Data Analysis

Act Report

Reported by:

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A. Overview

The data variables such as the stages of the dog, number of images in the tweet and the breed of the dogs have been analyzed with respect to three main measurement factors: rating, number of favorites and number of retweets


B. Analysis

Descriptive analysis

The shown table indicates the descriptive analysis for the three data measurement factor

|	retweet_count	favorite_count	rating
count	1844.000000	1844.000000	1844.000000
mean	2570.094902	8512.931128	1.268601
std	4260.753070	11512.073064	4.311088
min	16.000000	81.000000	0.600000
25%	619.000000	2024.000000	1.000000
50%	1335.000000	4041.000000	1.100000
75%	3014.000000	10715.500000	1.200000
max	79515.000000	132810.000000	177.600000

The relation between the stage of the dogs and the measurement factors
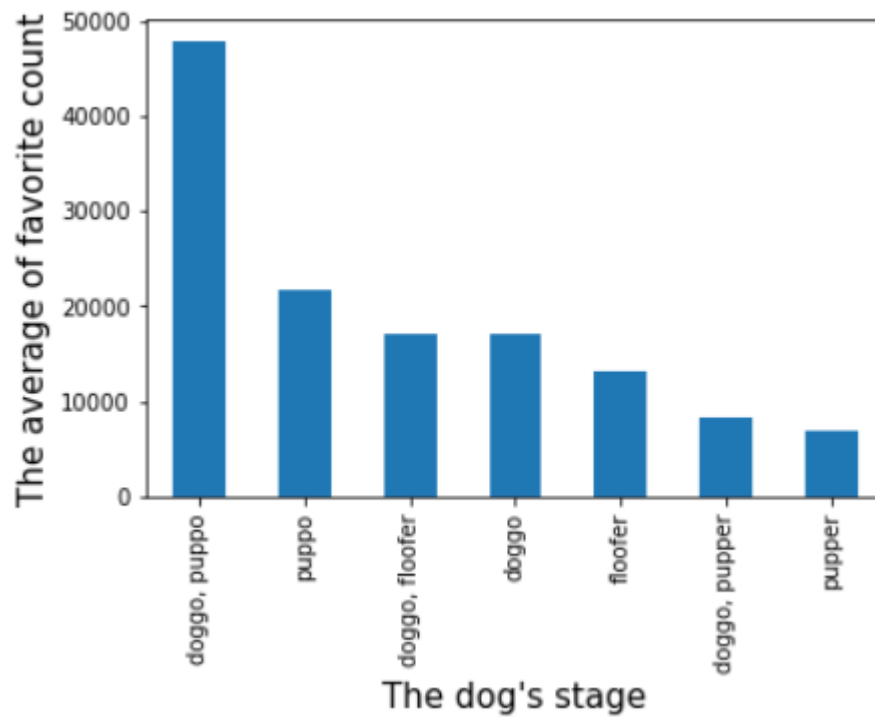
The effect of dog's stages on average of favorite count.
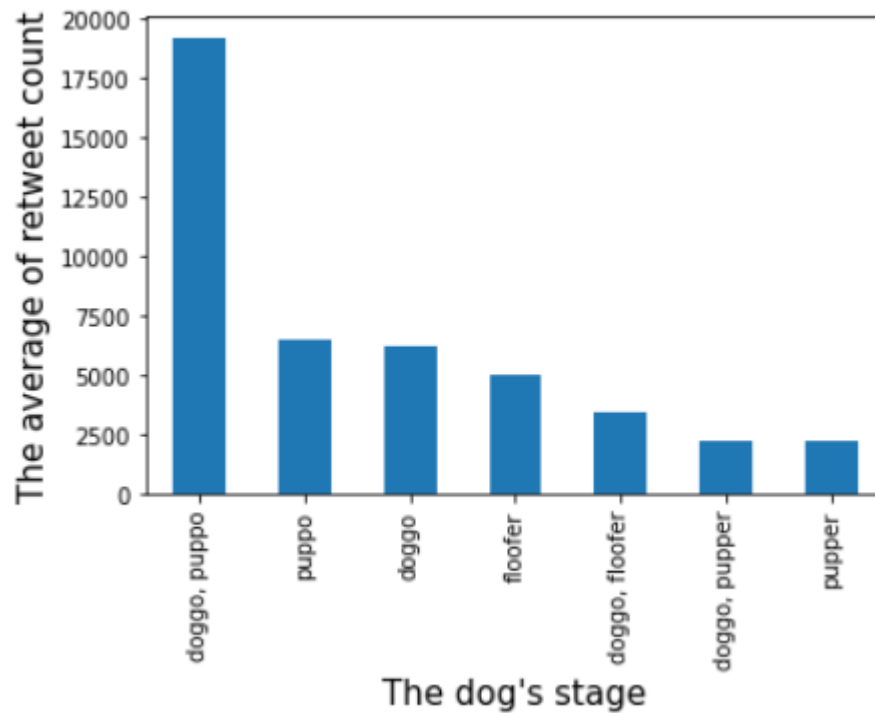
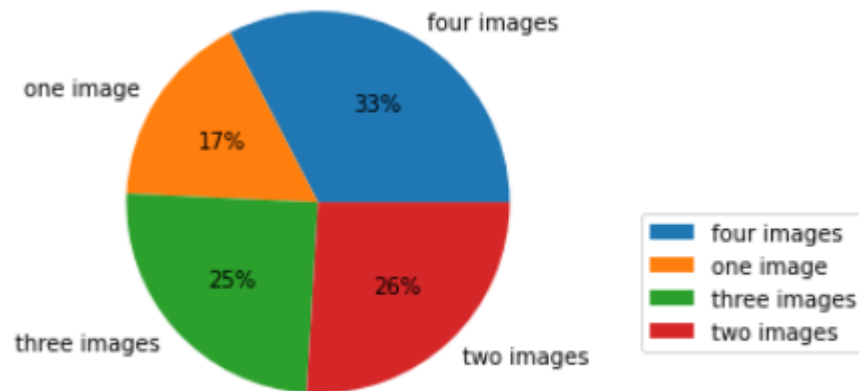The effect of dog's stages on average of retweet count
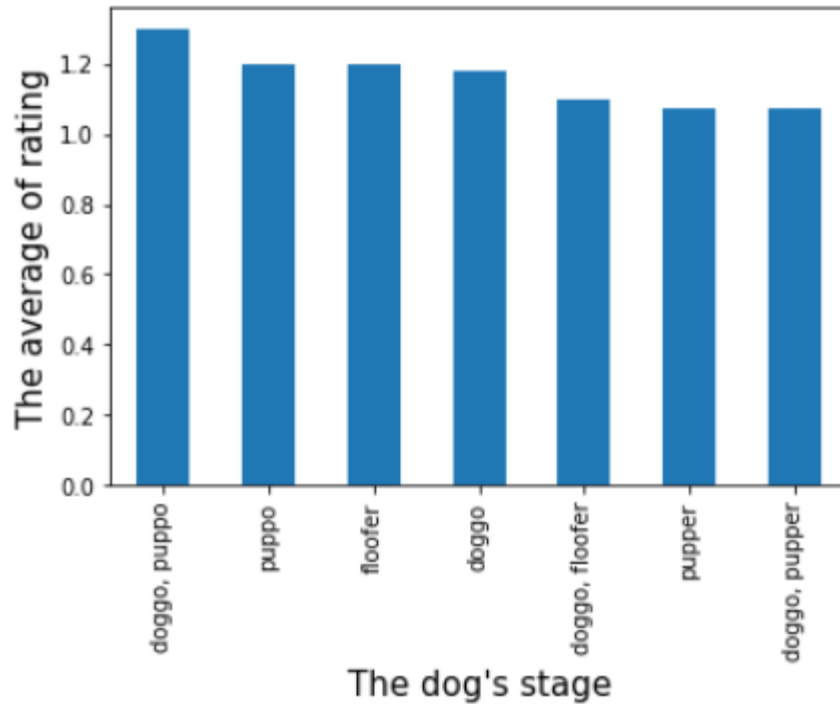
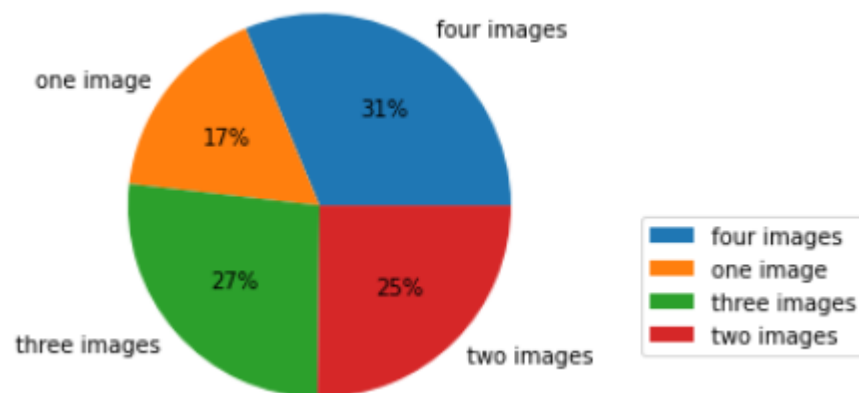The effect of dog's stages on average of rating

As shown in pie charts above, the tweets containing an image of dogs in doggo and puppo stages together were the most attractive tweets with respect to the average favorite and retweets. While in the average rating measure, although the doggo, puppo tweets gains the highest average rating but the difference is so small and all stages almost gain the same value.
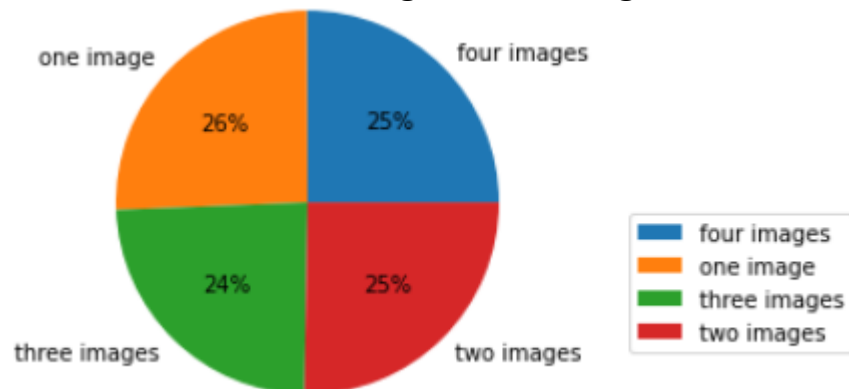
The relation between the number of images per tweet and the measurement factors

The effect of number of images on average of favorite count.

The effect of number of images on average of retweet count

The effect of number of images on average of rating

As shown in pie charts the increasing the number of images per tweet increases the average favorite and retweets. While in the average rating measure , the number of images has almost no effect.

The top-10 breeds of dogs
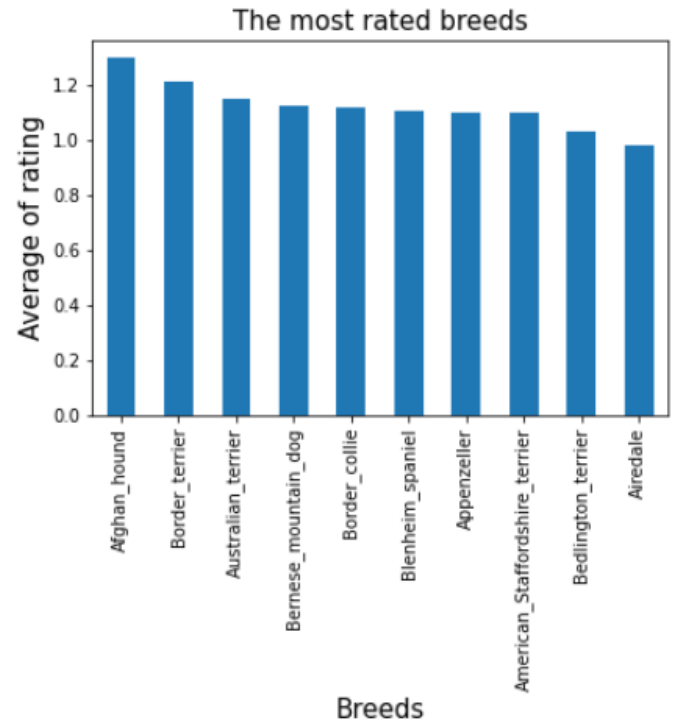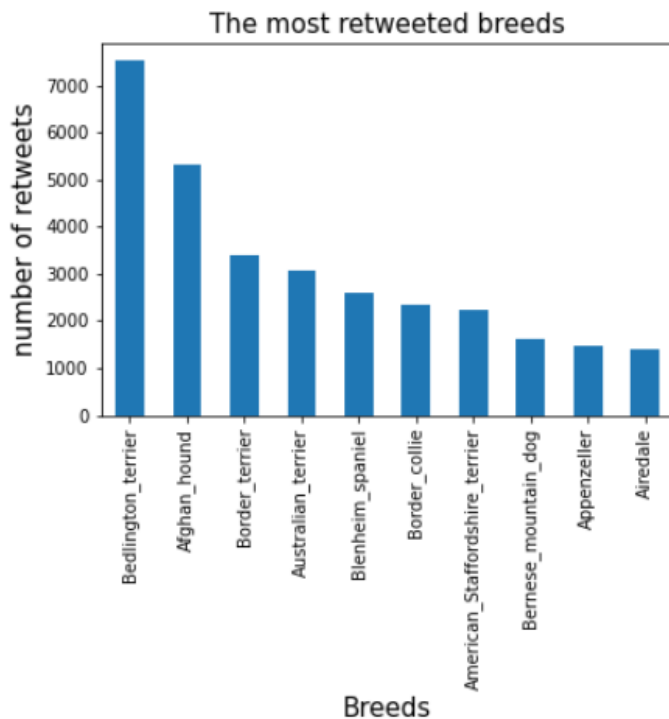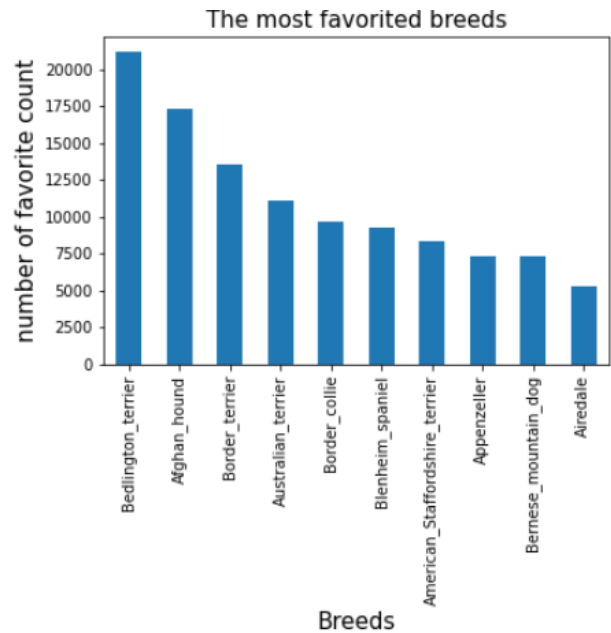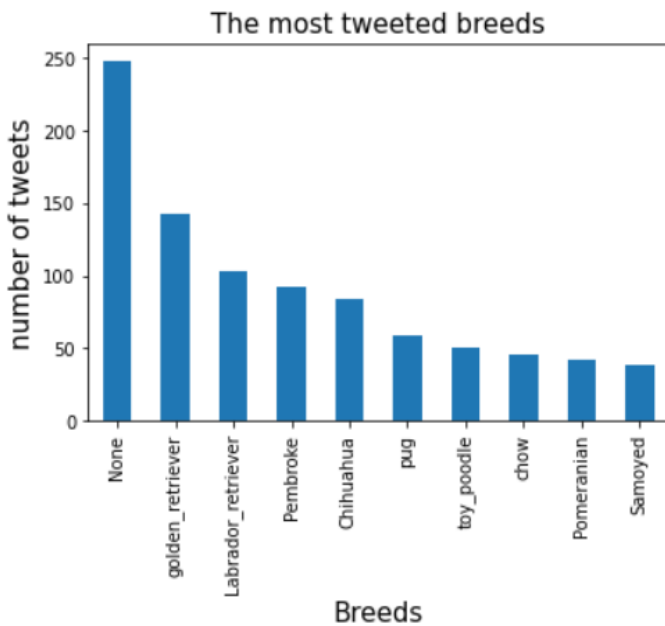
As shown in bar charts the golden retriever has the largest number of tweets, while Bedlington was the most breed of gaining favorites and retweets. With respect to the average rating, the top ten breeds almost have the same value.

Finally, the favorites and retweets affected by breed, stage or even number of images attached with the tweet, but the dog's lovers in average equally rating the dogs in tweets.