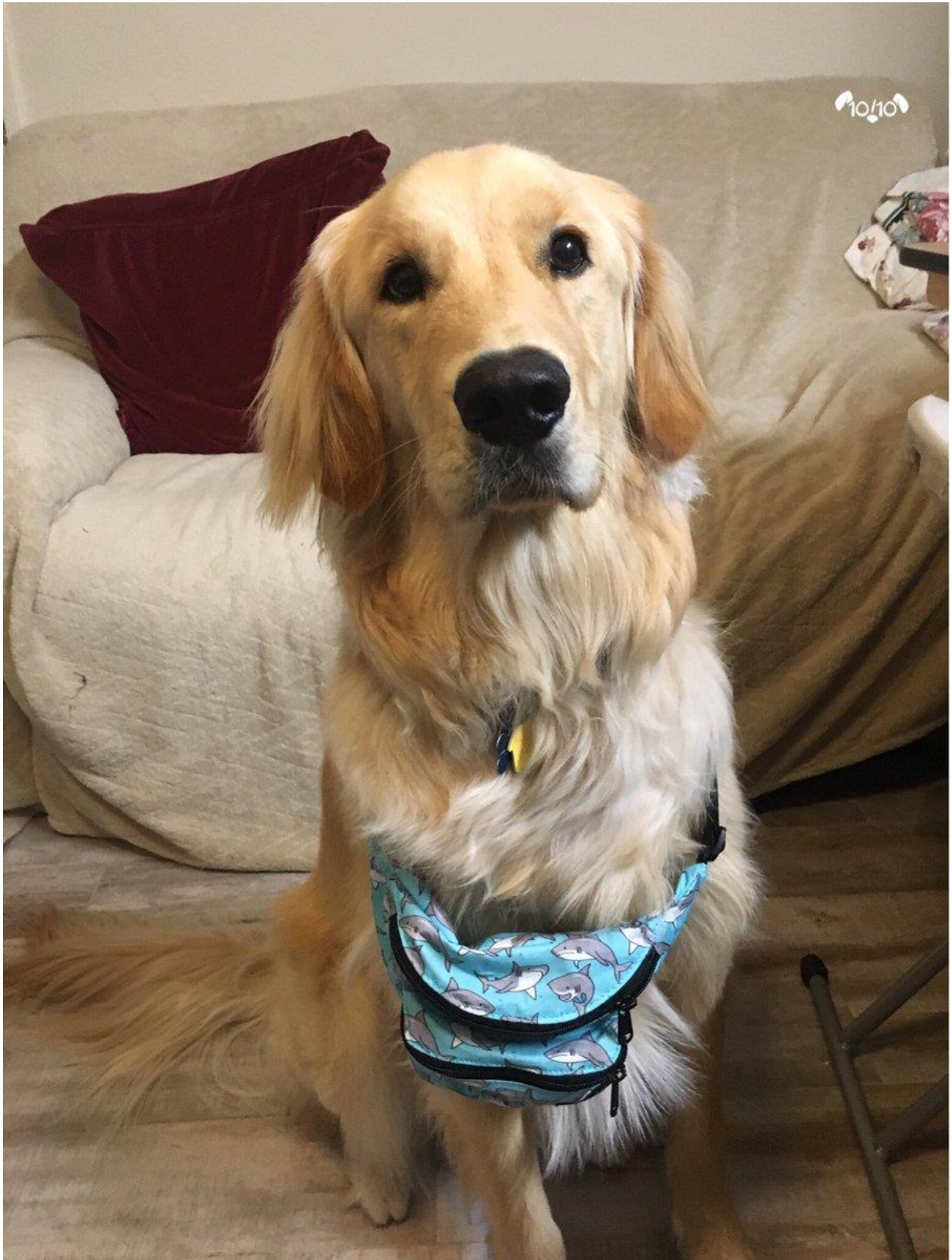


## Wrangle & Analyze Data Project



This report for analyzing, and visualizing data related to a Twitter account WeRateDogs that rates people's dogs with a humorous comment about the dog. In this analysis project, around 2000 records of dogs will be analyzed and found out the ranks of dogs' stages and breeds in terms of popularity, favorites, retweets, and the coloration between them.

This data analysis project will attempt to answers to questions that have been proposed:

### **Dog Stage:**

- Which dog stage has the highest favorites?
- Which dog stage has the highest retweets?
- What dog stage has the highest rating overall?
- What are Top 4 tweets with URLs which has the highest rating?

### **Dog Breed:**

- What breeds of dogs are the most popular?
- Which dog breed has more favorites?

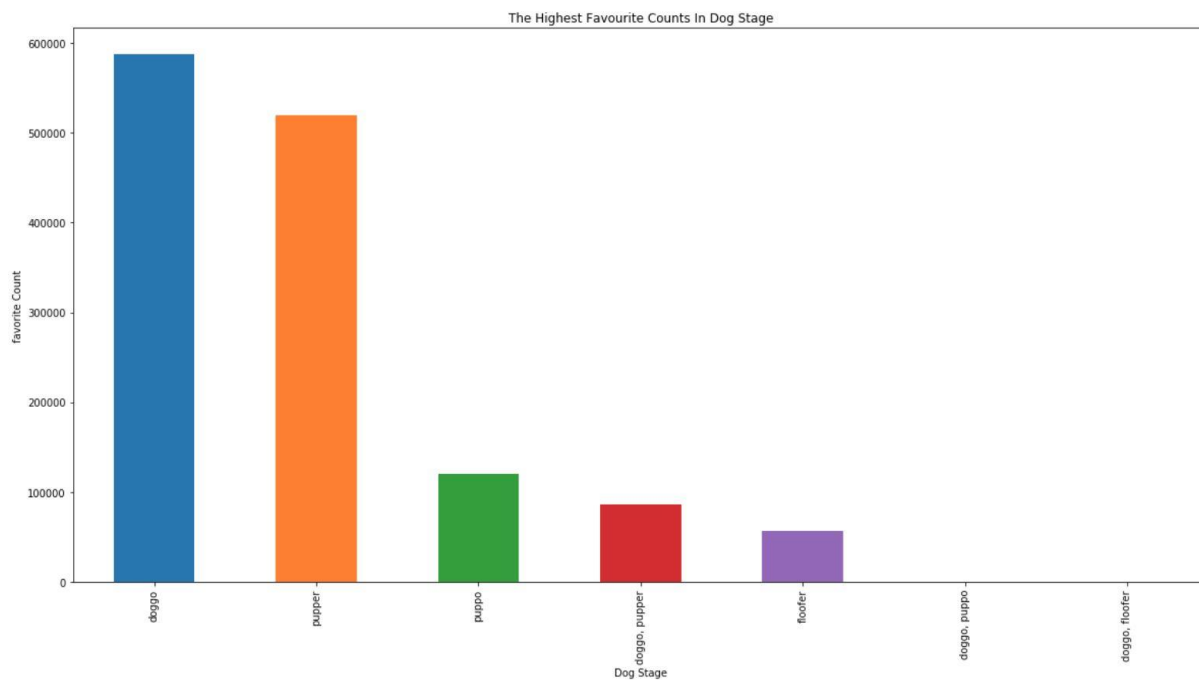
### **Coloration:**

- Which dog breed has more retweets? What is the relation between favorite\_count and retweet\_count?

## Dog Stage Analyze

### Which dog stage has the highest favorites?

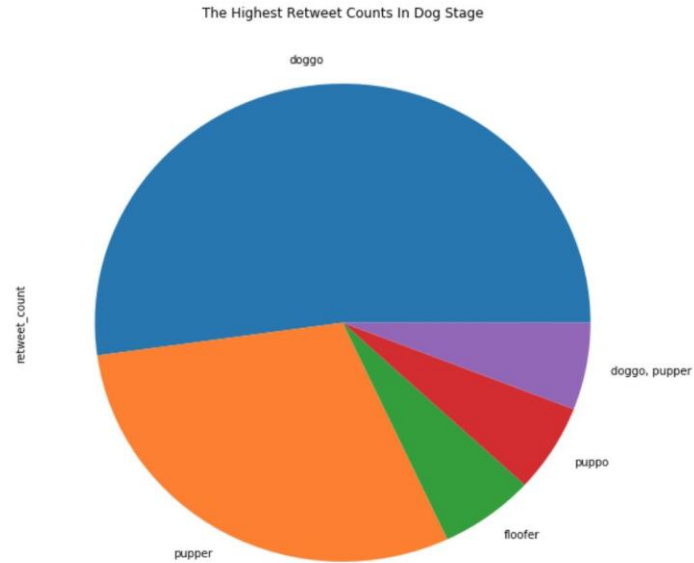
There are four types of dog stages in this analysis (doggo, floofer, pupper, and puppo) and found that the highest stage in the number of favorites is a Doggo stage as shown below bar chart with the total number of favorites.



```
dog_stage
doggo      587275.0
pupper     519415.0
puppo      120417.0
doggo, pupper  86806.0
floofer     56565.0
doggo, puppo    0.0
doggo, floofer  0.0
Name: favorite_count, dtype: float64
```

## Which dog stage has the highest retweets?

The doggo also has highest retweets in all god stages, but the floofer jump to the third and take the rank of puppo with more 831 retweets.



```
dog_stage
doggo      211160
pupper     120375
floofer    25006
puppo      24176
doggo, pupper 23858
Name: retweet_count, dtype: int64
```

In below the winner of highest favorites (161K) and retweets (81 K).





## What dog stage has the highest rating overall?

Counting rating for each dog stage and found that the highest rating is Pupper with total 2383.27 then the doggo as the order of the stages shown in below table.

dog_stage	
pupper	2383.27
doggo	853.00
puppo	276.00
doggo, pupper	111.00
floofer	107.00
doggo, puppo	13.00
doggo, floofer	11.00

Name: rating\_numerator, dtype: float64

## What are the Top 4 tweets photo that has the highest rating?

The ranking depends on the number of likes (favorites) that has rating 14/10 :

1 - 90,709 Likes



2- 54,269 Likes .



3- 47,260 Likes .



4- 30,825 Likes.



## Dog Breed Analyze

### What breeds of dogs are most popular?

The golden retriever is the most breed that detects 150 times in this analysis.  
The table below also shows other breeds popularity after the golden retriever.

```
golden_retriever    150
Labrador_retriever  100
Pembroke            89
Chihuahua           83
pug                 57
Name: p1, dtype: int64
```

### Which dog breed has more favorites ?

The golden retriever has more favorites with 612816 favorites.

```
golden_retriever    612816.0
Labrador_retriever  518514.0
Pembroke            258718.0
chow                156717.0
Eskimo_dog          147414.0
Name: favorite_count, dtype: float64
```

### Which dog breed has more retweets?

Also, The golden retriever has more retweets with 281523.

```
golden_retriever    281523.0
Labrador_retriever  232297.0
Pembroke            80695.0
Eskimo_dog          68034.0
Samoyed             64934.0
Name: retweet_count, dtype: float64
```

## Coloration Analyze

**What is the relation between favorite\_count and retweet\_count?**

The answers related to favorites and retweets questions are the same that show the coloration between favorite\_count and retweet\_count is positive relation as appearing in below scatter plot.

