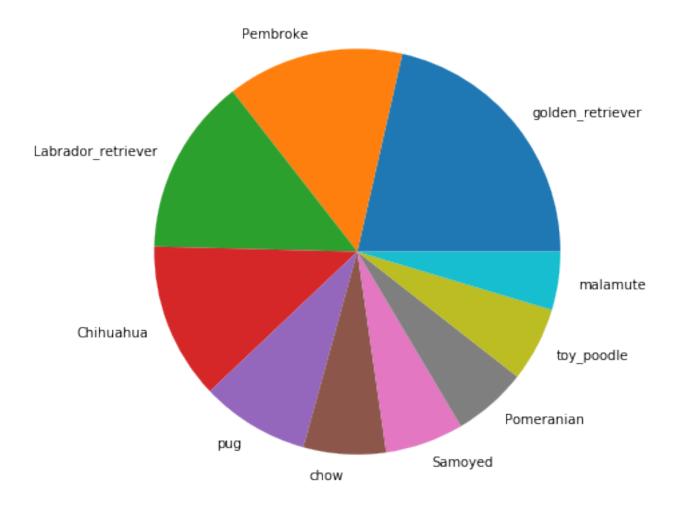
Before data analysis the following questions have been posed:

- What are the most common dog breeds?
- Which dog breeds have the highest rating?
- Which dog breeds have the highest favorite counts?
- What dogs have the highest retweet count?
- What is the relationship between favorite and retweet count?
- Which dog stages are associated with the highest favorite and retweet counts?

Most common dog breeds

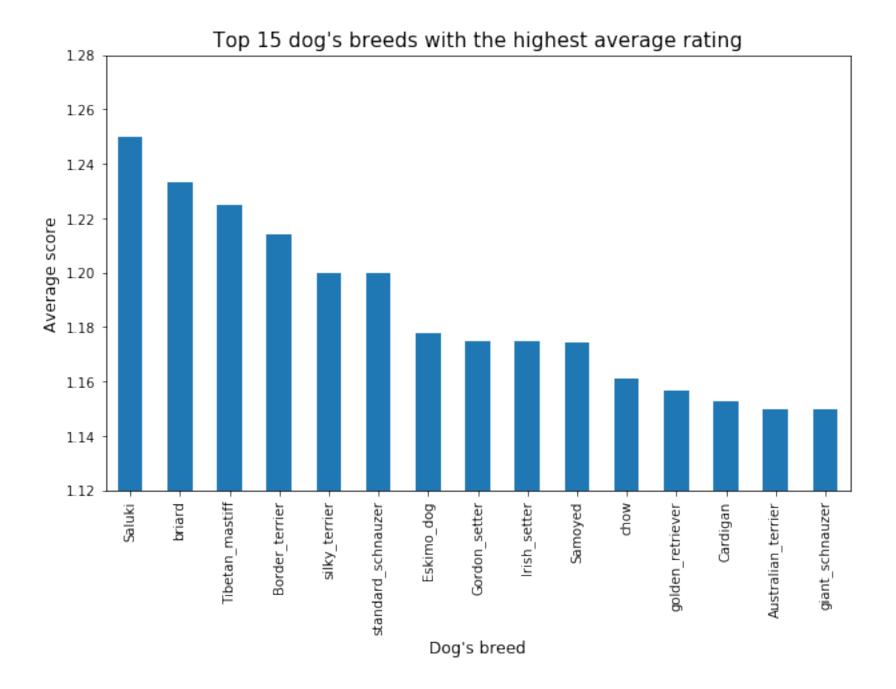
This pie chart shows the 10 most common dog breeds. We can see that golden retvier is the most common dog's breed, following by Labrador retriever, pembroke and chihuahua.

10 most common dog breeds



Dogs with the highest rating

This chart shows top 15 dog breeds, which received the highest average rating. It can be seen that Saluki has the highest average rating, followed by briard and Tibetan mastiff.



Dogs with the highest favorite count

This chart shows top 15 dog breeds, which have the highest favorite count. Saluki again has the highest favorite count, followed by French bulldog.

Top 15 dog's breeds with the highest favourite count 24000 22000 20000 Favourite count 18000 16000 14000 12000 10000 Great_Pyrenees French bulldog giant_schnauzer black-and-tan_coonhound Irish_water_spaniel English_springer Afghan hound standard_poodle Cardigan Leonberg Eskimo_dog Lakeland_terrier flat-coated_retriever Dog's breed

Dogs with the highest retweet count

Standard poodle has the highest retweet count.

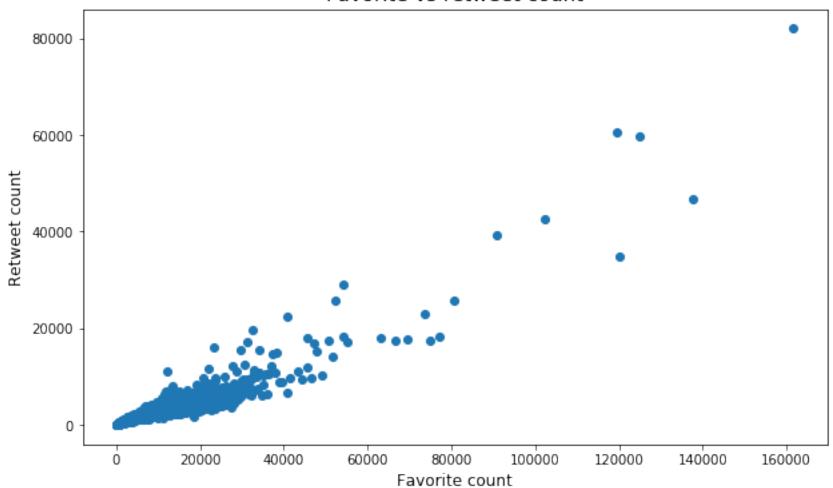
Top 15 dog's breeds with the highest retweet count 6000 5500 Retweet count 5000 4500 4000 standard poodle Saluki Cardigan Samoyed Irish_water_spaniel Afghan_hound Eskimo_dog Great_Pyrenees Tibetan mastiff English_springer French_bulldog flat-coated_retriever giant_schnauzer Lakeland_terrier black-and-tan_coonhound

Dog's breed

Favotite vs Retweet count

Favorite and retweet count have a strong positive relationship.

Favorite vs retweet count



Favotite vs Retweet count for each dog stage

The bar chart below shows the average favorite and retweet count for each dog breed. Overall, the favorite count is higher that retweet count for all dog stages. It can be also observed that doggo and puppo have the highest favorite and retweet counts, while pupper have the lowest both favorite and retweet counts.

Average favorite and retweet count for each dog stage

