

Analyzing and Visualizing Data

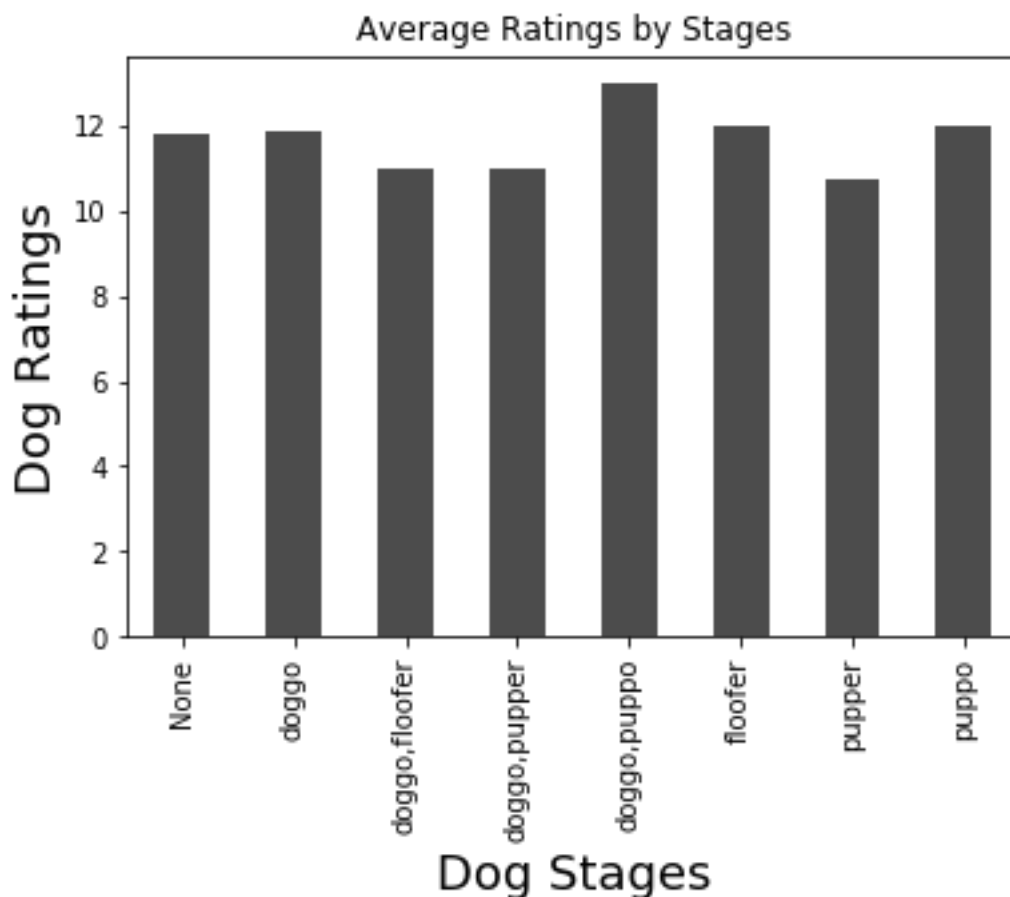
In this section, analyze and visualize your wrangled data. You must produce at least **three (3) insights** and **one (1) visualization**.

Insights and Visualization:

We will try and answer the following questions.

1. How is the average rating of the dog stages?
2. What is the relation between Retweet Count and Favorite Count?
3. How is the average favorite count between different dog stages?
4. Which dog stage has many favorite count?

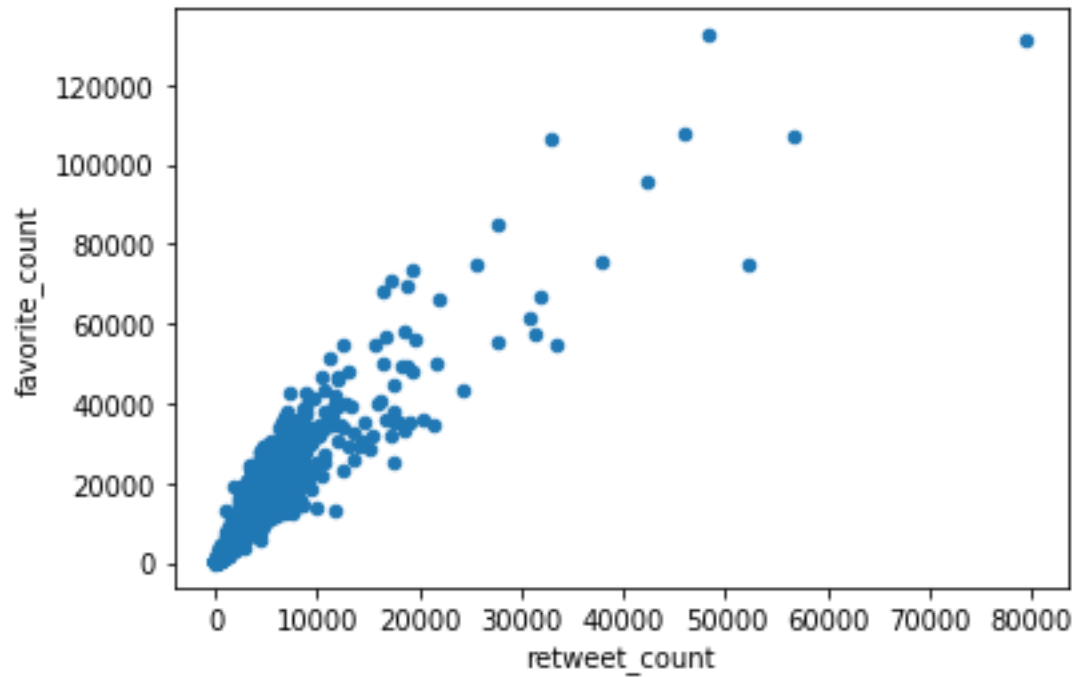
1. How is the average rating of the dog stages?



From the graph, we can say the following on the overall ratings of the dog stages;

- we can see that pupper stage received the lowest overall rating.
- while the doggo-puppo received the highest overall rating.

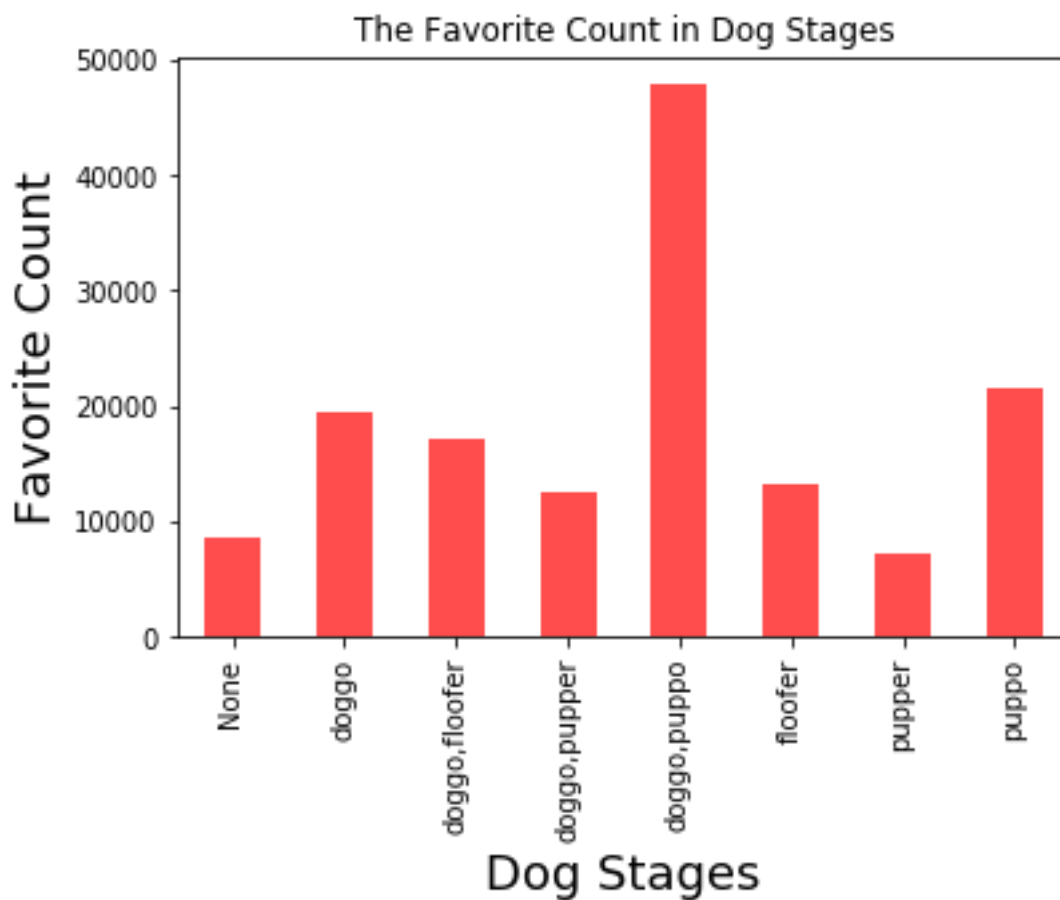
2. What is the relation between Retweet Count and Favorite Count?



From the graph, we can say the following;

- It is a positive correlation the relationship between Retweet Count and Favorite Count.
- The graph is mostly dense between 0-20,000 in Retweet Counts and 0-60,000 in Favorite Count.

3. How is the average favorite count between different dog stages?



From the graph above we can see;

- The doggo-puppo stage received the most favorite count, 40,000-50,000.
- The pupper stage received the least favorite count <10,000.
- The doggo, doggo-pupper, floofer and floofer-doggo stages received between 10,000-20,000.
- The puppo stage received between 20,000-30,000.

4. Which dog stage has many favorite count?

```
dog_stages
None          1670
doggo          63
doggo,floofer    1
doggo,pupper     9
doggo,puppo      1
floofer          7
pupper         203
puppo           22
Name: favorite_count, dtype: int64
```

From the above information we can see that;

- pupper stage received the most favorite count of 202.
- doggo stage being the second received favorite count of 63.
- puppo stage received favorite count of 22.
- doggopupper stage received favorite count of 9.
- floofer stage received favorite count of 7.
- doggopuppo and flooferdoggo stages received favorite count of 1 for each.

Coclusion for our question:

As we can see the pupper received the most favorite count than any other stages.