



DATA ANALYST NANODEGREE

Project # 4

DATA WRANGLING

(@WeRateDogs)

(Report 2- Analysis and Insights)

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Analyzing and Visualizing WeRateDogs

The Analysis report is present and the insights, visualizations are communicated. Multiple visualizations are present. WeRateDogs has over 8.7 million followers and has received international media coverage.

Favorite Tweets:

The most Favorite Tweets count is 155796

tweet_id	favorites
744234799360020481	155796
822872901745569793	132775
807106840509214720	120345
866450705531457537	116192

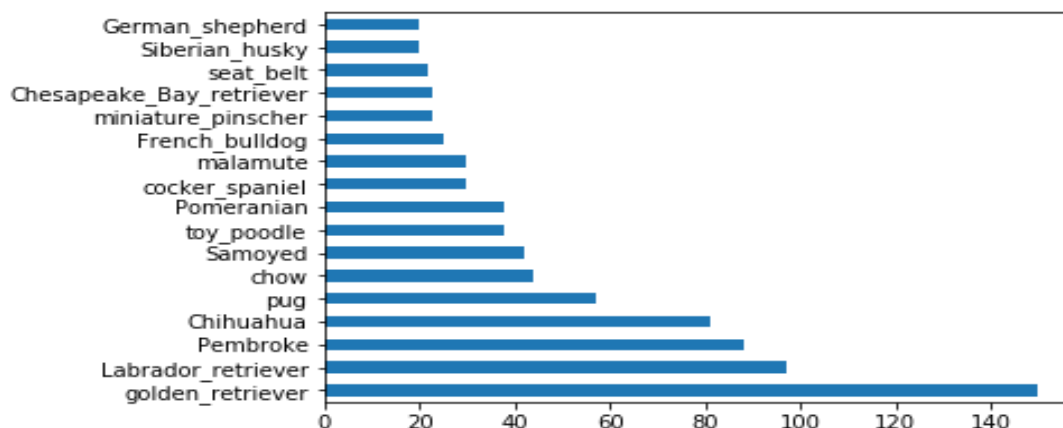
Highest and Lowest retweeted Tweet id.

The Highest Retweets count is 77651 and Lowest reteet count is 11.

tweet_id	retweets	tweet_id	retweets
744234799360020481	77651	666102155909144576	11
739238157791694849	57600	666447344410484738	18
807106840509214720	56607	851861385021730816	19

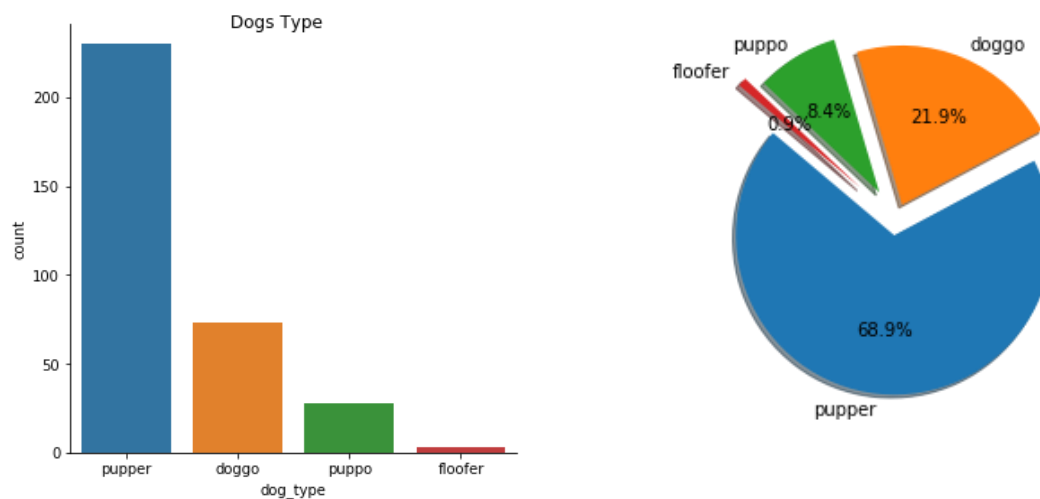
Most common dog Breed:

The most rated dog was **Golden retriever** with more than 140 ratings and **Labrador Retriever** is second rate dog with around 100 ratings.



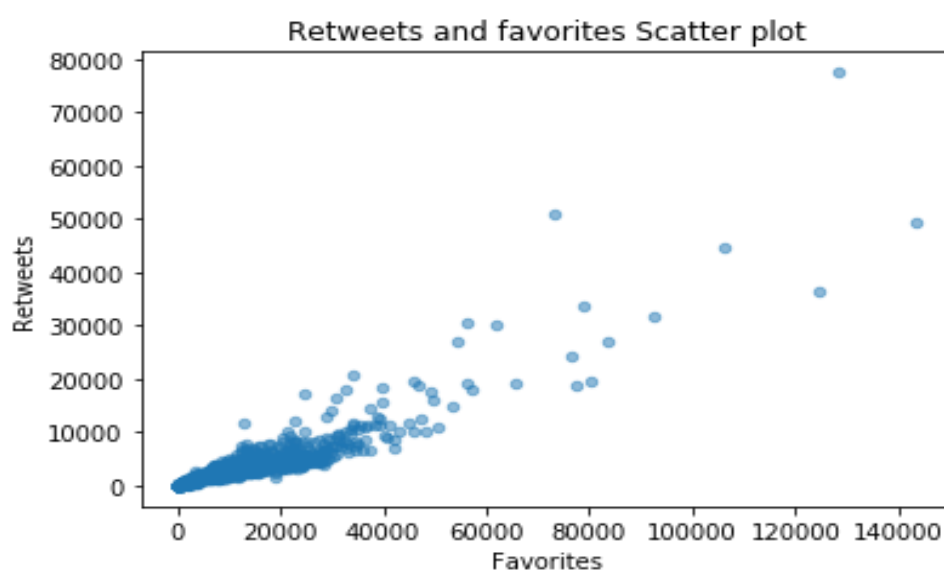
Most Common Dog Type:

Similarly, I check the distribution of dog stages. It shows that 'pupper' (a small doggo, usually younger) is the most popular dog stage followed by 'doggo' and 'puppo'.but it has the lowest mean rating.



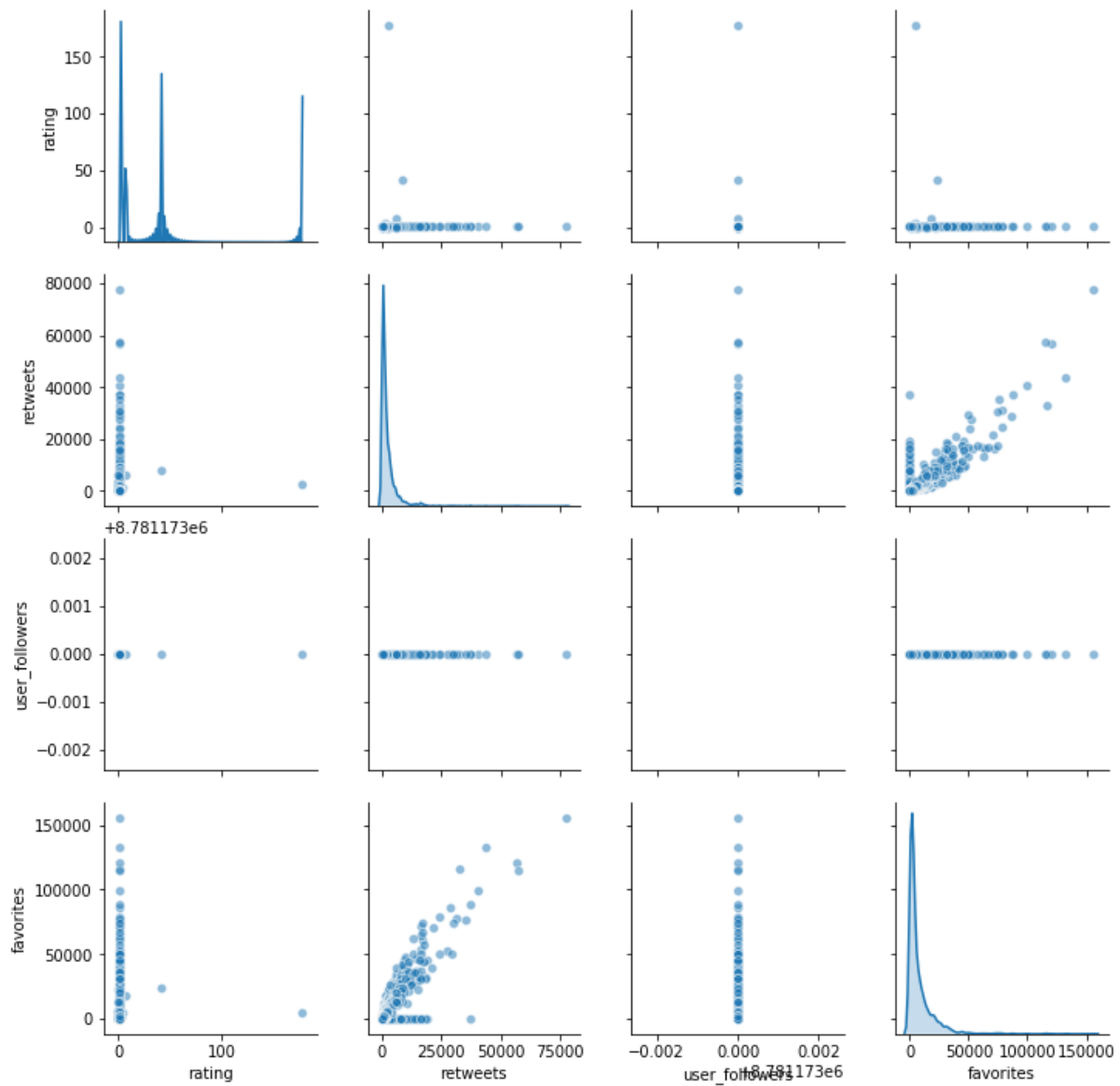
Tweet Retweet vs Favorites:

As the correlation map shows that retweet is high correlated with favorites. A reasonable hypothesis is that most popular tweets usually get a large number of retweets and favorite counts. The plot below confirms this hypothesis



Pair Plot (Rating, Retweets, User_followers , Favorites)

In this visualization we show the correlation between Ratings, Retweets, Followers and Favorites.



Conclusion:

- In this project, using Python and its libraries, I will gather data from a variety of sources and in a variety of formats, assess its quality and tidiness, then clean it then act on it through analysis, visualization and/or modeling.
- The most rated dog was **Golden retriever** and **Labrador Retriever** is second rate dog.
- The most common type of dog is Pupper.
- The Twitter account WeRateDogs (@dog_rates) is devoted to humorously reviewing pictures of dogs doing adorable poses.