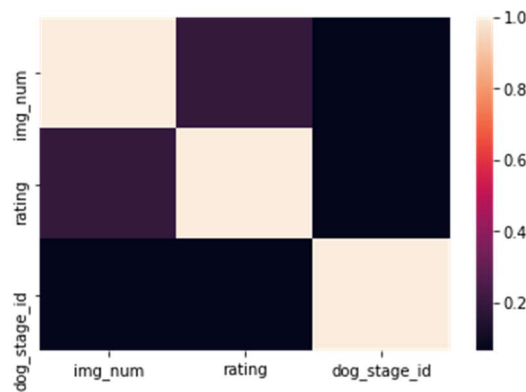


ANALYSIS AND VISUALIZATION REPORT

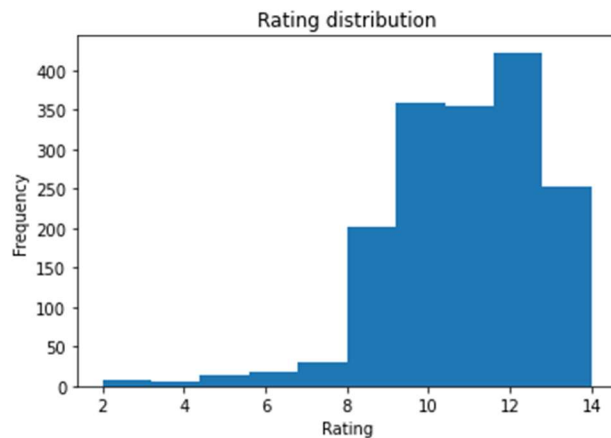
From the data, we observed from initial wrangling that there existed serious issues of irregularity in the rating numerator and rating denominator, resulting in values in the normalized rating column having the issue of values greater than the value 10, which ought to be the maximum allowable value. Therefore, from the output, it was discovered that a whopping 63% of all the tweet analyses had a wrong rating value greater than the maximum required values, and this expressed the need for the adoption of a strict standardized and restrictive rating input to prevent the occurrence of the said problem.

It was necessary to know which dog breeds were highly ranked for the various dog stages. It was observed that for doggo stage dogs, 'Pembroke', 'standard_poodle', 'Bedlington_terrier', 'Irish_setter', and 'Labrador_retriever' were the five most highly rated of all the dog breeds. For floofer stage dogs, 'chow', 'Samoyed', 'golden_retriever', 'wire-haired_fox_terrier', and 'English_springer' were the five highly rated all the dog breeds. For puppy stage dogs, 'Samoyed', 'Irish_setter', 'golden_retriever', 'black-and-tan_coonhound', and 'Pomeranian' were the five most highly rated of all the dog breeds. For puppo stage dogs, 'Rottweiler', 'Pembroke', 'Italian_greyhound', 'Cardigan', and 'German_shepherd' were the five most highly rated of all the dog breeds, and lastly for unclassified stage dogs, 'bloodhound', 'Pembroke', 'golden_retriever', 'Labrador_retriever', and 'French_bulldog' were the five highly rated of all the dog breeds. Also, irrespective of dog stages, 'Japanese_spaniel', 'soft-coated_wheaten_terrier', 'Scotch_terrier', 'Walker_hound', and 'Tibetan_terrier' were the five lowest-rated dog breeds.

It was also seen that there appears to be no significant relationship between dog stage and rating as seen in the heat map but is higher for the relationship between the number of images to the rating.



We can see the distribution of the rankings with a majority of the ratings received between 10 and 12.



Other visualizations also depict the mean ratings for the top 10 highly ranked dog breeds and also the mean ranking for the bottom 10, lowest-ranked dogs.

