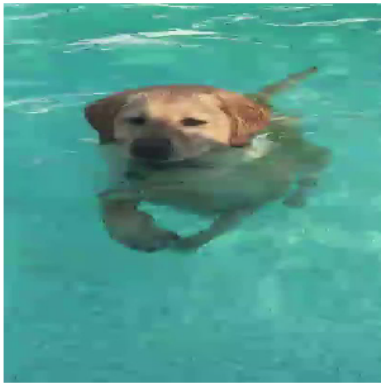


Analysis, Insights and Visualizations

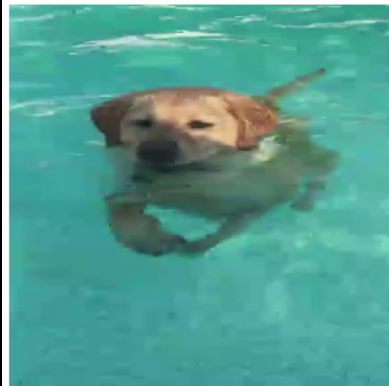
1. Insight 1 – Who is the dog with the highest favorite count of tweet?

```
Tweet id with highest favorite count: 744234799360020481
Tweet text with highest favorite count:
Here's a doggo realizing you can stand in a pool. 13/10 enlightened af (vid by Tina Conrad) https://t.co/7wE9LTEXC4
Tweet source with highest favorite count:
iphone
Tweet retweet count with highest favorite count:
80500
Dog Rating with highest favorite count:
13/10
Dog stage with highest favorite count:
doggo
Predicted dog breed:
labrador_retriever
```



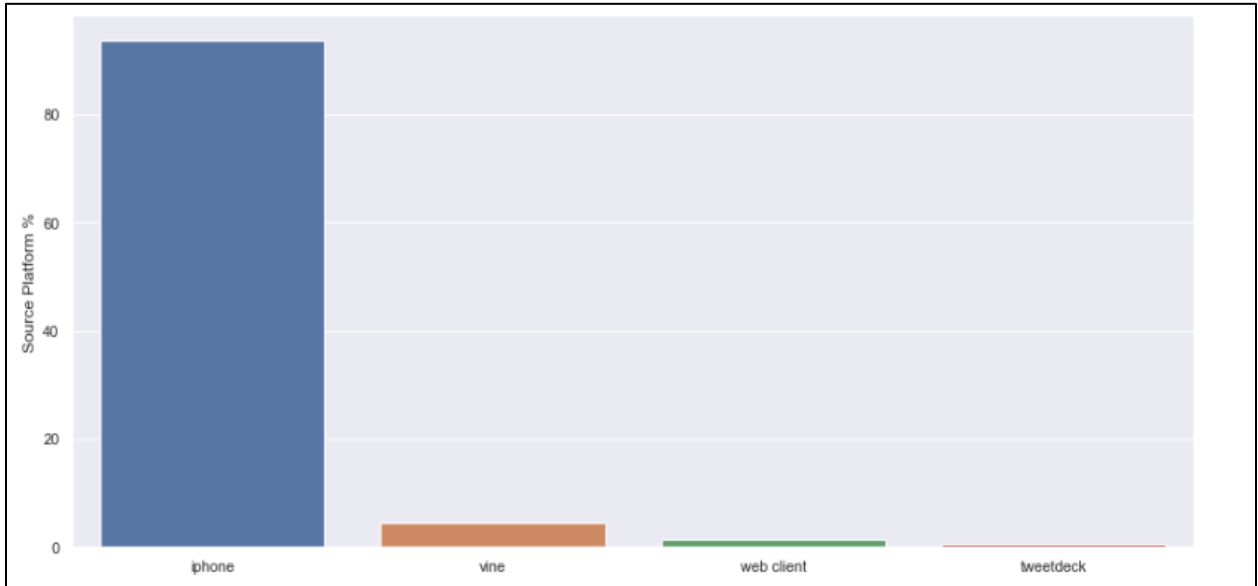
2. Insight 2 – Who is the dog with the highest favorite count of tweet?

```
Tweet id with highest retweet count: 744234799360020481
Tweet text with highest retweet count:
Here's a doggo realizing you can stand in a pool. 13/10 enlightened af (vid by Tina Conrad) https://t.co/7wE9LTEXC4
Tweet source with highest retweet count:
iphone
Tweet retweet count with highest retweet count:
80500
Dog Rating with highest retweet count:
13/10
Dog stage with highest retweet count:
doggo
Predicted dog breed:
labrador_retriever
```



The swimming dog Doggo predicted to be a Labrador retriever was both the most favorite and most retweeted tweet.

3. What is the distribution of tweet platform sources? How many tweets came from an iphone or from other sources?



From the % distribution of the tweet sources, it was found that more than 90% of all the tweets from the @WeRateDogs account came from an iphone platform whereas a meagre amount came from other sources like Vine or the twitter web client.

4. Which one was the tweet that showed a dog with the highest rating (rating numerator)?

```
Tweet id with highest rating_numerator: 749981277374128128
Tweet text with highest rating_numerator:
  This is Atticus. He's quite simply America af. 1776/10 https://t.co/GRXwMxLBkh
Tweet source with highest rating_numerator:
  tweetdeck
Tweet retweet count with highest rating_numerator:
  2534
Dog Rating with highest rating_numerator:
  1776/10
Dog name with highest rating_numerator: Atticus
Predicted dog breed:
  bow_tie
```



The dog Atticus was the highest rated dog with a superb 1776 rating numerator possibly due to his immense cuteness. It is interesting that the image prediction algorithm predicted the dog to be a bow tie with the highest confidence, possibly owing to the reason that the face of the dog was mostly occluded by his large bow tie.

5. Which one was the tweet that showed a dog with the lowest rating (rating numerator)?

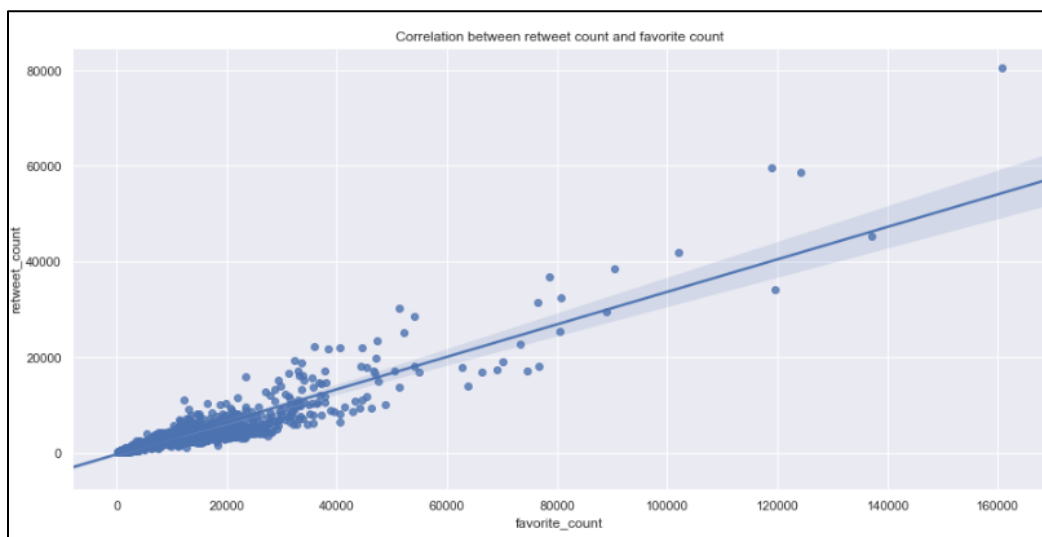
```
Tweet id with lowest rating_numerator: 835152434251116546
Tweet text with lowest rating_numerator:
  When you're so blinded by your systematic plagiarism that you forget what day it is. 0/10 https://t.co/YbEJPkg4Ag
Tweet source with lowest rating_numerator:
  iphone
Tweet retweet count with lowest rating_numerator:
  3124
Dog Rating with lowest rating_numerator:
  0/10
Predicted dog breed:
  swing
```



The tweet with the lowest dog rating was that of a puppy swinging on a swing. Again, the algorithm wrongly predicted the picture was that of a swing with highest confidence, possibly due to the large shape of the swing in comparison to the smaller body of the puppy.

6. Are the most retweeted tweets the most favorite tweets?

For this a correlation/regression plot was done between retweet counts and favorite counts of all the available tweets.



From the regression plot above, it is evident that there is a strong positive correlation between the retweet and favorite counts of a tweet. Hence, it can be concluded that the most favorite tweets are infact those that are also retweeted the most.