Analysis and Visualizations

This report is made to analyze and visualize the insights of Udacity's WeRateDogs project.
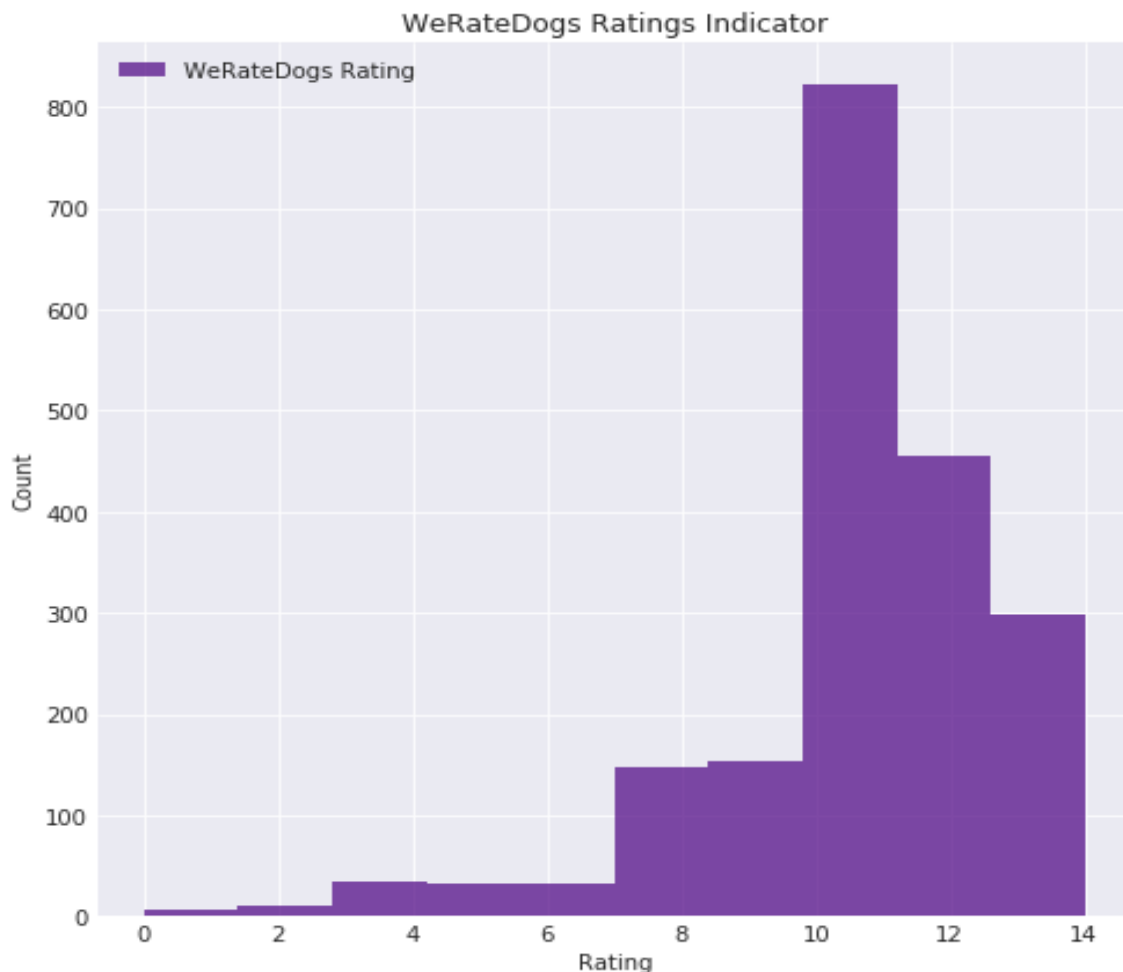
The Approach

When we first look at the data, we got in our hands we can understand that WeRateDogs rates dogs through pictures sent to them from followers or even not followers.

WeRateDogs basically gives a rating out of 10, sometimes they generously go off the 10 mark and give 11, 12 ,13 …. and so on.

The first Question that comes to mind, are these ratings are always positive? or they tend to give lower numbers?

We can find from this graph that there is a tendency towards high ratings in WeRateDogs.
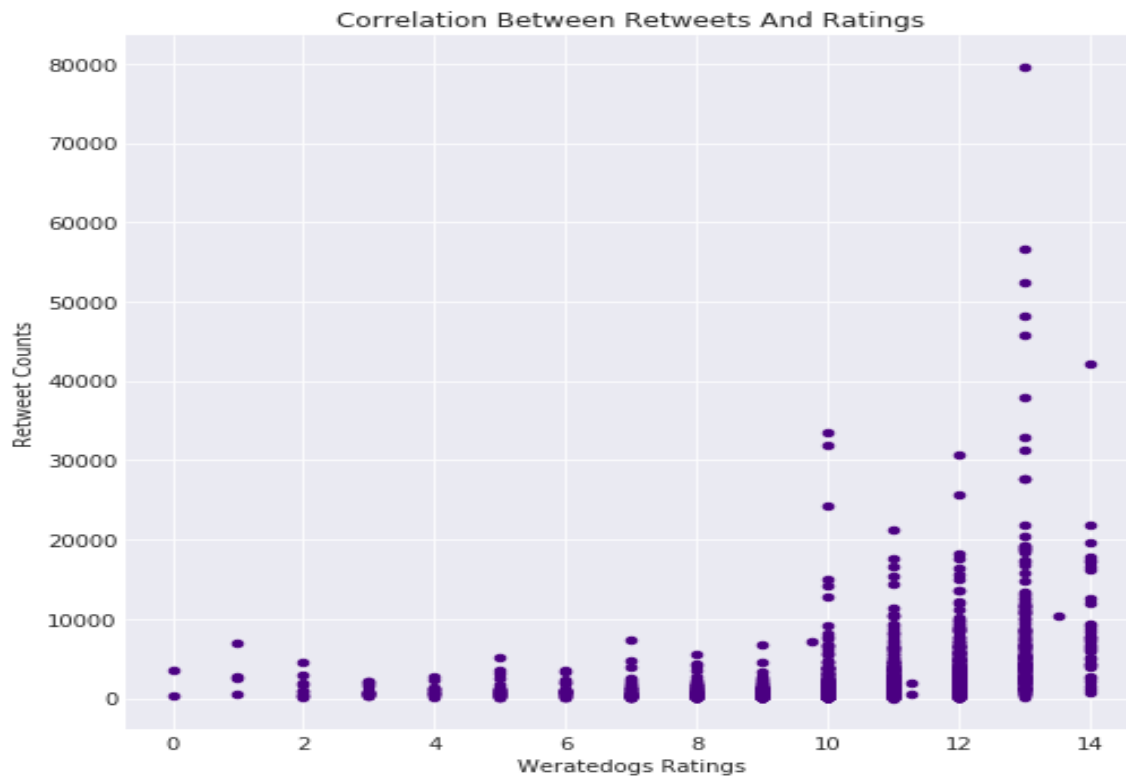

Also, the most occurred Rating here is **12**, with a median of **11** so this answers our first question.

Yes, WeRateDogs gives a high rating in most cases , "They're Good Dogs Brent" .

So does the retweet counts (users ratings) have the same tendency and shares the same perspective as WeRateDogs?

When we see this scatter plot, we can understand that there is a positive correlation right here.

The retweet counts increases (y axis) as the WeRateDogs rating increase (x axis).
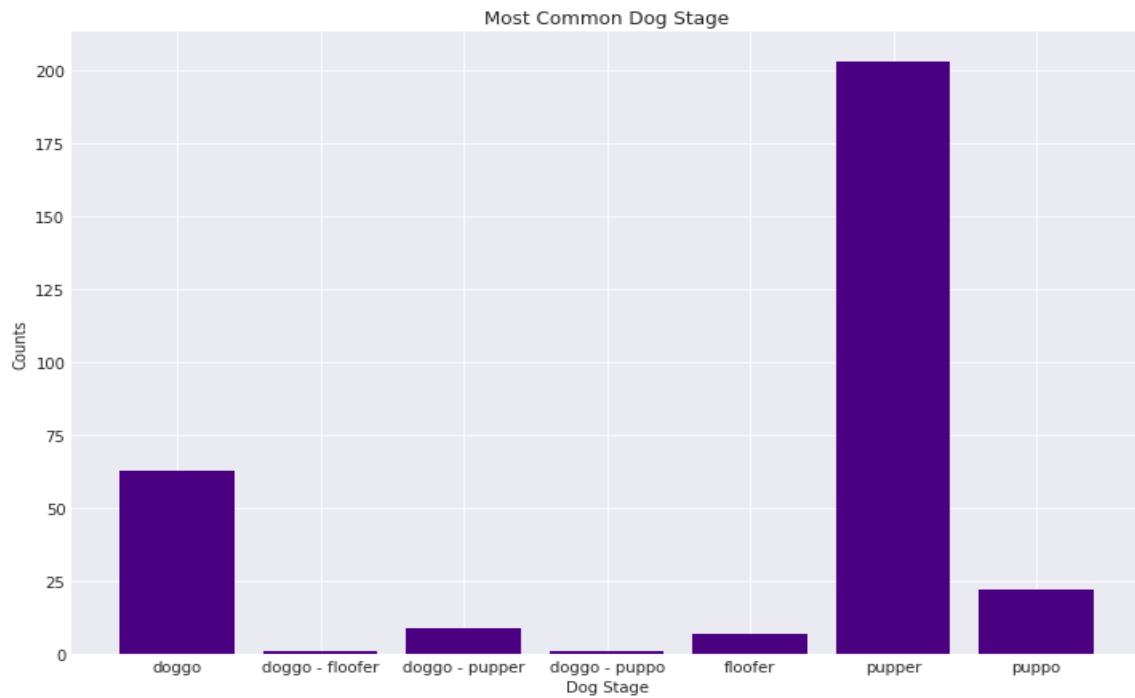

Correlation Between Retweets And Ratings

Well it's great to know that both the followers and non-followers share the same perspective with WeRateDogs ratings for dogs.
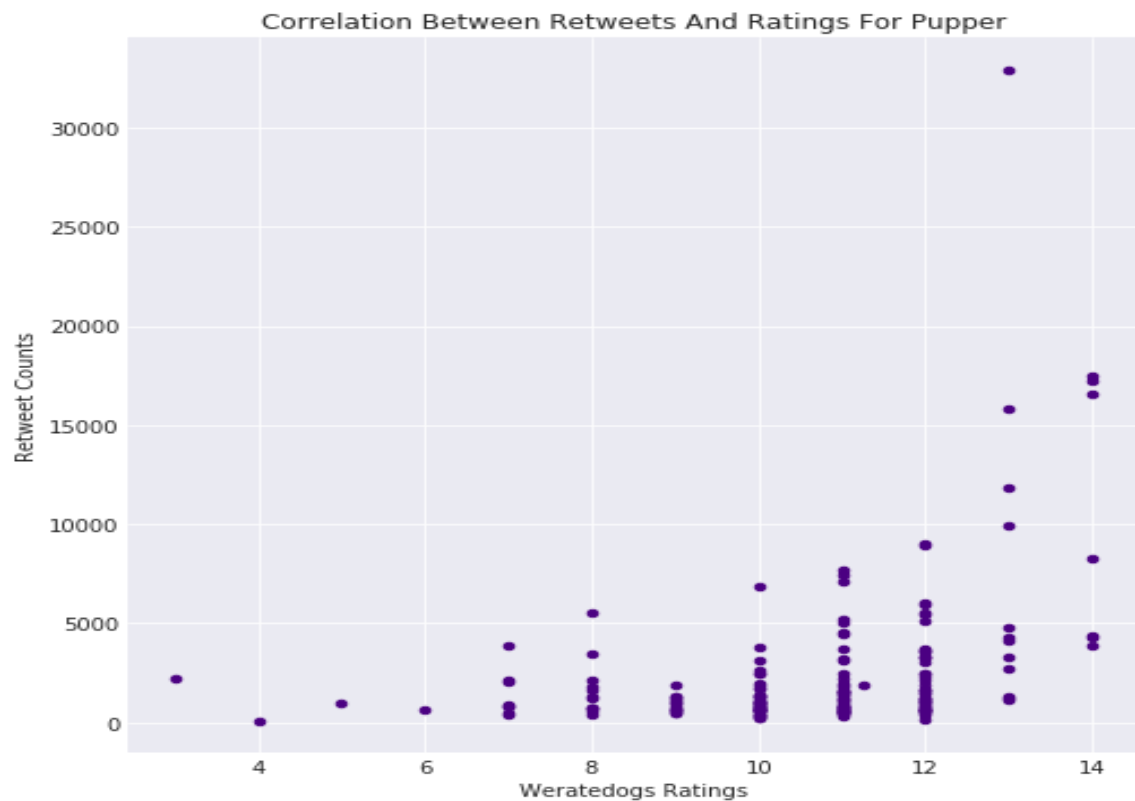
So, after we agreed that everything is okay from the ratings perspective.

We are so curious to know which dog stage is the most common between the rated dogs?

From the following bar chart, we can see that **pupper** is by far the most common dog stage.
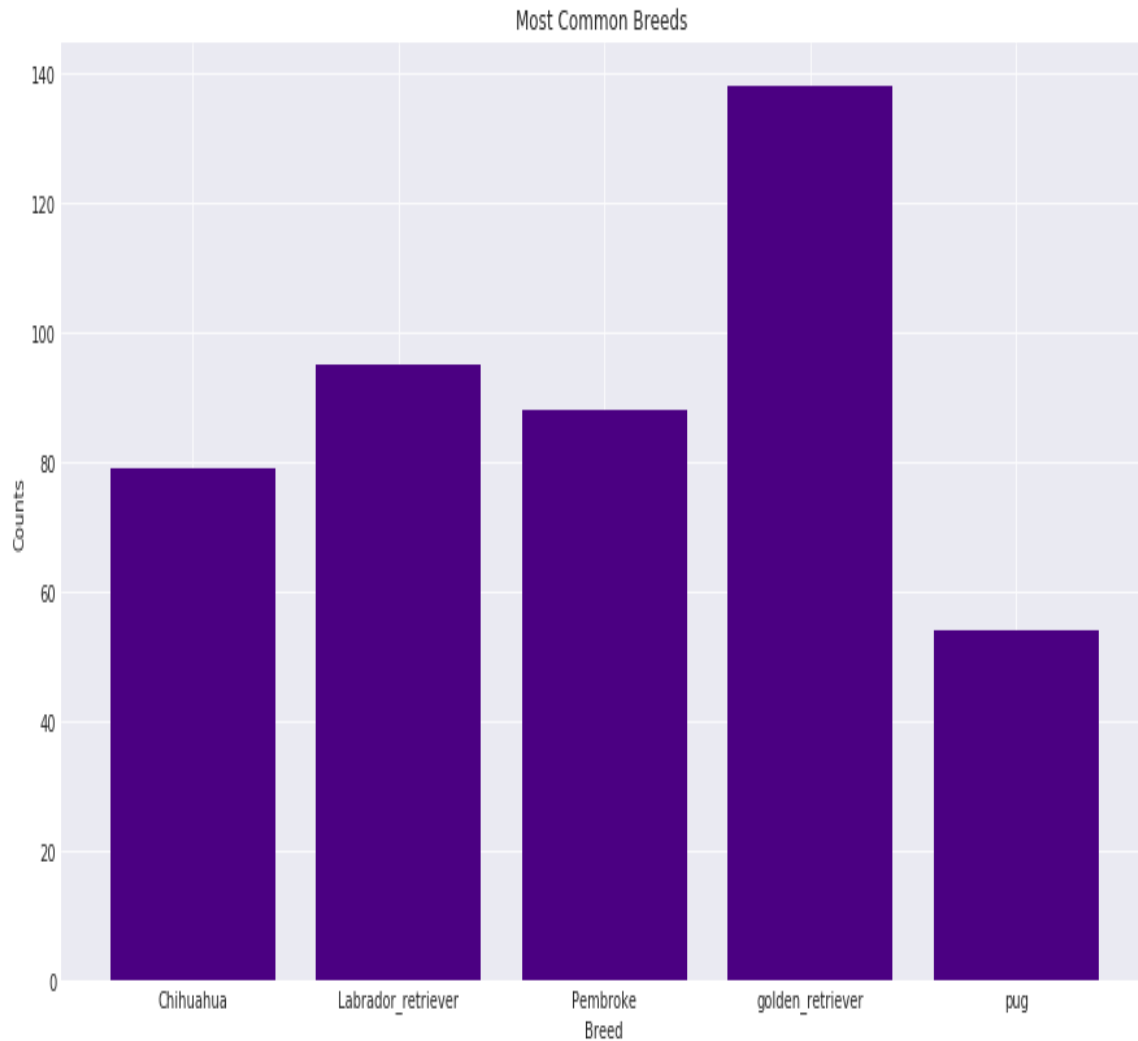

Most Common Dog Stage

So the main question after we knew that pupper is the most common dog stage out there,

Does **pupper** as a dog stage receive a high ratings in general?

Correlation Between Retweets And Ratings For Pupper

The answer is yes, **pupper** have a high ratings and retweet counts too.

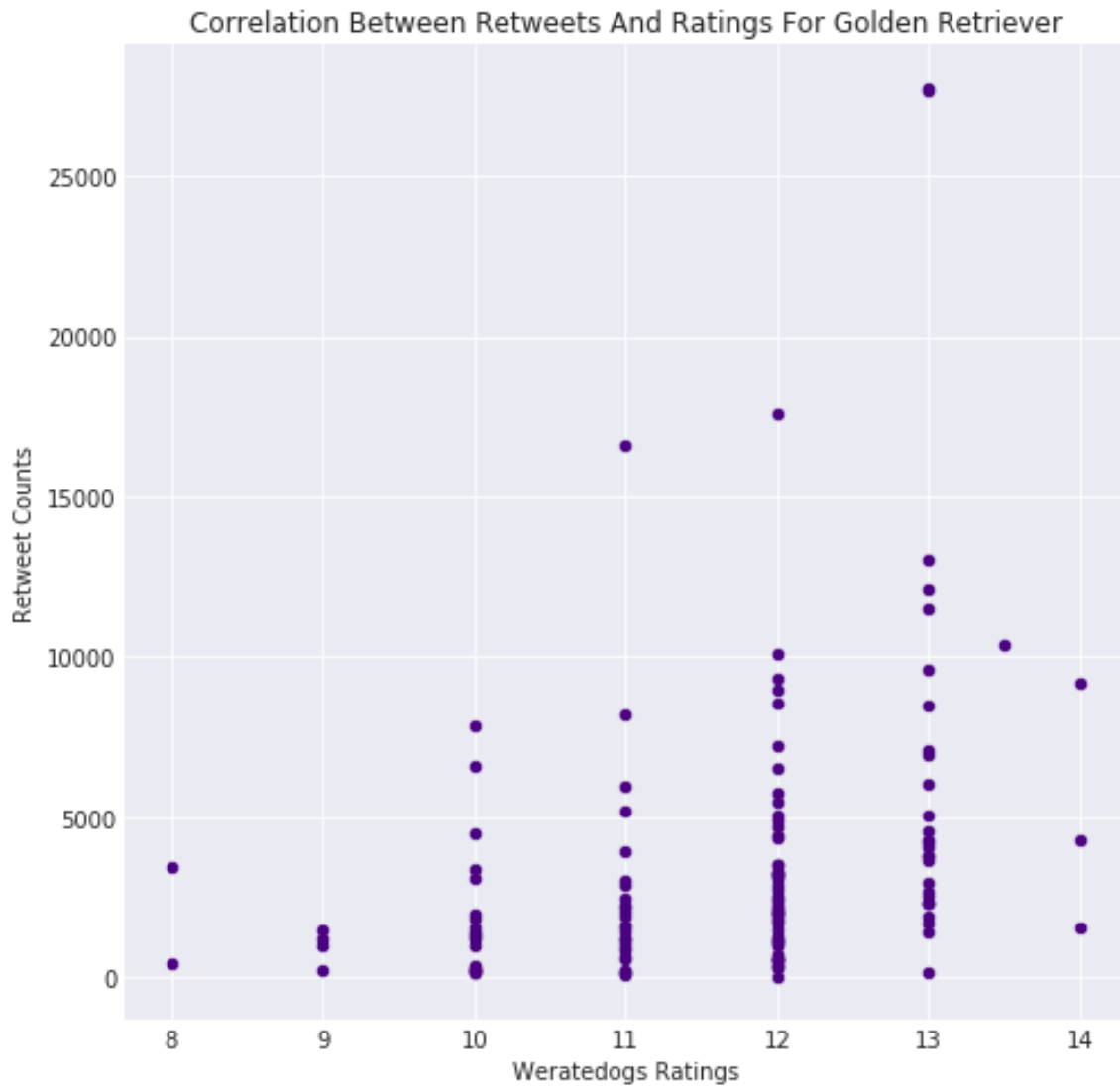Another question we can ask, which breed was the most observed in these tweets?

Let's see the top 5 most common breeds in these tweets …

Most Common Breeds

We can clearly see that the **Golden Retriever** breed is the most common one out there.
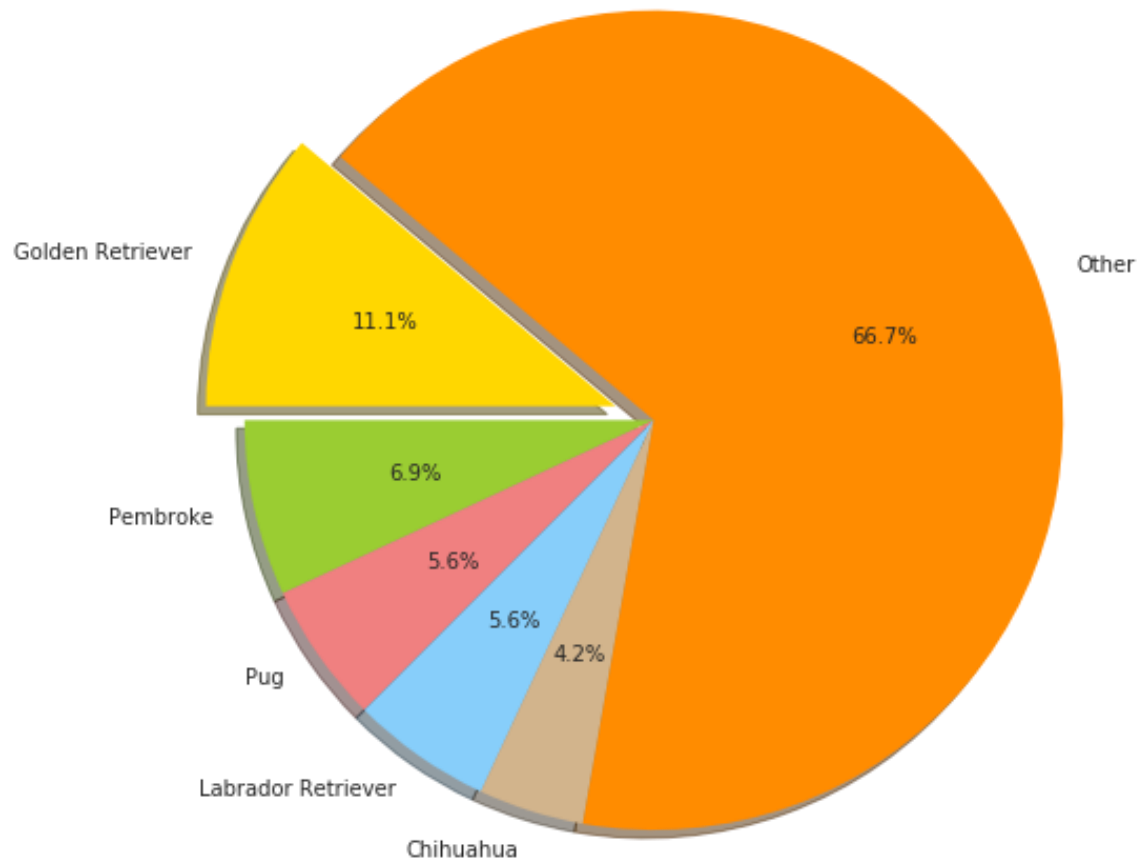
Labrador Retriever, **Pembroke Breed** , **Chihuahua** and **Pug** also represents a big percentage of the population of dogs in the tweets reviewed.

Does the **Golden Retriever** breed have a positive correlation between ratings and retweet counts?

Correlation Between Retweets And Ratings For Golden Retriever

It seems that the **Golden Retriever** breed is highly rated since its rates is between **8** and **14** and have a **positive correlation** between retweet counts and ratings.

So, Does **Golden Retrievers** represent a high percentage of **puppers**?

Yes, **Golden Retriever** represents a good percentage out of the total population of dogs.

We can conclude that **Golden retriever** breed is responsible for the high ratings of **puppers** .

And finally the top rated **Golden Retriever Pupper** is here ([Ollie](#)):

The Top 2 Dogs:

This is Atticus with 1776/10

This is Snoop Dogg 420/10

And if you are asking why they have two zeros in ratings, that's because ….

Someone stole their tweet before

He can't see any dogsfrom the empire state building