ANALYSIS AND VISUALIZATIONS: WeRateDogs

## Udacity: Wrangle and Analyze Data Project

INTRODUCTION:

This Wrangle and Analyze Data Project is part of Udacity's Data Analyst Nanodegree Term 2. The project involves wrangling of data from various sources associated with tweets from the Twitter user @dog_rates, also known as WeRateDogs. WeRateDogs rate's pictures of people's dogs in a humorous manner, most often giving ratings higher than 10/10. After scraping together the data, quality and tidiness issues were assessed and then cleaned. Finally, visualizations were created and insights can be found below.

Snapshot from WeRateDogs:

Visualizations :

1. Relationship between retweet_count', 'favorite_count', 'final_rating', 'rating_numerator' and 'rating_denominator'.
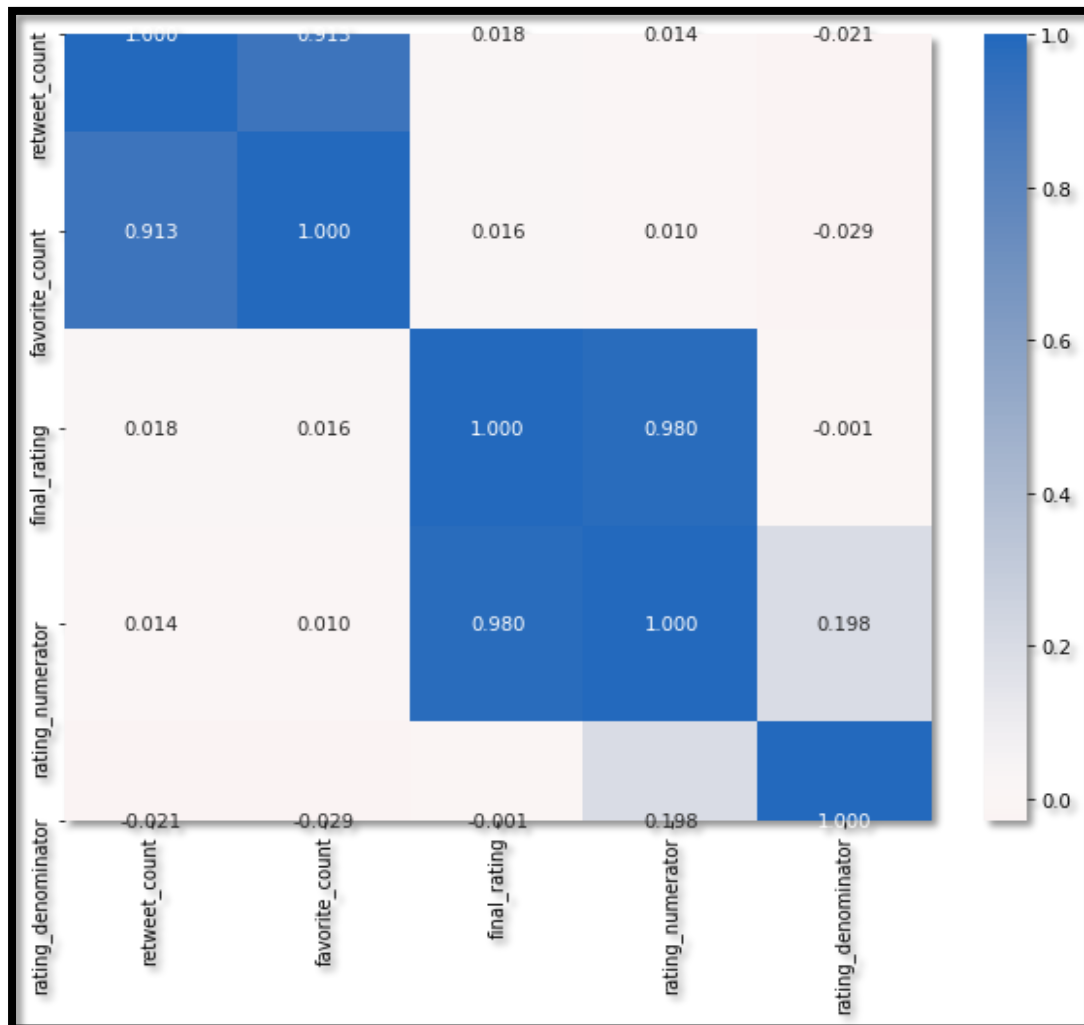
From the visualization of Heatmap we can observe that favorite count and final_rating has a very weak relationship having the correlation factor of 0.016 and with retweet_count it is 0.018.Though Favorite count and Retweet count are highly positively correlated. Further, we can see final_rating is positively related to rating numerator.
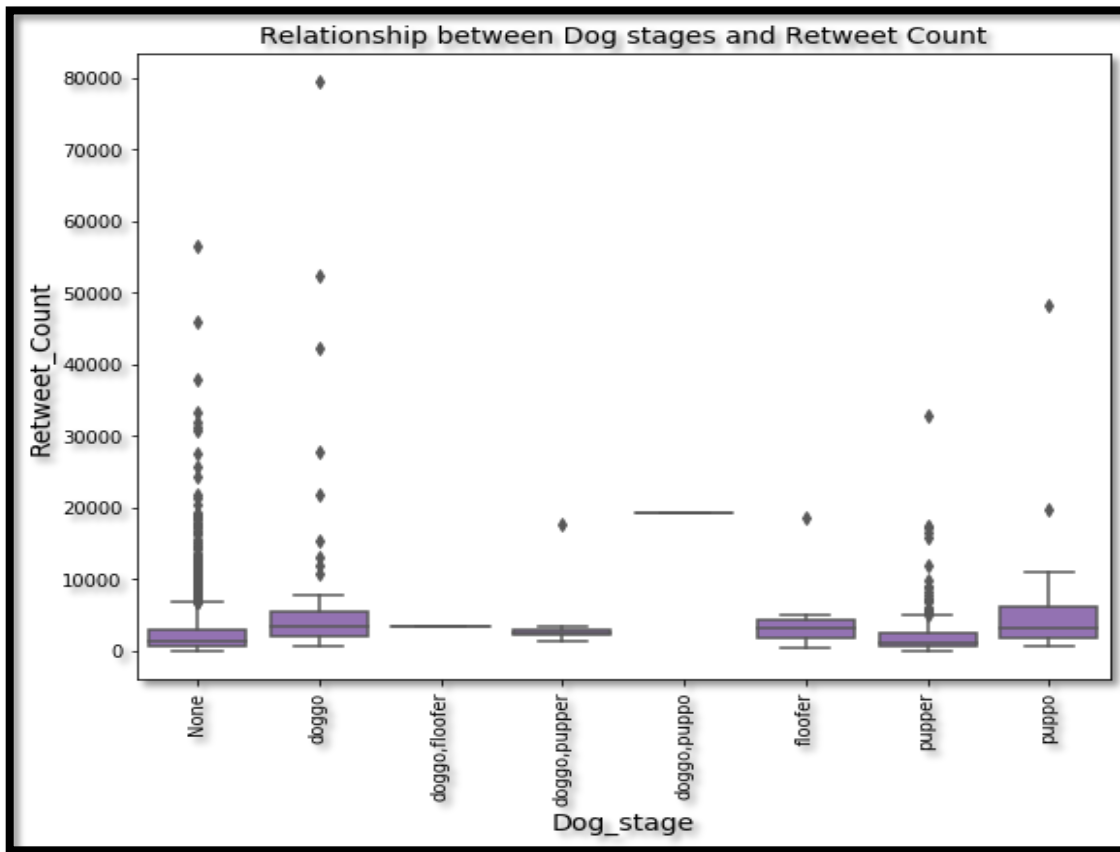
2. What relationship is there between Dog stages and Favorite count?

From the box plot we can predict that doggo, floofer and puppo categories got the maximum favorite count followed by pupper category of dog stage.
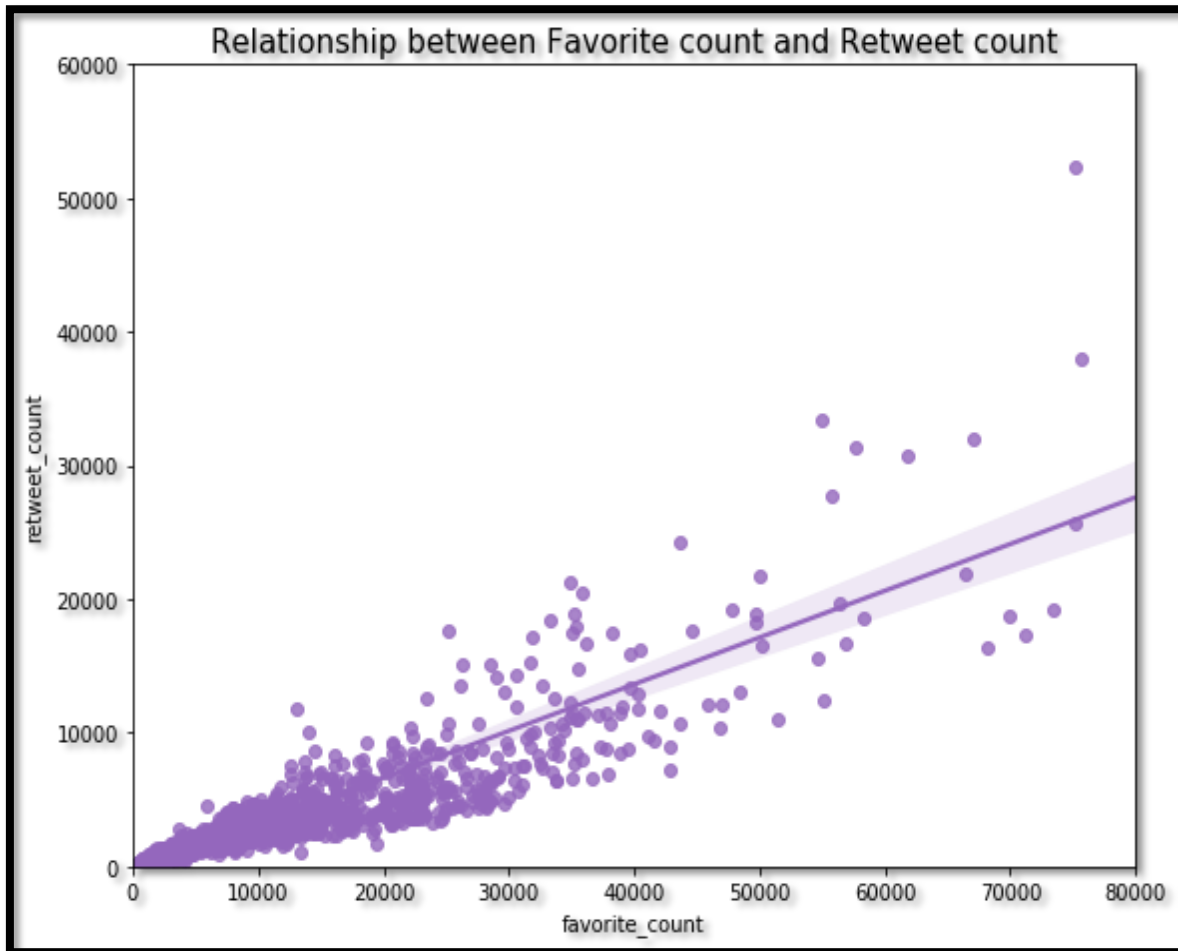

Dog stages and Favorite_count
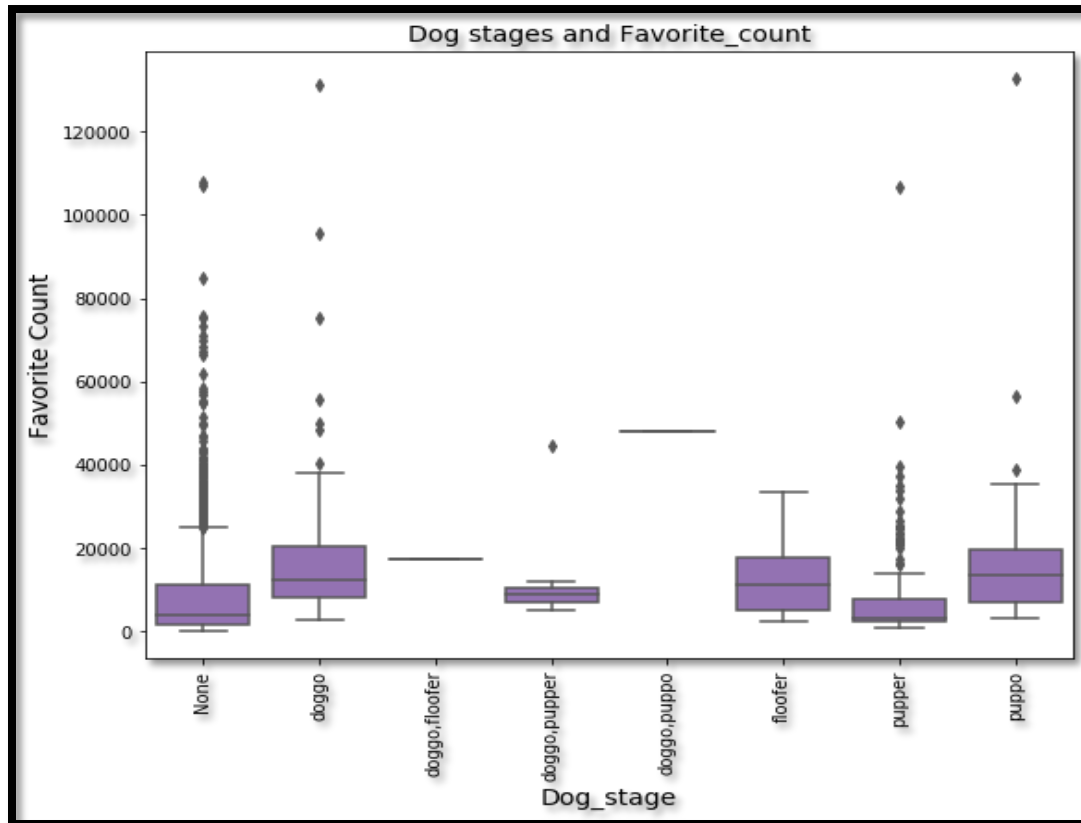
3.

3. What is the relationship between Dog stages and Retweet Count?

Relationship between Dog stages and Retweet Count

The plot shows that most dogs are in 'Puppo' category but highest retweeted about 'doggo' stage following that belongs to 'Pupper'category.

4.

4. **Plotting between favorite count and retweet count.**

From the visualization and limiting the values we can see that there is a strong relationship between both the values.We can also say that if a person is retweeting the tweet than it is liked also many time.

5.

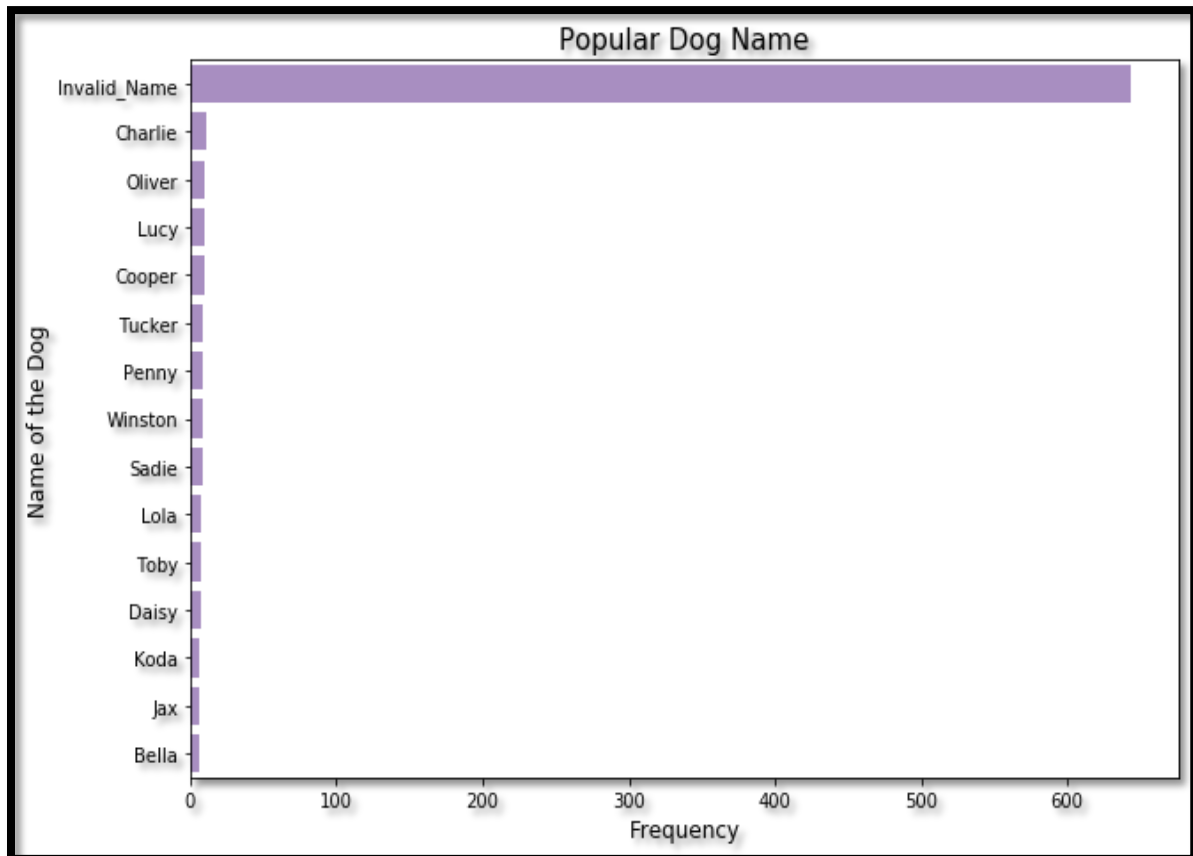### 5. Which Dog stage is more popular among dog lovers?

Interestingly, we can see that maximum people prefer Pupper followed by Doggo category and least preferred are the doggo-puppo and doggo-floofer categories of Dog Stages.
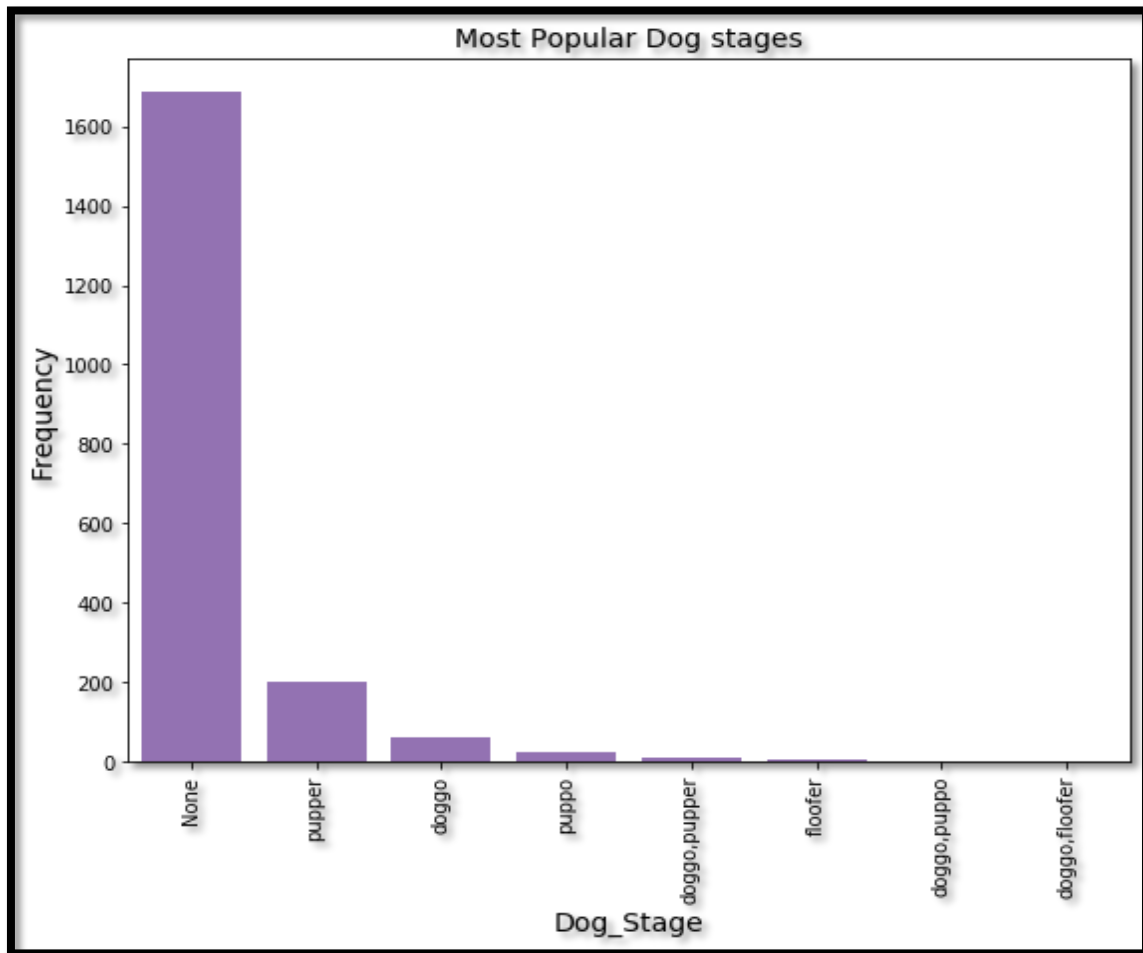
6.

6. What is the popular dog name values?

Maximum dog names are invalid names still followed by the name 'Charlie','Oliver' and 'Lucy'

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