

Udacity Project:

Wrangling and Analyzing Data

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Act Report - WeRateDogs Analysis

This project aimed to analyze data from the WeRateDogs Twitter account. On this account pictures of funny or cute dogs are published and rated. The analysis seeks to answer questions about rating numerator (most used rating and the maximum rating), which dog names are more popular, The relation between the retweets and favorites interactions, the most “Dog Stage” gets more favorite interactions and the most dog breed appeared in the “Image Prediction” data set ,

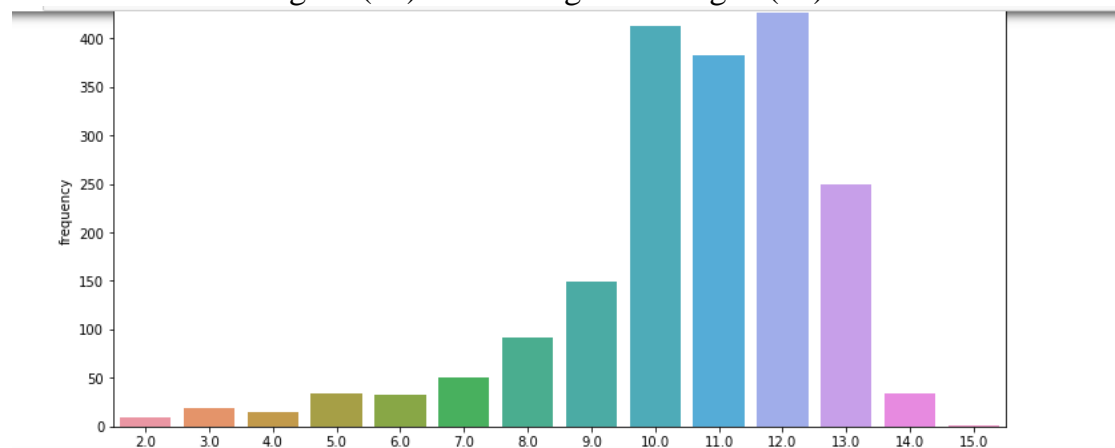
The analysis is based on three main elements:

1. The rating from WeRateDogs. A cute dog in a funny situation may achieve 15 out of 10 points. The unique rating system is a special characteristic of this Twitter account, although there are many illogical values in rating numerator and from my side of view I put the maximum rating to be 20 out of 10 to be more logical .
2. The second element represents the dog breed. Each picture was analyzed regarding the breed of the dog and other elements or things within the picture.
3. The third element is the interactions data of a tweet. The metrics “retweet and favorite count” indicate how well the audience liked a certain tweet respectively the dog picture. The higher the value, the more popular the Tweet has become.

Analysis and Insights

The following were analyzed within this act.

- Most count ratings is (12) and the highest rating is (15)



Ratings Counts

12.0 426

10.0 412

11.0 382

13.0 249

9.0 149

8.0 91

7.0 50

5.0 34

14.0 34

6.0 32

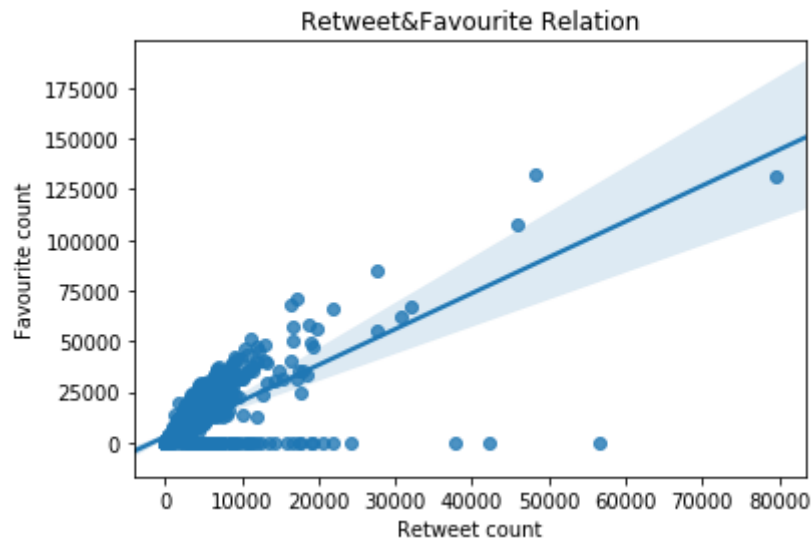
3.0 19

4.0 15

2.0 9

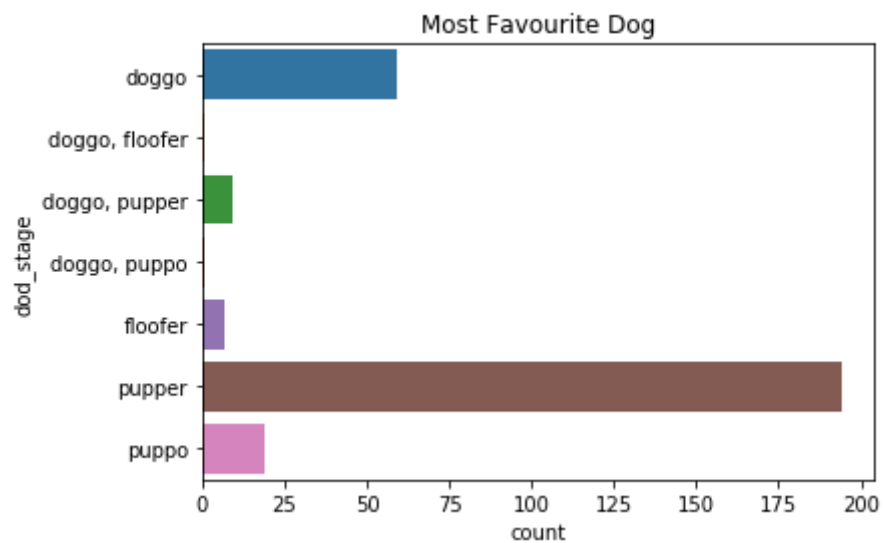
15.0 1

- The favorites and the retweets interactions are positive correlated



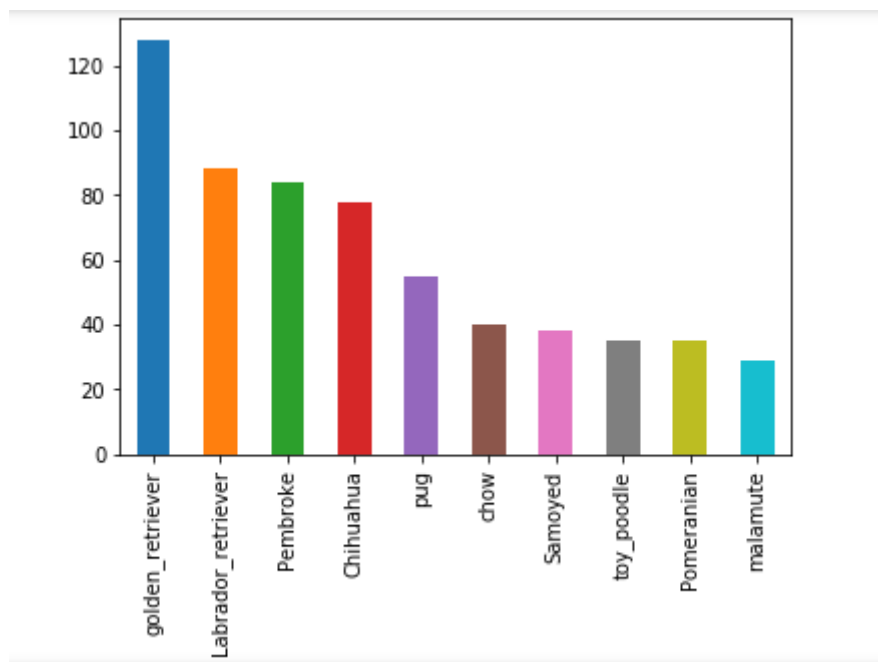
- The most Dog Stage gets more favorite interaction (more popular):
- The pupper is the most stage gets the most favourite interactions

Dog stage	favorite interactions
doggo	59
doggo, floofer	1
doggo, pupper	9
doggo, puppo	1
floofer	7
pupper	194
puppo	19



- The most dog breed appeared in the image predictions table :
- The most appeared dog breed in the image predictions is the (golden retriever) with 128 times and (Labrador retriever) is next by 88 times

Dog breed	Times appeared
golden_retriever	128
Labrador_retriever	88
Pembroke	84
Chihuahua	78
pug	55
chow	40
Samoyed	38
toy_poodle	35
Pomeranian	35
malamute	29



- Dog names that are more popular to use :
From analyzing and visualization appears that the most popular names used are (Lucy and Charlie)

Name	Time used
Lucy	10
Charlie	10
Tucker	9
Cooper	9
Penny	9
Oliver	9
Sadie	8
Winston	7
Daisy	7
Toby	7

