

# Analyze Visualize Report

Done by  
Nahayo Gilbert

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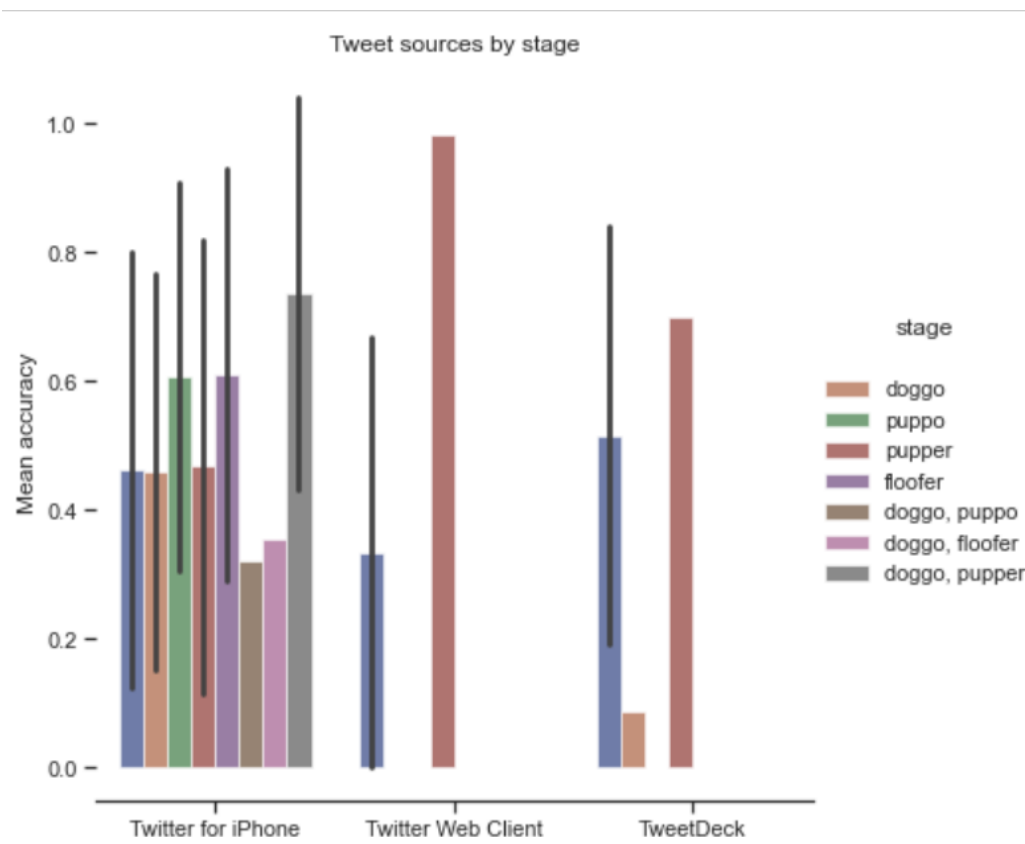
# Introduction

In this report, we will go through different methods used to visualize and get insights form the cleaned, merged, and stored data set of the tweet archive of Twitter user @dog\_rates, also known as WeRateDogs.

## Visualization and Insights

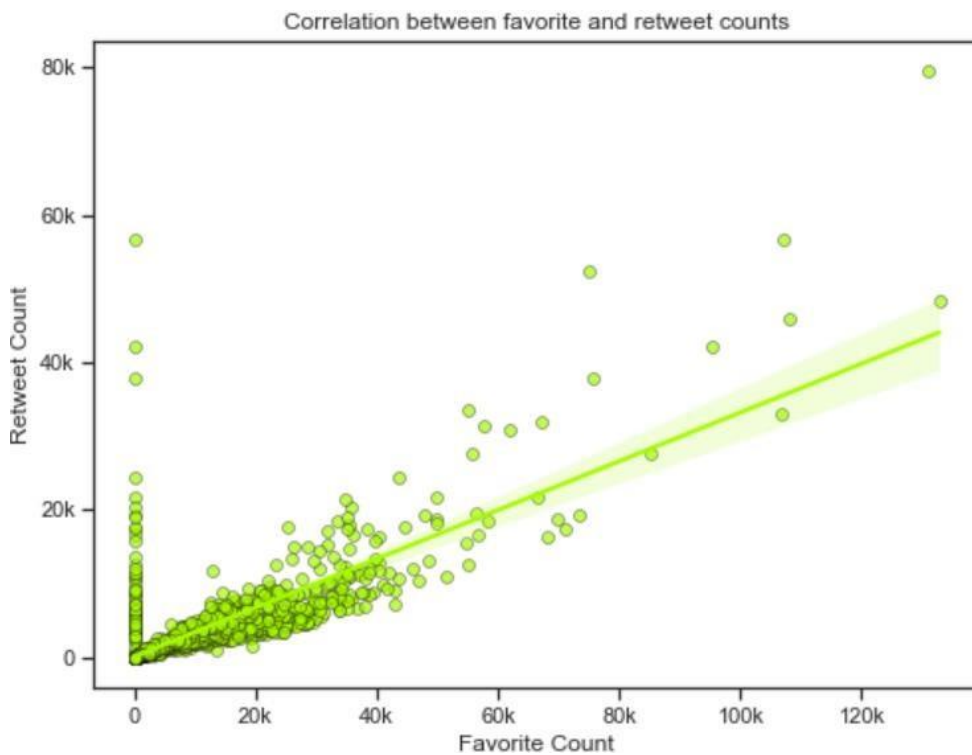
### 1. Most used twitter sources

Below visualization shows that the majority of tweets were from iphone users. The bar chart contains the mean values of accurate images predictions of different dog stages and different sources used to rate dogs. Other twitter sources used include web browsers and TweetDeck.



## 2. Correlation between favorite and retweet counts

Below visualization shows that favorite and retweet counts have positive correlation as there is a high concentration at the beginning of the graph up to four thousand favorite counts. Additionally, most counts fall under regression line.



### 3. most popular dog breeds

Below word cloud visualization shows the top most popular dog breeds in our data set.

The most popular dog breed is a Chihuahua and Gordon\_Setter is the second most popular breed.

Miniature\_Pinshcher comes at the third place while Welsh\_Springer\_Spaniel takes the fourth place.



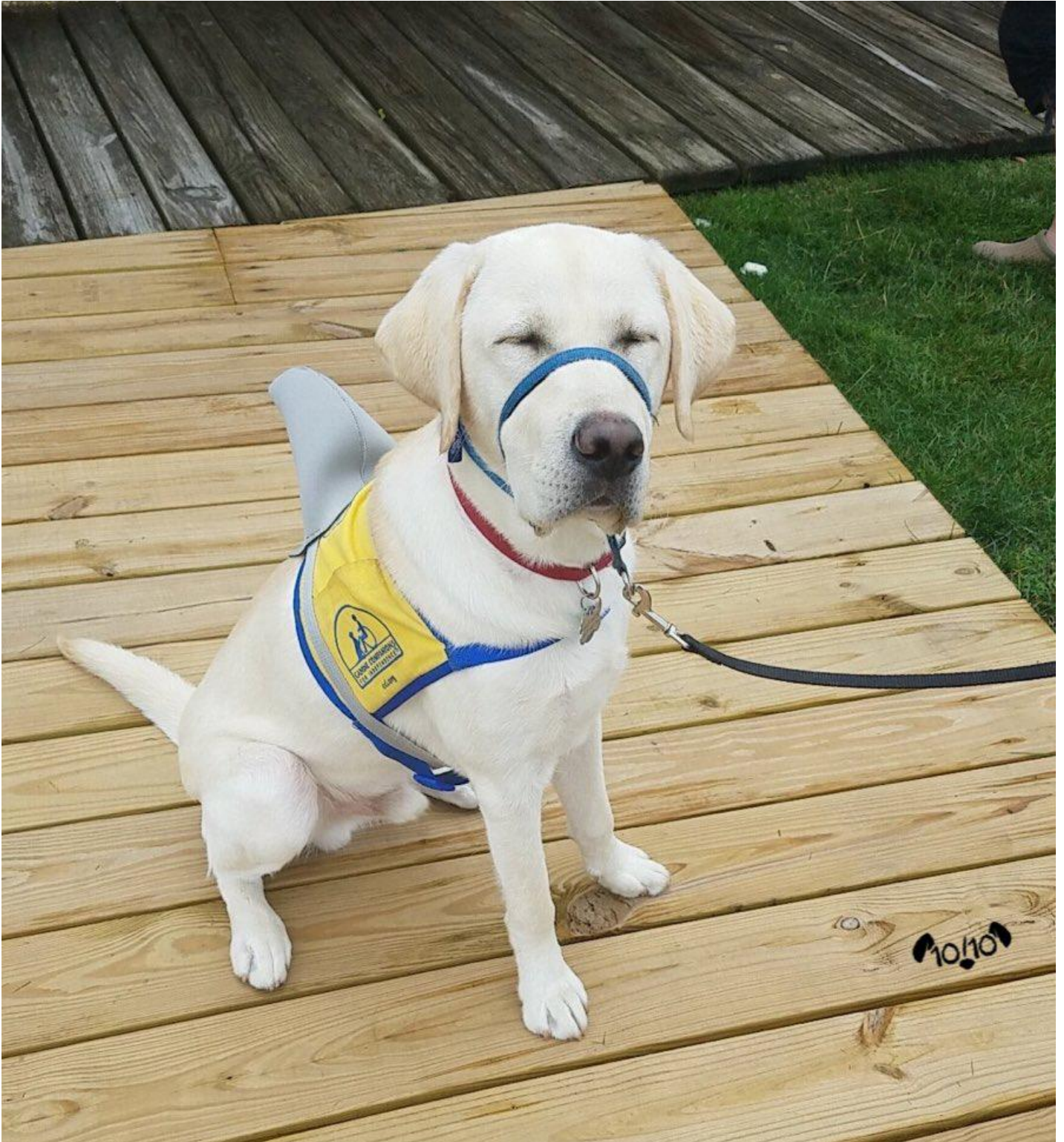
A word cloud visualization showing the top four most popular dog breeds. The words are arranged in a vertical list, with 'Gordon\_Setter'' at the top in yellow-green, 'Chihuahua'' in the middle in dark purple, 'Welsh\_Springer\_Spaniel'' below it in blue, and 'Miniature\_Pinshcher'' at the bottom in yellow-green. The font size of each word is proportional to its popularity, with 'Chihuahua'' being the largest.

Rank	Dog Breed
1	Chihuahua'
2	Gordon_Setter'
3	Miniature_Pinshcher'
4	Welsh_Springer_Spaniel'

Below we have few samples of the dogs which were rated 10/10







## Conclusion

Our data set was having multiple data to visualize and get insights from, but we focused on only three which gives a whole overview. Further visualization can be done like plotting a bar chart that shows most popular dog names and dogs with highest ratings. Pie chart of predicted dogs images compared with other animals to show the prediction accuracy.