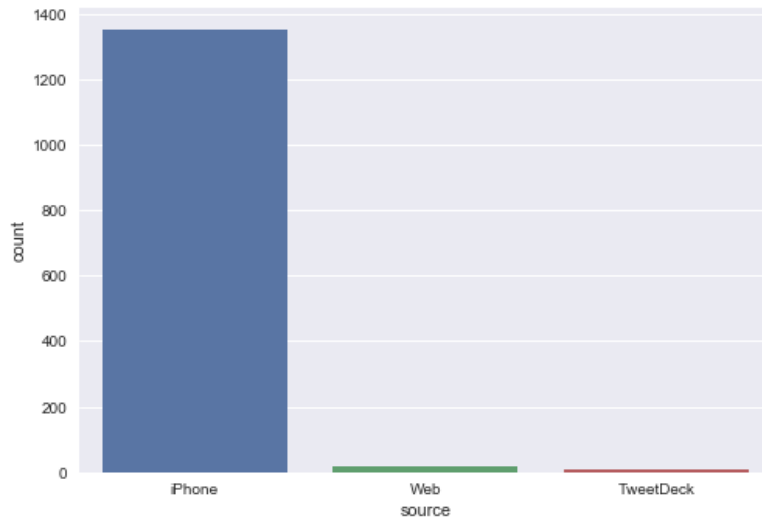


Act Report

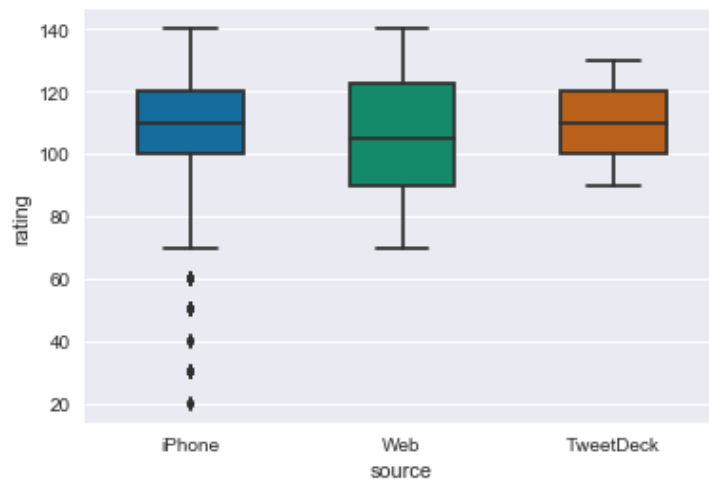
The goal of this project was the wrangle WeRateDogs Twitter data to create interesting insights and visualizations. After cleansing and merging 3 different data sources, I was left with 1378 observations and 26 variables.

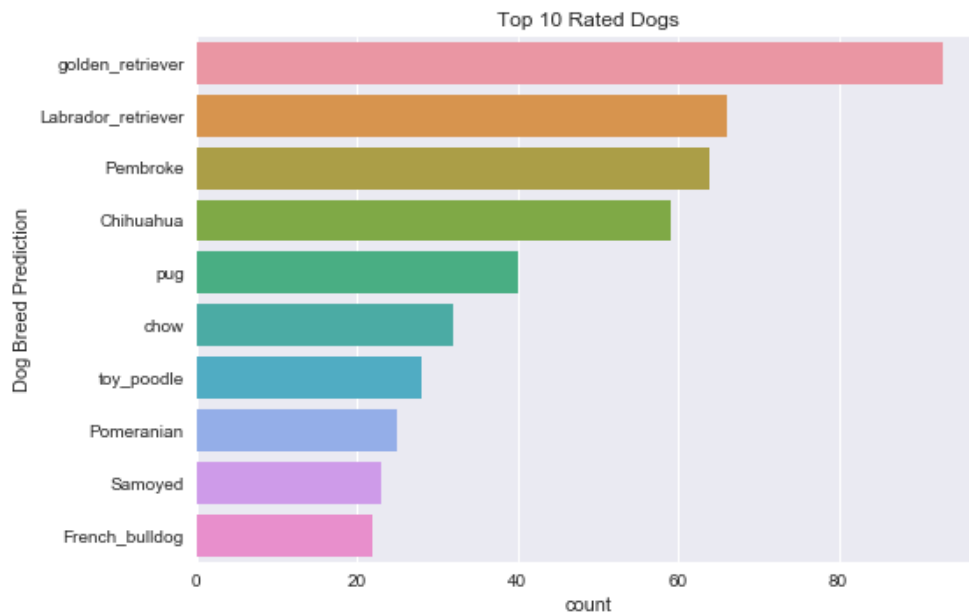
Tweet Platforms

Below is a barchart of the different possible Tweet sources. iPhone is the most popular platform having the highest count. It seems that your average user is most likely to access Twitter via mobile device, specifically iPhone.



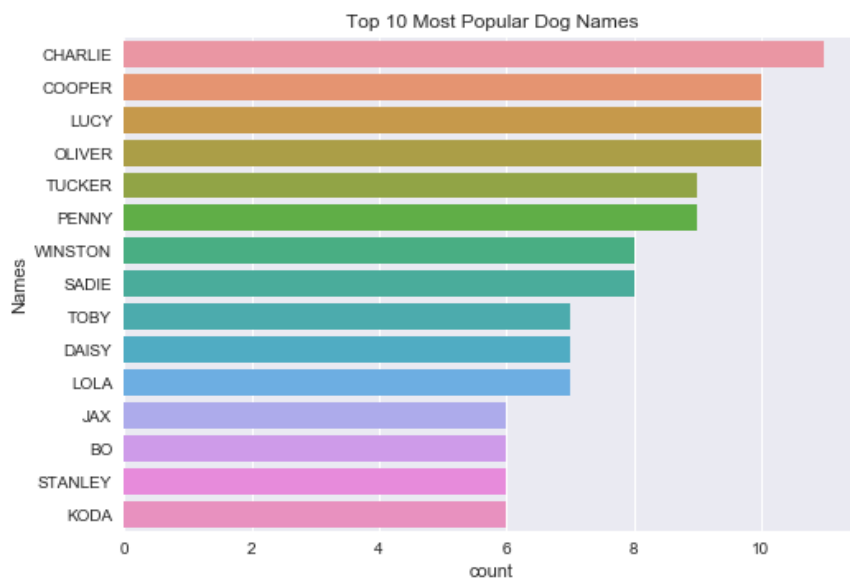
There is not much difference between the average rating between different sources. The mean rating for each group falls between 105-110. The ratings from iPhones have a much larger range of ratings with several outliers. Ratings from TweetDeck sources have the smallest range of ratings.





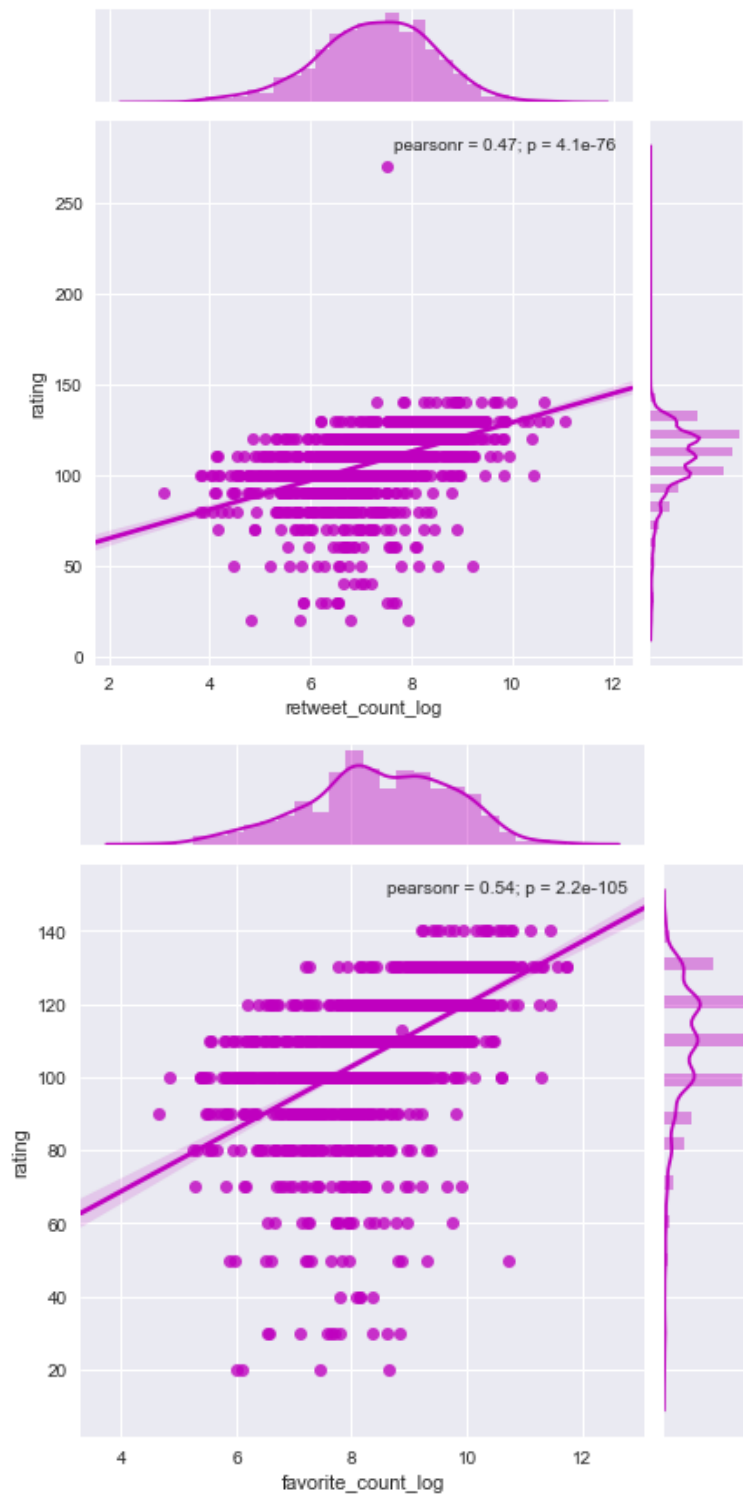
The top 2 dog breeds with most number of ratings are **the golden retriever** and the **labrador retriever**. Both of these breeds also have the some of the highest average ratings. They also have the **most favorite tweets and most retweets**.

The **appenzeller** has the highest average rating with a valule of 130.



The most popular dog names are Charlie, Cooper, Lucy, and Oliver.

The 2 plots below show the correlation between dependent variable *rating* and independent variables *favorite counts* and *retweet counts*. The plots show a slightly positive relationship between the ratings and favorites/retweets, but not a very strong relationship. ($r=0.47/0.54$). We can say that having more retweets and being favorited has a slight impact on ratings.



Lastly, the most favorited tweet was of a dog named Jamsey with a rating of 13/10. The neural net did not predict the correct breed for Jamsey, but it did for the photo of the other dog that's in this same photo. This was a tricky one since this photo had 2 dogs in it!

https://twitter.com/dog_rates/status/866450705531457537/photo/1

The most retweeted rating is of Stephan with a rating of 13/10.

https://twitter.com/dog_rates/status/807106840509214720/video/1