Act Report

Introduction

WerateDog is the famous tweet account that rate and comment humorously of people's dogs. After data wrangling, we are able to get a much cleaner dataset that pertains the WeRateDog tweet data.

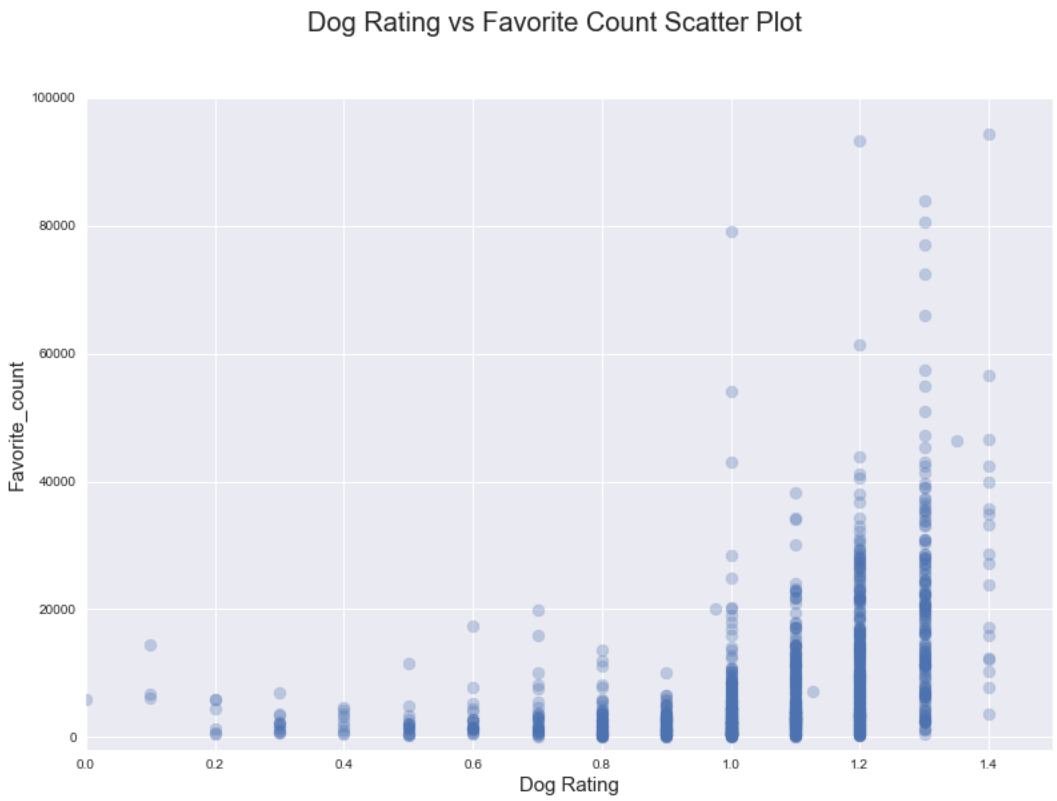
Analysis

To better understand the ratings, the new variable rating is created, which is the rating_numerator divided by rating_denominator. Following is the summary,

```
count    1263.000000
mean        1.225536
std         5.103176
min         0.000000
25%         1.000000
50%         1.100000
75%         1.200000
max       177.600000
Name: rating, dtype: float64
```

The average rating of 1263 dogs is 1.22, and the highest rating can reach to 177.6.

Further analysis with the rating and favorite count, can be reflected by the following plot.



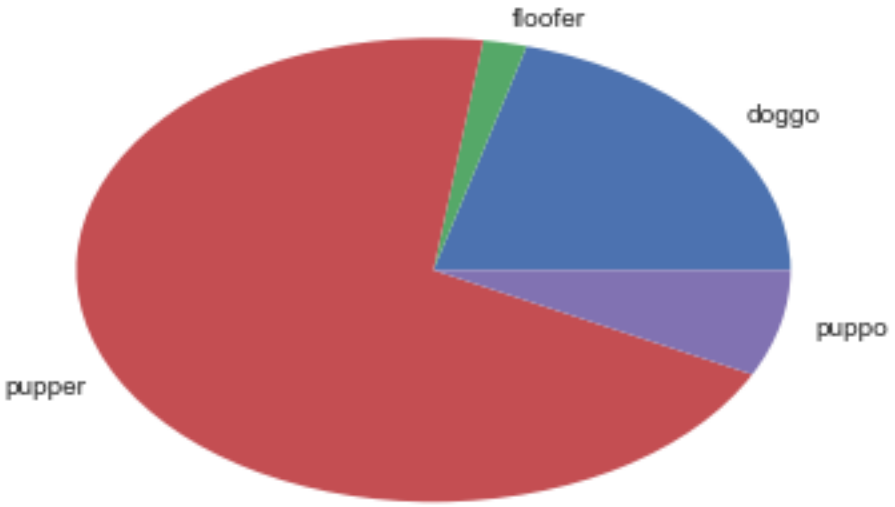
Quite obviously, the higher the rating the more likely will have a high number of favorite count. Noted that the outlier whose rating is 177 is excluded from the plot.

Dog stage analysis

When looking into the stages of dogs, we group the rating, favorite count and retweet_count by the stages, and it is found that 69.8% of the dogs are puppers. The statistics is shown below,

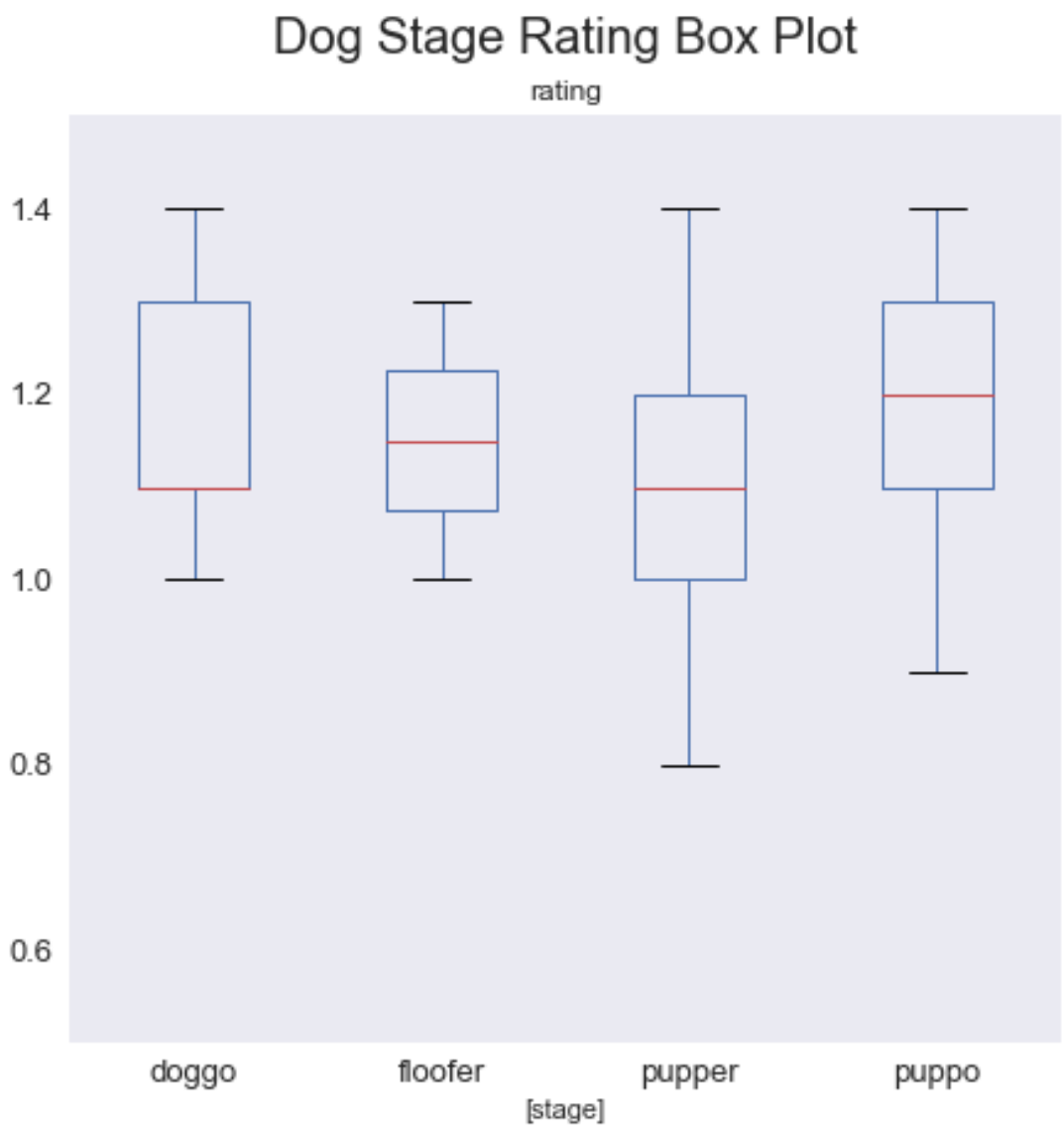
stage	count	median_rating	median_favoriate_count	median_retweet_count
doggo	42	1.1	10125.5	2698.5
floofer	4	1.15	4958	1793
pupper	141	1.1	3297	1242
puppo	15	1.2	9972	2975

Also as can be seen from the table, Doggo stage dogs have the highest median favorite count, and the highest median retweets. The pie chart below indicates the dogs count in these 4 stages.



Dog Rating Analysis

Rating of the dogs in different stages variate a lot, as can be seen from the following chart.



Puppo, which is the most popular dog stage, has the highest median rating, while pupper as the lowerest median rating. In addition, doggo and puppo are the top two stages of dogs that get higher ratings, which also reflected from the previous table, doggo and puppo stage dogs have the highest median favorite count and median retweet count.