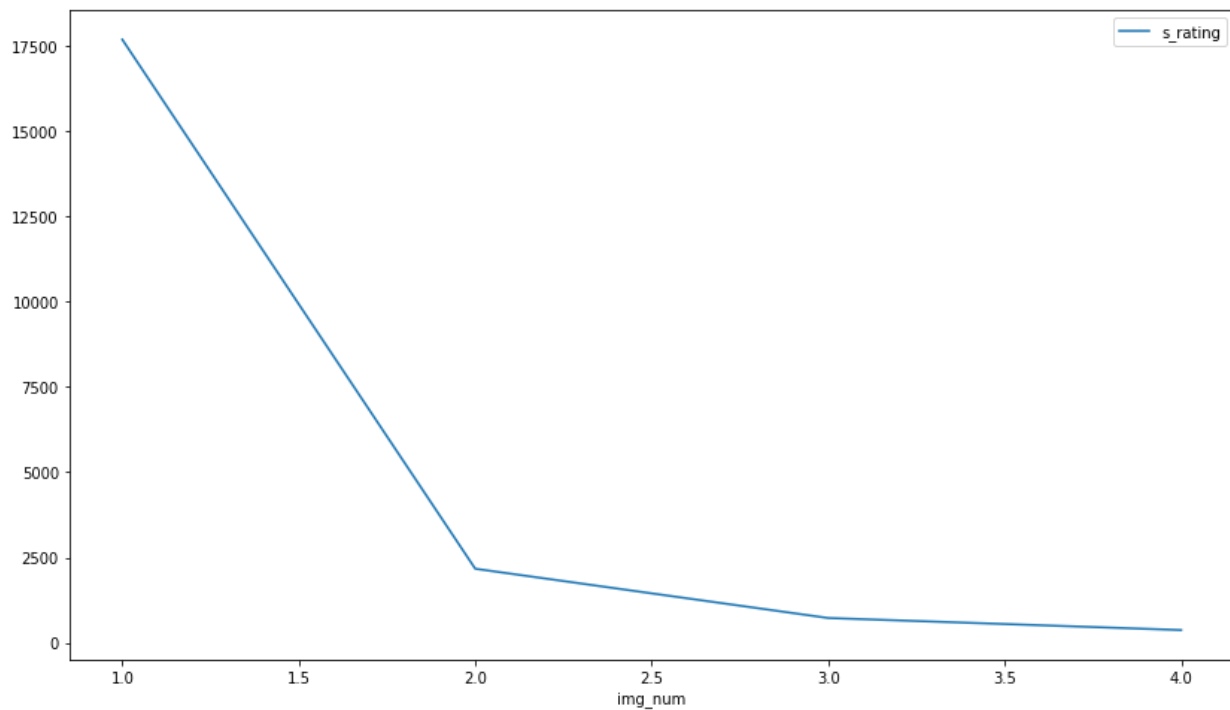# act_report

October 2, 2022

1. Introduction

In this report, I would be communicating the insights I was able to get from the wrangling and analysis of data from the twitter handle @dog_rates also known as WeRateDogs.

The data consists of the downloaded archive of the handle, image prediction file of the images in the tweets contained in the archive as well as the data from twitter API which contains the number of retweets and likes/favorites of each tweet. There are 1988 tweets in the final dataset and these tweets were examined with 22 items.

2. Visualization and Insights

The line graph below represents the number of images uploaded with each tweet. While the pie chat categorized the standardized ratings (s_rating) bases on the number of images.

Legend (s_rating):
- (1, 10.0)
- (1, 12.0)
- (1, 11.0)
- (1, 13.0)
- (1, 9.0)
- (1, 8.0)
- (1, 7.0)
- (1, 5.0)
- (1, 6.0)
- (1, 14.0)
- (1, 3.0)
- (1, 4.0)
- (1, 2.0)
- (1, 1.0)
- (1, 0.0)
- (1, 6.363636363636362)
- (2, 12.0)
- (2, 11.0)
- (2, 10.0)
- (2, 13.0)
- (2, 9.0)
- (2, 8.0)
- (2, 14.0)
- (2, 6.0)
- (2, 7.0)
- (3, 12.0)
- (3, 13.0)
- (3, 10.0)
- (3, 11.0)
- (3, 14.0)
- (3, 0.0)
- (3, 8.0)
- (3, 8.181818181818182)
- (3, 9.0)
- (4, 13.0)
- (4, 12.0)
- (4, 11.0)
- (4, 14.0)
- (4, 10.0)

It is shown by the line graph that above that about 80 percent of the tweets contain only one image.

Also, in the pie chat, it appears that tweets with only one(1) image are rated higher that those with multiple images.

The following histogram takes a look at how frequent @dog_rates tweets.

This shows that the highest volume of tweets was within the first three months, where we have an average of 8 tweets per day.
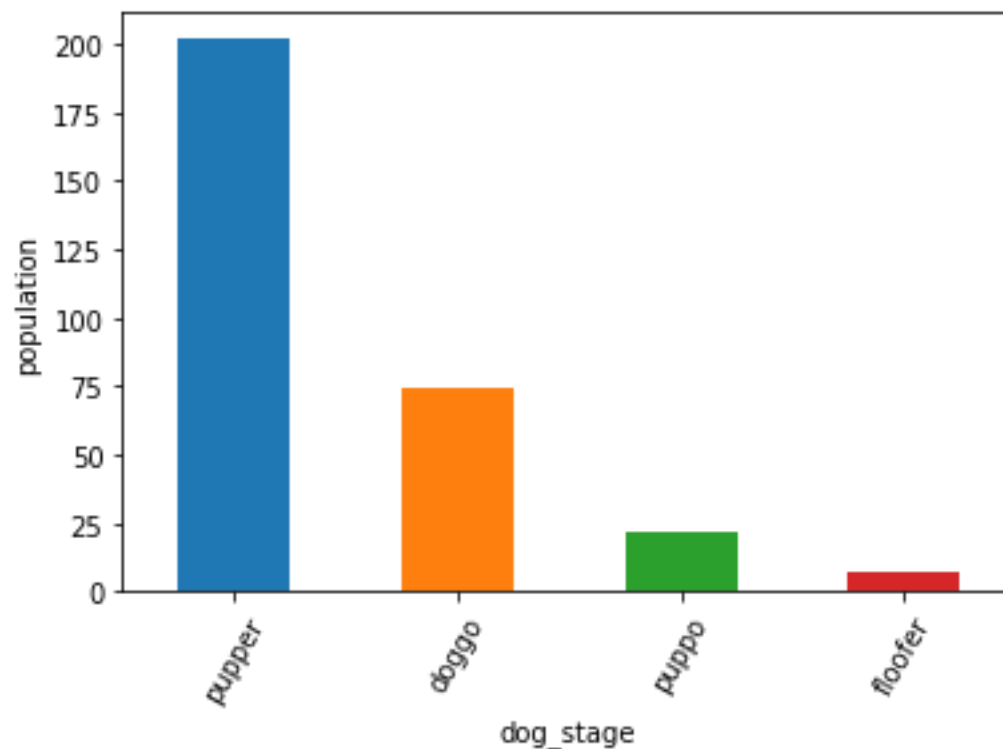
The above chart represents the population of each dog stage in the dataset.

It shows that the most popular dog stage in the dataset is the pupper and the least popular is the floofer, neglecting those whose stages were not mentioned.

3. Conclusion

After my analysis of the WeRateDogs dataset, I could point out the following;

1.) Above 80 percent of the tweets contain only one image.

2) It appears that tweets with only one(1) image are rated higher that those with multiple images.

3) The highest volume of tweets was within the first three months with an average of 8 tweets per day.

4) Neglecting those whose stages were unknown, the most popular dog stage in the dataset is the pupper and the least popular is the floofer.

In conclusion, I will say that WeRateDogs(@dog_ratings) is doing a great job, as one could check out the blog when considering which type and breed of dog to acquire.

4. Recommedations

Based on my analysis, I will give the following recommendations;

- a quality image should always be uploaded, especially when using only one, as the image prediction algorithm could not recognize some images as dogs, although the confidence level is low.

- there is need for @dog_ratings to increase its coverage area as reduction in the number of tweets might be as a result of not receiving enough requests which might be because most dogs in the coverage area has been captured.