

Analyzing and Visualizing Tweets from Twitter Account WeRateDogs



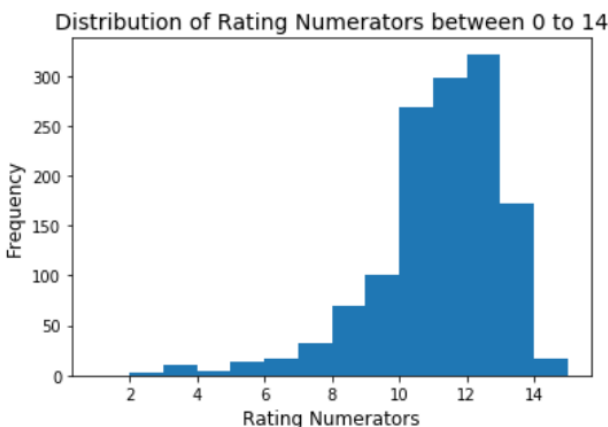
A Screenshot of WeRateDogs Twitter Account

Introduction

In this project, the tweet archive of Twitter user @dog_rates, also known as WeRateDogs will be wrangled and analyzed. This account rates people's dogs with a humorous comment about the dog and typically a rating out of 10. WeRateDogs asks people to send photos of their dogs which are rated on a scale of one to ten, but are invariably given ratings that exceeds the maximum. This project analyzed 1,336 tweets from November 2015 to August 2017. Of note, the dataset was not completely cleaned.

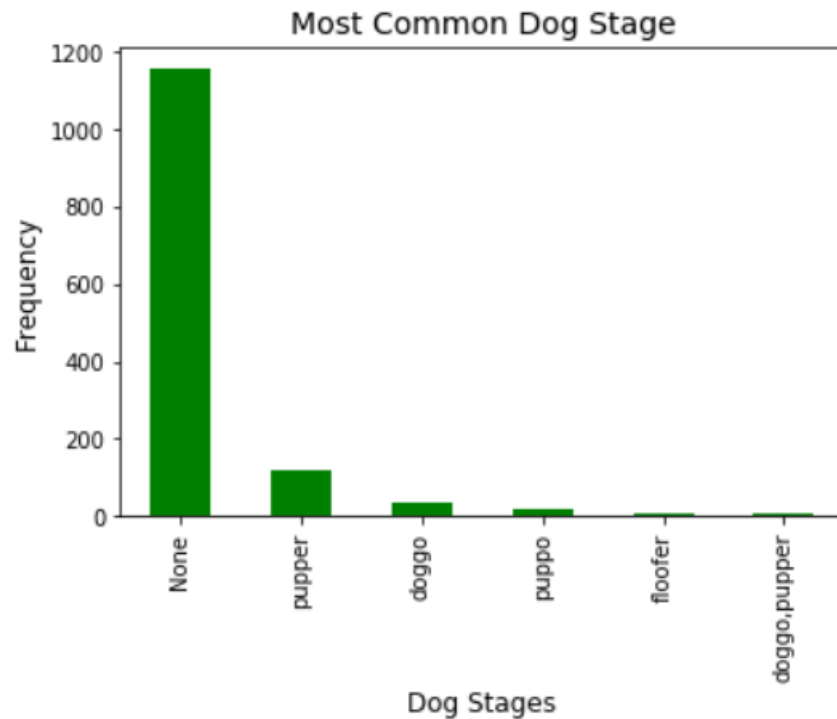
Data Analysis and Visualization

What is the Most Common Rating?



The rating distribution is left-skewed and peaks at 12. Most tweets are given a **rating between 10 to 13**. Moreover, the most common rating is 12/10, followed by 11/10, 10/10, and 13/10. The outliers are 1776/10, 75/10, and 27/10.

What is the Most Common Dog?



While most of the dog stages are unknown, **pupper** is the most commonly known dog stage, followed by doggo and puppo. Doggo has the highest rating of 12/10 (followed by a tie 11/10 and 13/10). Floofer also has the highest rating of 12/10. Pupper has a rating of 11/10, followed by 10/10. Puppo has a highest rating of 12/10, followed by 13/10. There doesn't seem to be a correlation between dog stages and ratings.

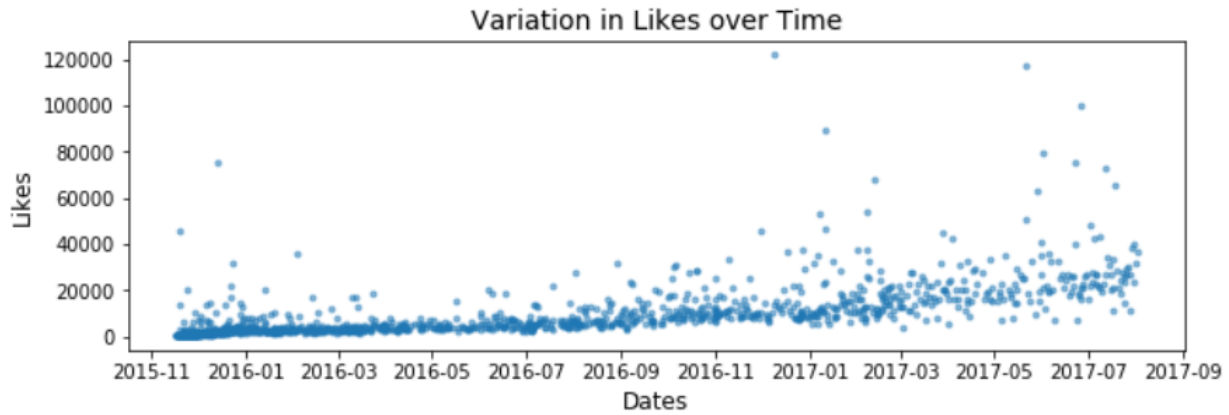
What is the Relationship between Ratings and the Number of Likes?

There is **an overall positive correlation** between ratings and the number of likes. Generally, the number of likes increases as the ratings increase, especially for ratings 2-13/10.

What is the Relationship between Ratings and the Number of Retweets?

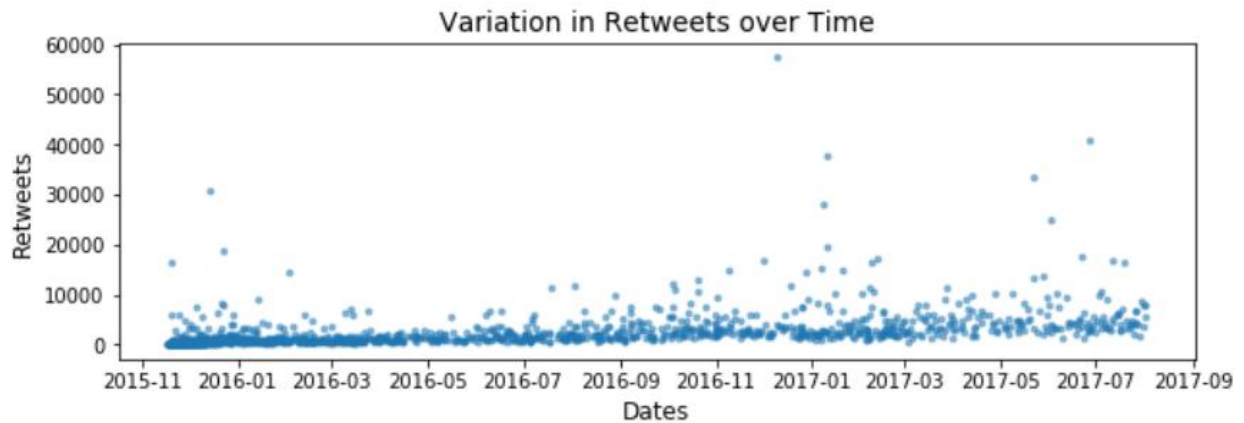
There is **an overall positive correlation** between ratings and the number of retweets. Generally, the number of retweets increases as the ratings increase, especially for ratings 2-13/10.

How Does the Number of Likes Vary over Time?



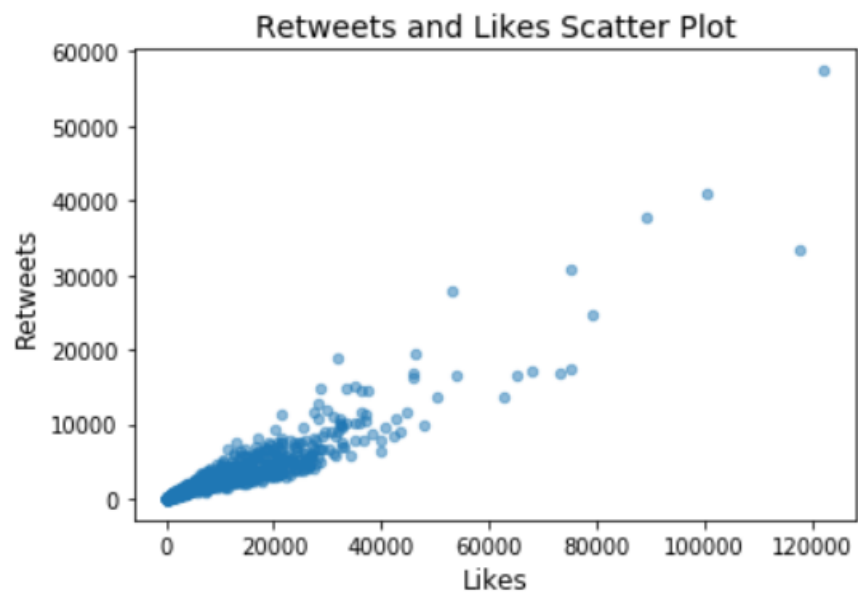
The number of Likes steadily **increased** over time.

How Does the Number of Retweets Vary over Time?



The number of retweets **slightly increased** over time but at lower rate than the number of Likes.

What is the Relation between Retweets & Likes?



Retweets are **strongly positively correlated** with Likes.