

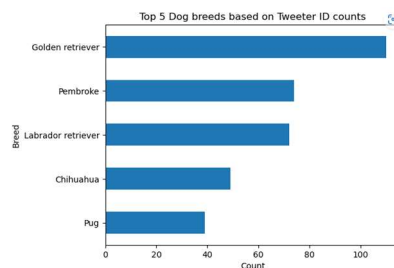
Data Wrangler project: Analysis

The purpose of this project is to gather, assessed and cleaned the WeRateDogs Twitter data to create robust analyses and visualizations. This process is called data wrangling. Additional sources in a variety of formats are also wrangled to complement analysis. Following the three datasets used in this project.

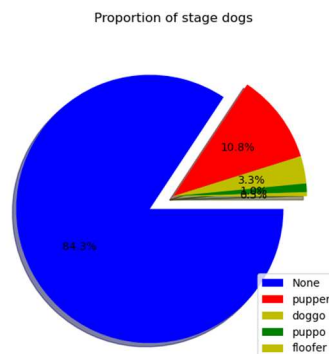
- Enhanced Twitter Archive(tweet_file)
- Additional Data via the Twitter API(tweet_json_fil)
- Image Predictions File(prediction_image)

After gathering, assessing, cleaning, and storing the data, an analysis focus on answering the question of the most popular and favourite dogs breeds is undertaken.

The most popular breeds based on the twitter counts are. The most popular dog breed type are Golder retriever, followed by Pembroke and Labrador retriever.



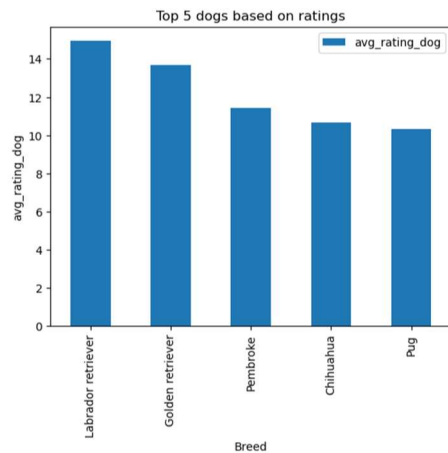
The most popular stage dogs are unknowns. It seems the data is not complete to answer this question as around 84% of the tweets do not contain information on the type of dog stage.



The average rating of dogs is 12.5. Rating over that would be considered high.

```
count    2028.000000
mean      12.255917
std       41.124189
min        0.000000
25%       10.000000
50%       11.000000
75%       12.000000
max       1776.000000
Name: rating_numerator, dtype: float64
```

The dog with the highest rating are Labrador retriever, followed by Golden Retriever. This is not consistent with the previous discovered based in the Twitter ID counts.



	breed	avg_rating_dog
5	Labrador retriever	14.930556
6	Golden retriever	13.690909
24	Pembroke	11.445946
58	Chihuahua	10.673469
77	Pug	10.333333

However, the most favourite image is for Lakeland terrier.



Conclusion

This project involves gathering, assessing, cleaning and storing data to analyse the @dog_rates Twitter account.

It is observed that the most popular breeds are Golden retriever, Pembroke and Labrador Retriever based on the tweet ID counts and Tweeter ratings. However, However, the most favourite image is for Lakeland terrier.