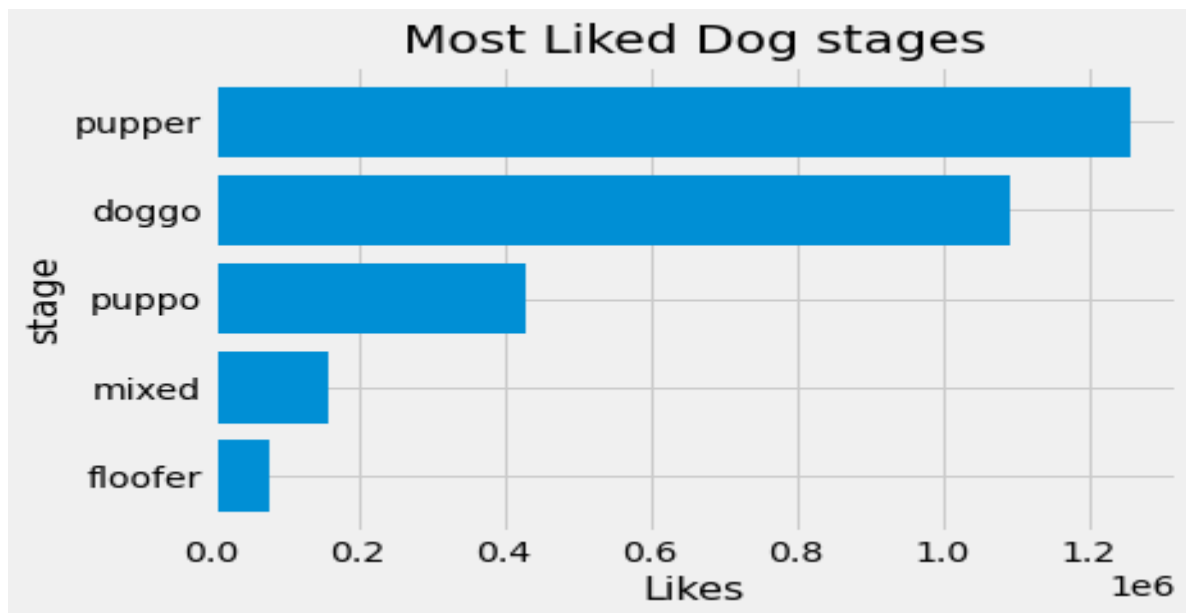


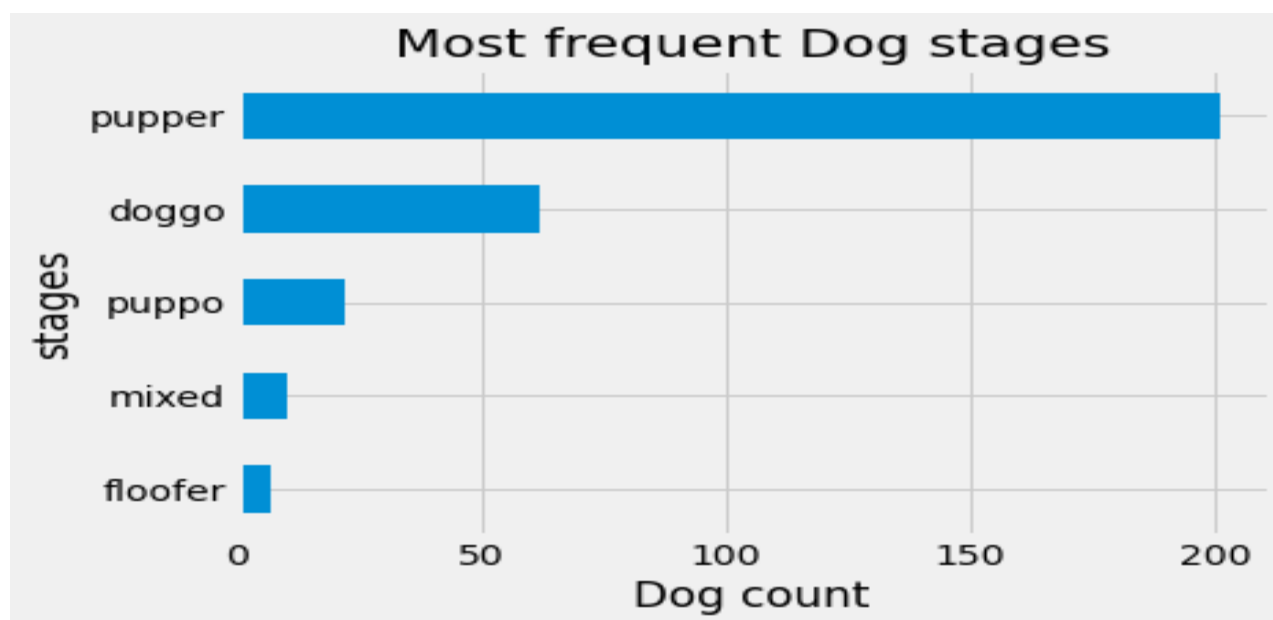
# WeRateDogs Udacity Project Report

In this report I will simply present the insights and visualizations generated while working on this project.

## Question 1: What dog stage has the most likes and retweets



The 2 plots above show that dogs in stages **pupper** or **doggo** have the most likes and retweets. I drilled further to find out **why** in the visualization below



Now we can see clearly that **pupper** is the most frequent **dog stage** and it makes sense that it is the most liked and retweeted since most dogs are in this stage. A key thing to also note is that **doggo** is not as frequent as **pupper** but it has nearly same number of likes and retweets

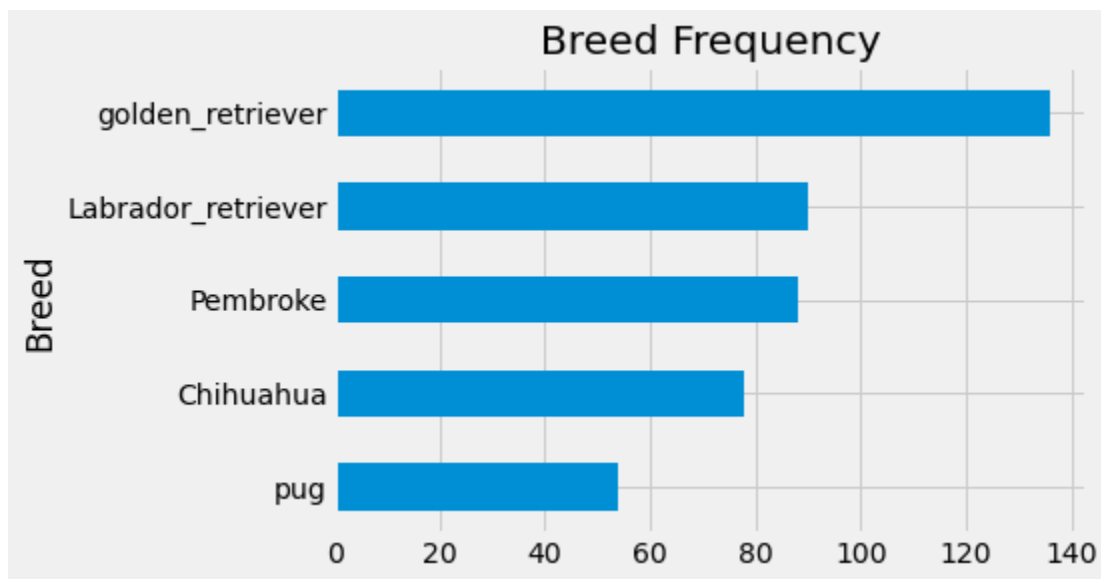
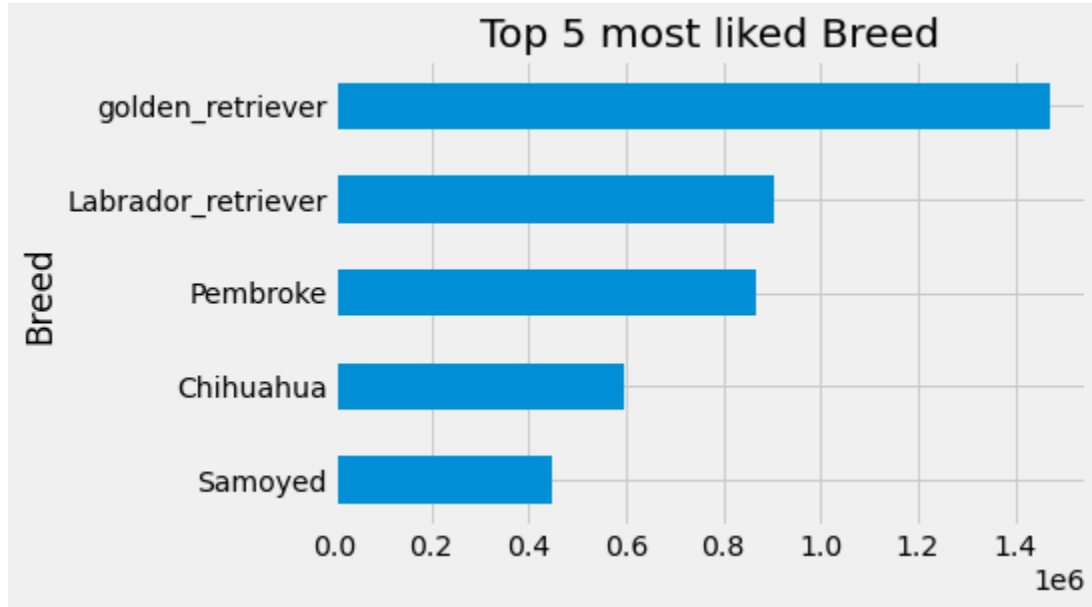
```
In [373]: df.stage.value_counts(ascending=True)/total_dog_stages * 100
```

```
Out[373]: floofer    2.317881  
         mixed     3.311258  
         puppo     7.284768  
         doggo    20.529801  
         pupper    66.556291  
         Name: stage, dtype: float64
```

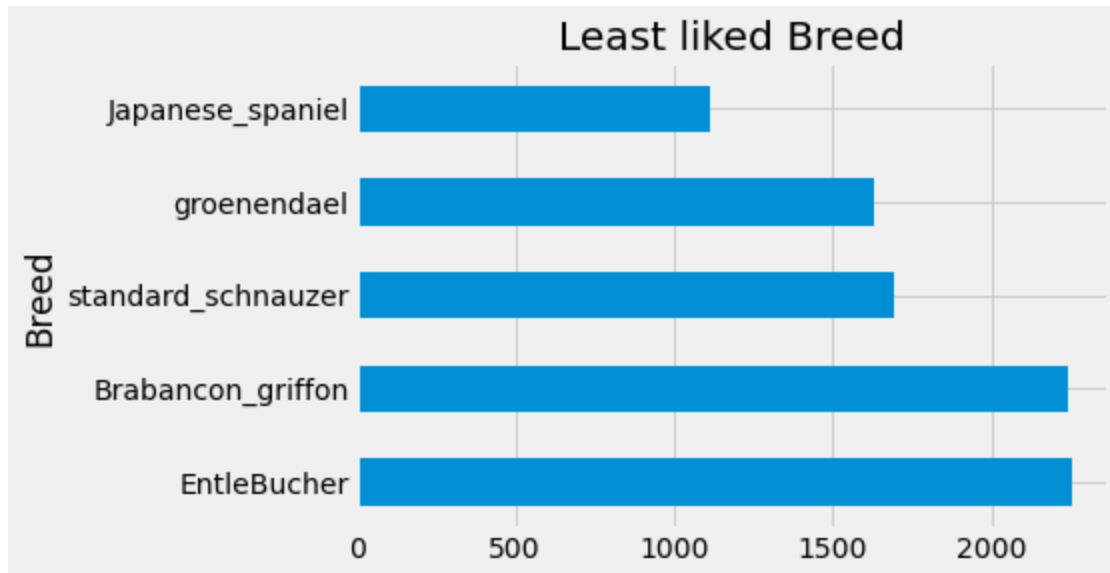
From this we can see that about **67%** of dogs were in the **pupper** stage and just **20%** were in the **doggo stage** yet dogs in the doggo stage had as much likes and retweets as dogs in the pupper stage

The table above clearly reiterate my hunch.

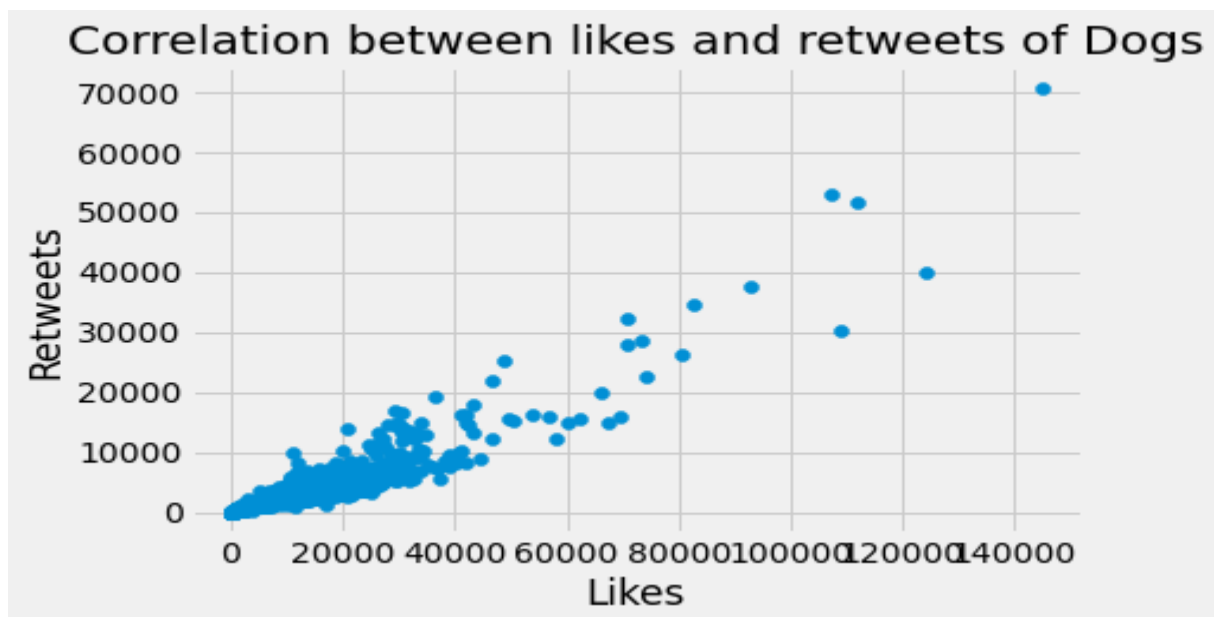
## Question 2: What dog-type has the most likes/retweets

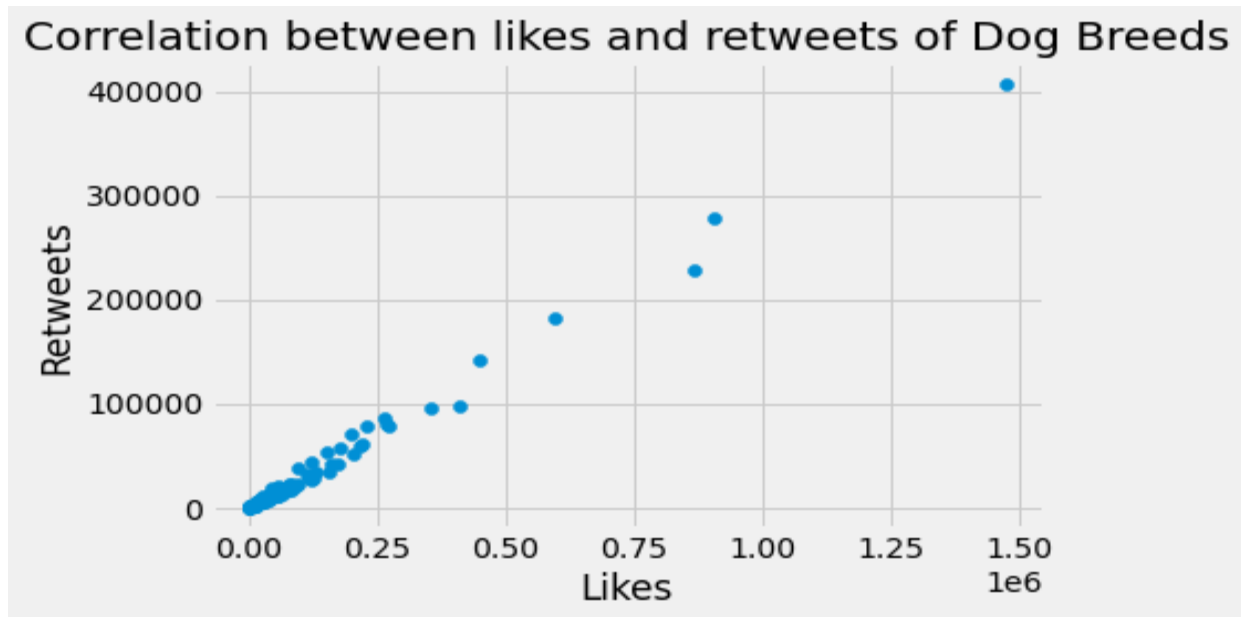


This shows that the top 4 most liked dog breed were also the most common in our dataset. So, there is no clear way of knowing if they were actually liked more or it appears they are liked more because they were more frequent



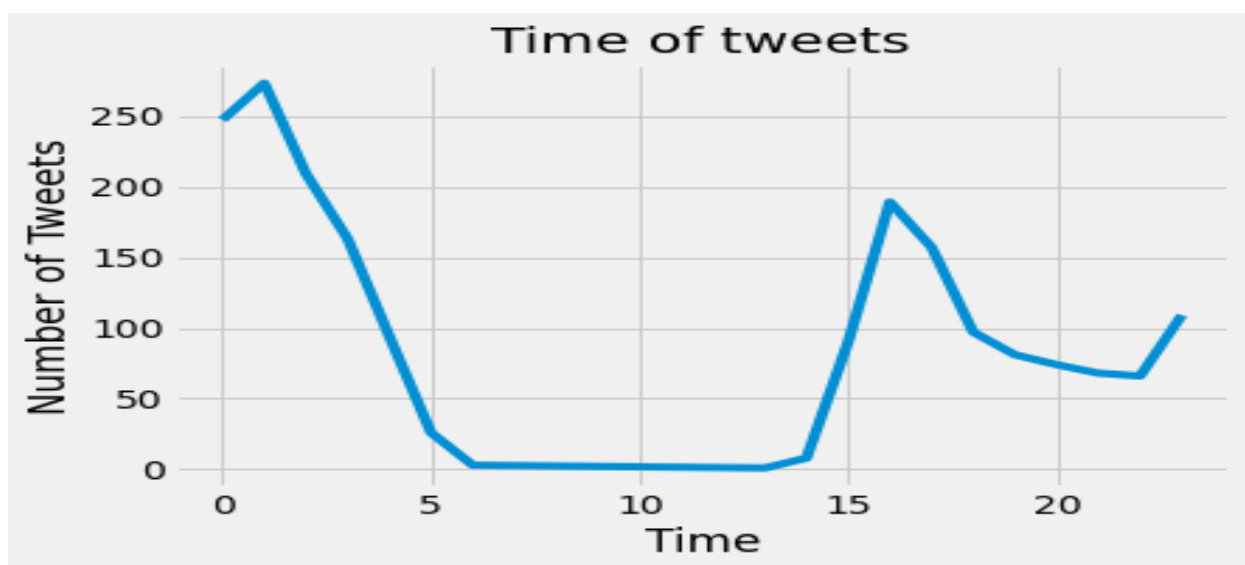
### Question 3: Relationship between Likes and Retweets





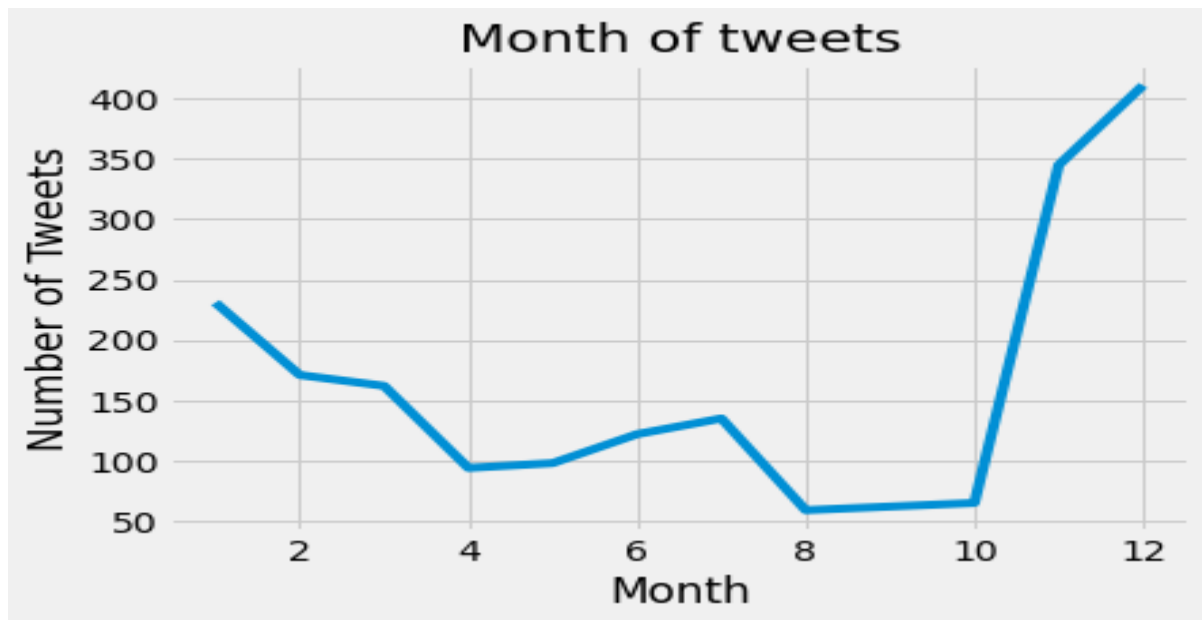
In both cases there is a linear positive correlation between likes and retweets.

Question 4: What time does WeRateDogs have the most traffic?



WeRateDogs send most tweet around 12am or 1am and least tweet around 6am to 2pm

**Question 5: What month does WeRateDogs have the most traffic?**



Lot's of people wanted to know their dog rating in the months of October to December