

"WeRateDogs" ANALYSIS REPORT

WeRateDogs (dog rates) is a Twitter account that rates people's dogs by leaving a humorous comments about the dog. I gathered the necessary data from three different sources, clean the data and then performed an analysis to understand the trends and features while presenting my observation through visualization. The result of the study is shown below;

1.0 Which Dog Breeds Has the Highest Ratings

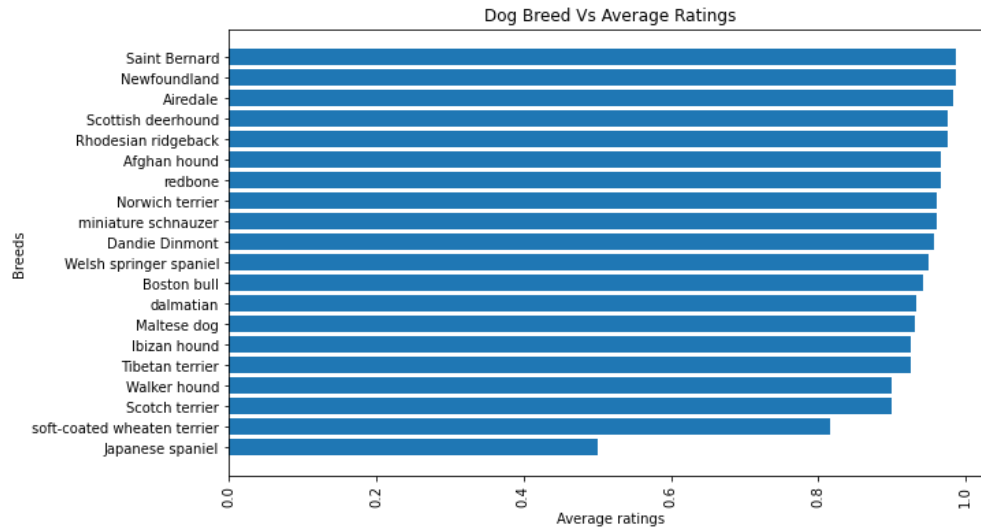


Fig 1; Graph of Dog breed against average ratings

From the graph above, it can be observed that some dogs got higher ratings than others. Higher ratings were observed among Saint Bernard, Newfoundland, Airedale and Scottish Deerhound breeds.

2.0 Which Dog Breeds Has the Highest Retweets

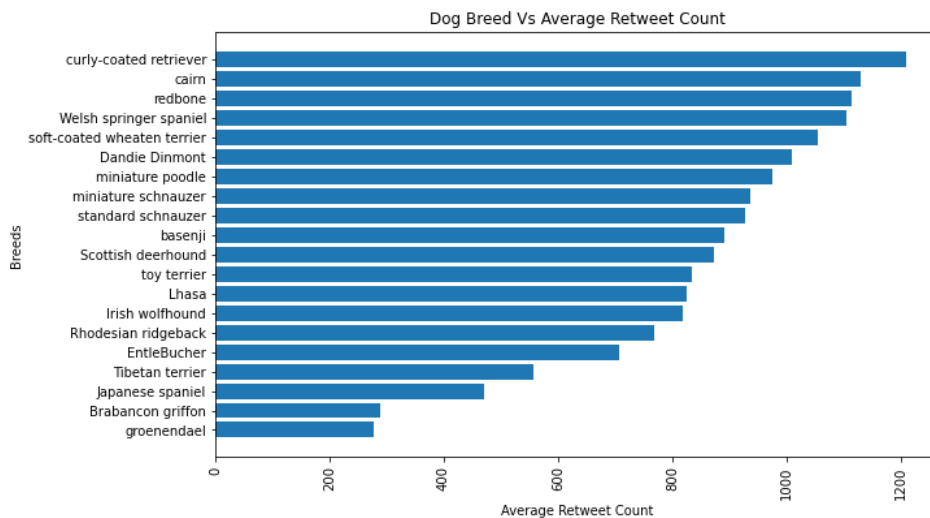


Fig 2; Graph of Breeds against Average Retweet Count

The above plot shows that Curly Coated Retriever, Calm, Red Bone, Welsh Springer Spaniel and Soft Coated Wheaten Terrier are the dog breeds with the highest number of retweets.

3.0 Which Dog Breed Has the Highest Likes

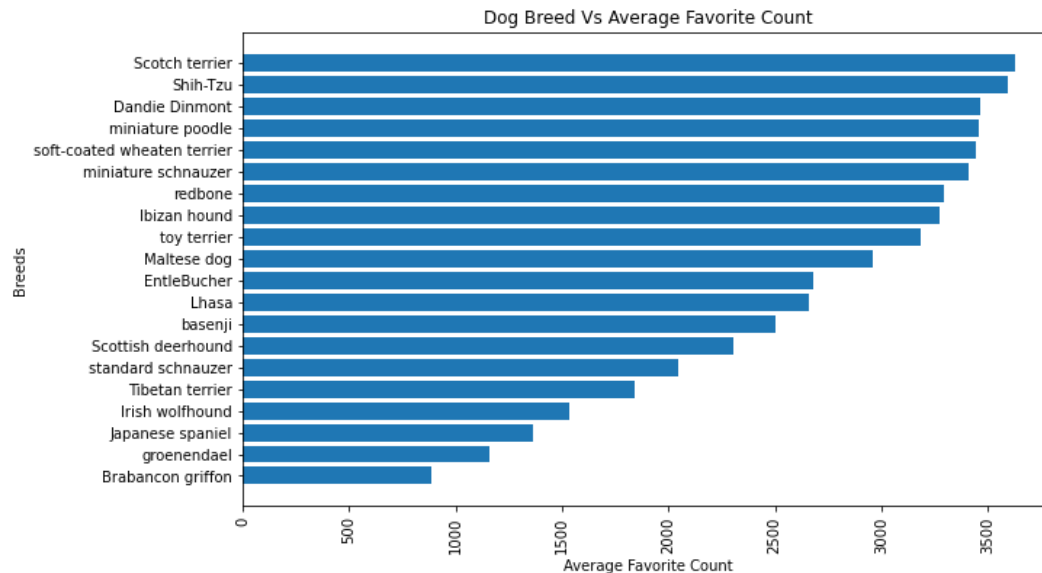


Fig 2; Graph of Breeds against Average Favorite Count

From the above plot, it can be observed that Scotch terrier, Shih Tzu, Dandle Dinmont, Miniature Poodle and Soft Coated Wheaten Terrier are the dog breeds that have the highest number of likes or favorite counts.

4.0 What's The Relationship Between Ratings and Favorite Count (likes)

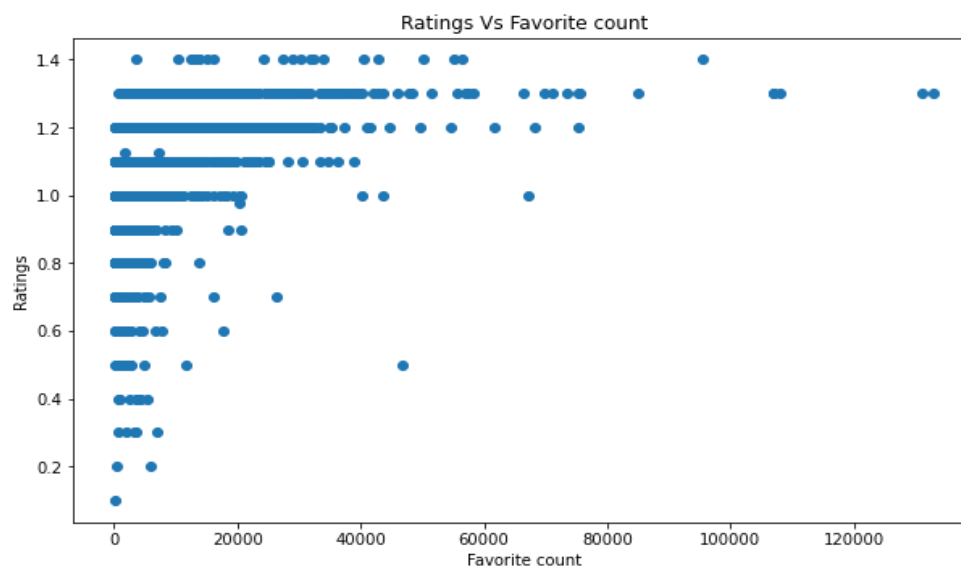


Fig 4; Plot of ratings Vs Favorite Count

There isn't a general relationship between ratings and likes since dogs with both low and high number of likes have higher ratings. However, dogs with high high number of likes are observed to have higher ratings.

5.0 What's The Relationship Between Ratings and Retweet Count

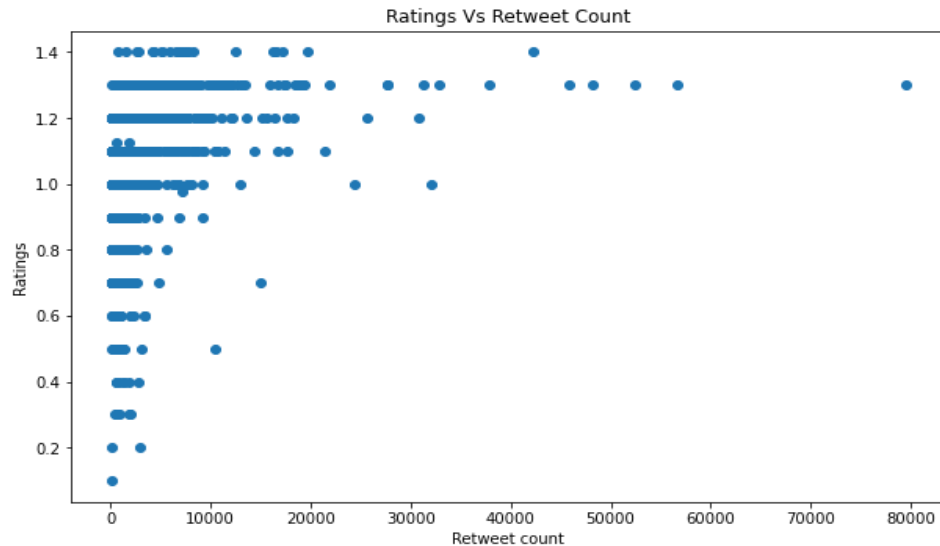


Fig 5; Plot of Ratings Vs Retweet Count

Just like the relationship observed between Ratings and Favorite Count, there isn't a general relationship between ratings and retweet count since dogs with both low and high retweet count have higher ratings. However, dogs with high retweets are observed to get higher ratings.

6.0 The relationship between retweet count and favorite count (likes)

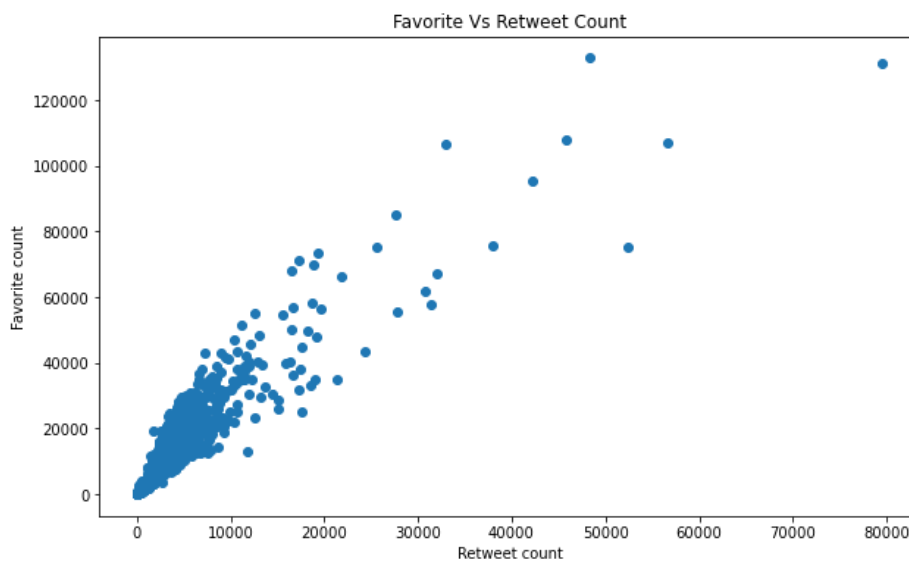


Fig 6; Graph of Likes Vs Retweets.

A sort of linear relationship existed between likes and retweets. The more a dog is liked, the retweet it get,

7.0 The Popular Breeds

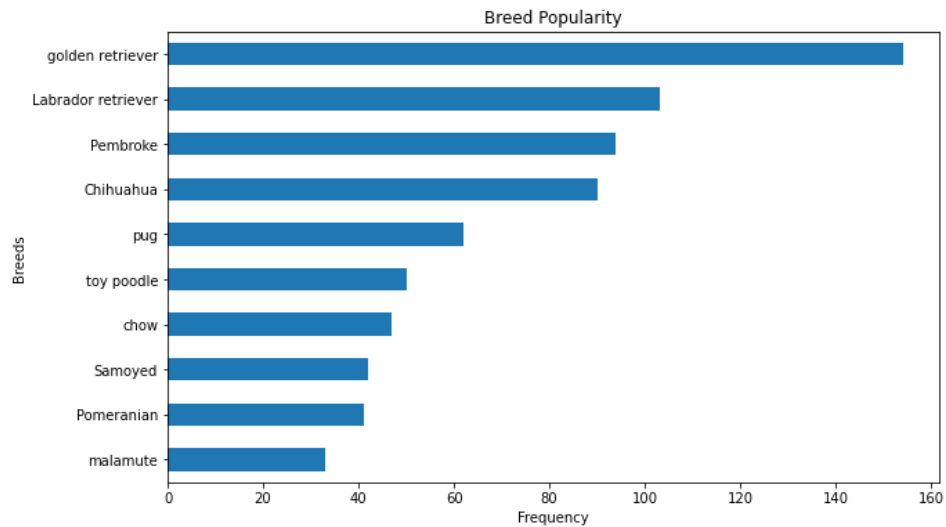


Fig 7.0; Graph of Breeds Popularity

The majority of the dogs that were rated are Golden Retrievers, followed by Labrador Retriever, Pembroke, Chihuahua and Pug, in that order.

8.0 Dog Stage with the most ratings

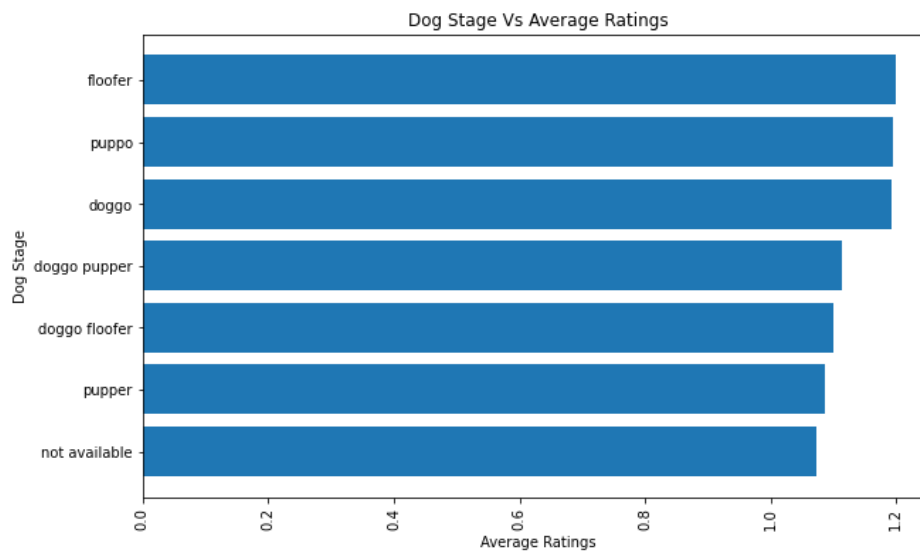


Fig 8.0; Dog Stage Vs Average Rating

Dogs that are classified as duggo and puppo were rated highest, followed by floofers, puppo, doggo, doggo and pupper, doggo and floofer in that order. Of the 7 stages categories, Pupper received the least ratings.

9.0 Tweets Sources

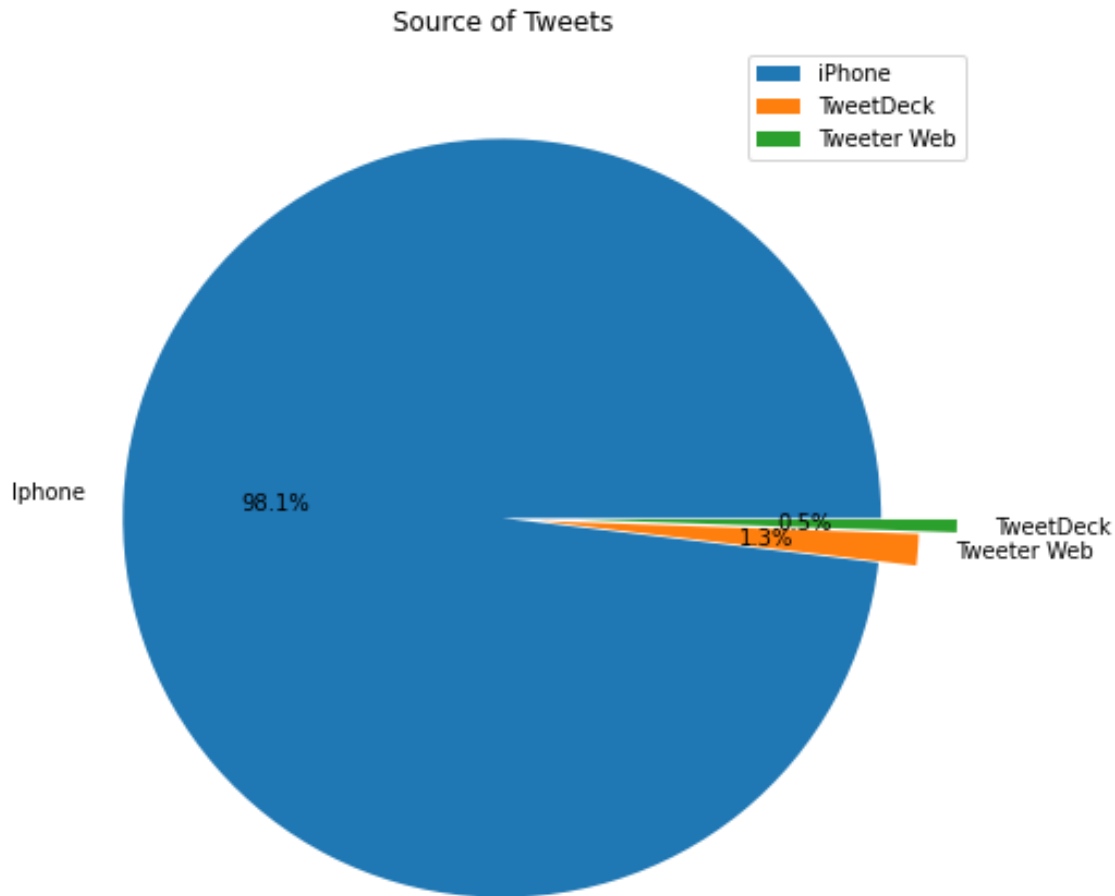


Fig 9; Tweet Sources

The majority of the tweets were made from mobile iPhones, followed by web and TweetDeck

Limitations

Several tweets with incoherent ratings and whose image predictions weren't dogs were dropped during the data cleaning process. While it is important to drop these tweets for consistency and correctness, it likely will affect the overall result of the analysis.