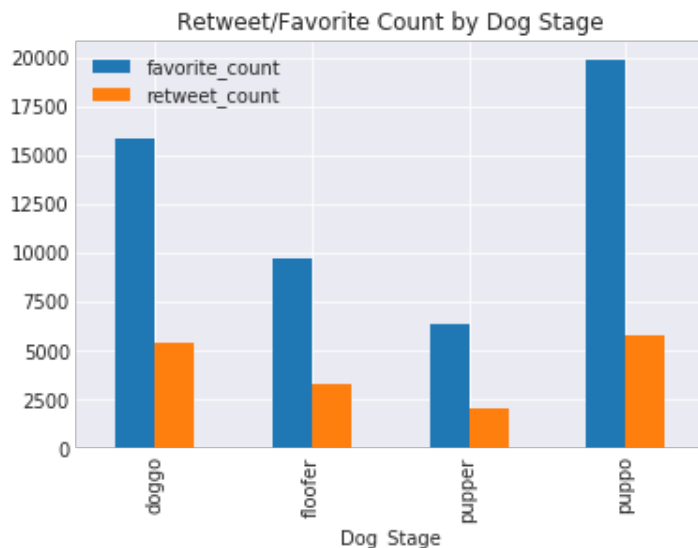


## We Rate Dogs (@dog\_rates) Insights

After I completed wrangling all of this data I first wanted to know which Dog Stage was the most popular on twitter. I define popular by how many favorites and retweets each tweet received. In order, to find out which dog stage is the most popular I grouped by each dog stage and calculated the mean for both favorite count and retweet count. It turns out that puppos on average receive the most favorites and retweets. This makes perfect sense, because I also have found that tweets with dogs that have the highest ratings also tend to have more favorites, and puppos have on average the highest rating! Please see the visualizations below.



```
Dog_Stage
None      10.445052
doggo     11.859375
floofer   11.875000
pupper    10.679612
puppo     12.043478
Name: rating_numerator,
```

```
rating_numerator
0      20406.000000
1       5924.750000
2       1830.555556
3       1953.052632
4       2249.600000
5       3214.848485
6       2222.187500
7       2477.274510
8       1998.602041
9       1997.598684
10      3390.541475
11      5782.544794
12      9315.809917
13     19060.961131
14     24808.473684
Name: favorite_count,
```

I also wanted to know which Dog Breed is the most common and it turns out the Golden Retriever is. It is also incredibly important to note the confidence percentage when saying this, because if the confidence percentage was very low then Golden Retrievers may not be the most common. I choose to look at the first prediction confidence percentage and found that only 10 dog breeds out of 110 have higher first prediction confidence percentages! I think it's fair to say that the Golden Retriever is the most prevalent dog in these tweets.

Golden_retriever	134
Labrador_retriever	91
Pembroke	88
Chihuahua	78
Pug	54
Chow	41
Samoyed	40
Toy_poodle	37
Pomeranian	37

Lastly, I was surprised to find that tweets that were likely not of dogs (`p1_dog = False`) had nearly the same average retweet count of tweets that were of dogs (`p1_dog = True`). I would have thought that photos of dogs would have more retweets given that this account is specifically for dog lovers.