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ANALYSIS AND VISUALIZATION

Introduction

This document presents my insight and visualization performed on the WeRateDogs, Image prediction and tweet_json data.

Insights

1. What smart device does the WeRateDogs tweets use most

```
Twitter for iPhone      93.291995
Vine - Make a Scene     4.847802
Twitter Web Client      1.296505
TweetDeck               0.563698
Name: source, dtype: float64
```

ANS: iPhone Users were the people who tweet most on the WeRateDogs twitter account

2. Which stage of dog had the most tweets

```
None      83.540023
pupper    10.710259
doggo      4.002255
puppo      1.240135
floof      0.507328
```

ANS: Pupper had the most tweets however 83% of users didn't specify the dog stage. This reasons concern as to whether users didn't know the dog stages or it was not relevant to them. Additional information will be needed to analyse this.

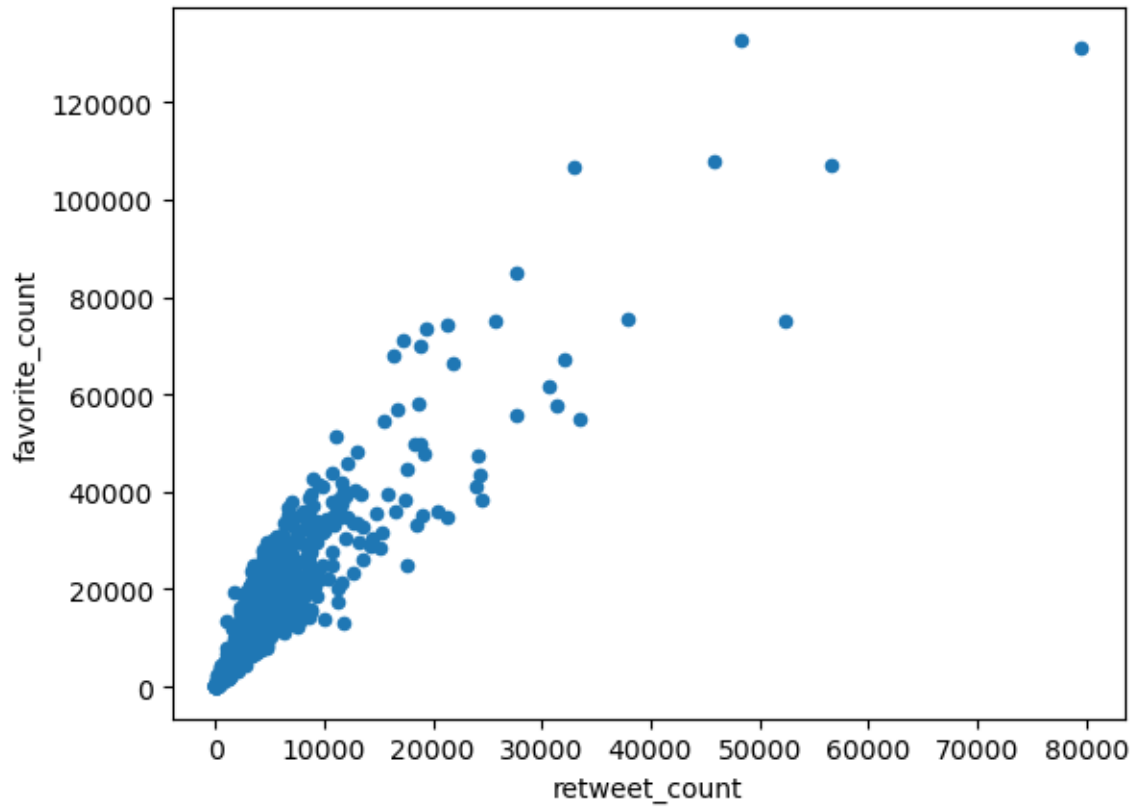
3. Which dog breed had the most tweet?

```
Unknown      10.500905
Golden_retriever  8.931804
Labrador_retriever  5.914303
Pembroke     5.069403
Chihuahua    4.646952
...
Scotch_terrier  0.060350
Entlebucher  0.060350
Standard_schnauzer  0.060350
Silky_terrier  0.060350
Irish_wolfhound 0.060350
```

ANS: Golden_retriever had the most tweet out of the numerous dog breeds. However the percentage of Unknown breed was the highest i.e 10.5%

Visualization

4. Is there a relationship between retweet_count and favorite_count?



ANS: There is a relationship between retweet_count and favorite_count. From the scatter plot, it is seen that there is positive relationship between the two variables.