Data Analysis Nanodegree

Data Wrangling Documentation
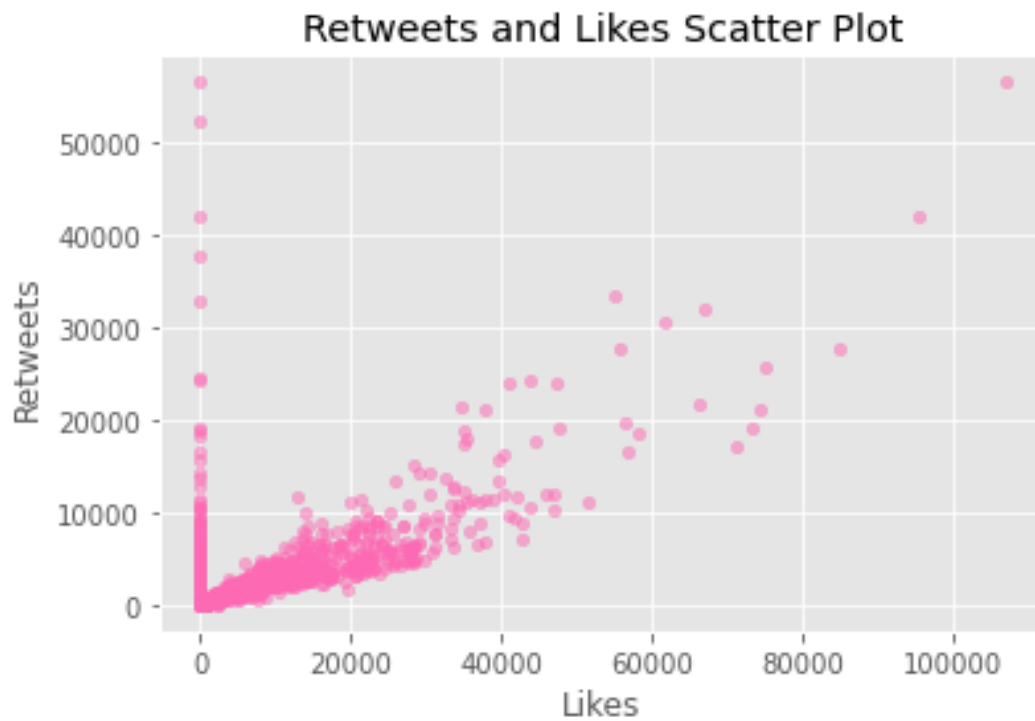By Reem Alhathbi

INTRODUCTION:

WeRateDogs is a Twitter account that provides a humorous comment about people's dogs. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because "they're good dogs Brent." WeRateDogs has over 4 million followers and has received international media coverage. The goal of this part of the project was to wrangle WeRateDogs Twitter data to create interesting and trustworthy analyses and visualizations.

THE ADDRESSED QUESTIONS:

1- **Are there any relationships between retweets and likes?**
2- **What is the most popular source?**
3- **What is the most stage for dogs?**
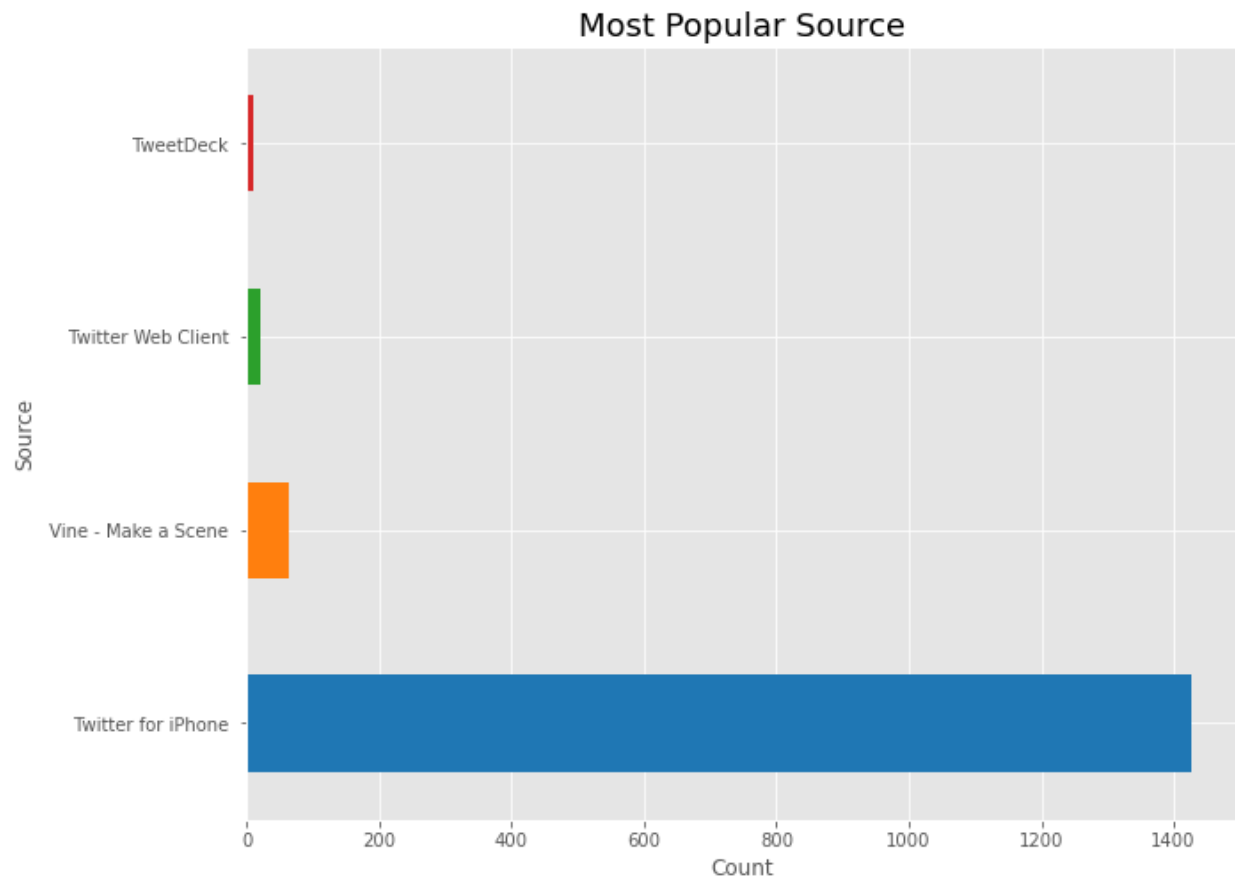4- **What is the average monthly number of tweets?**
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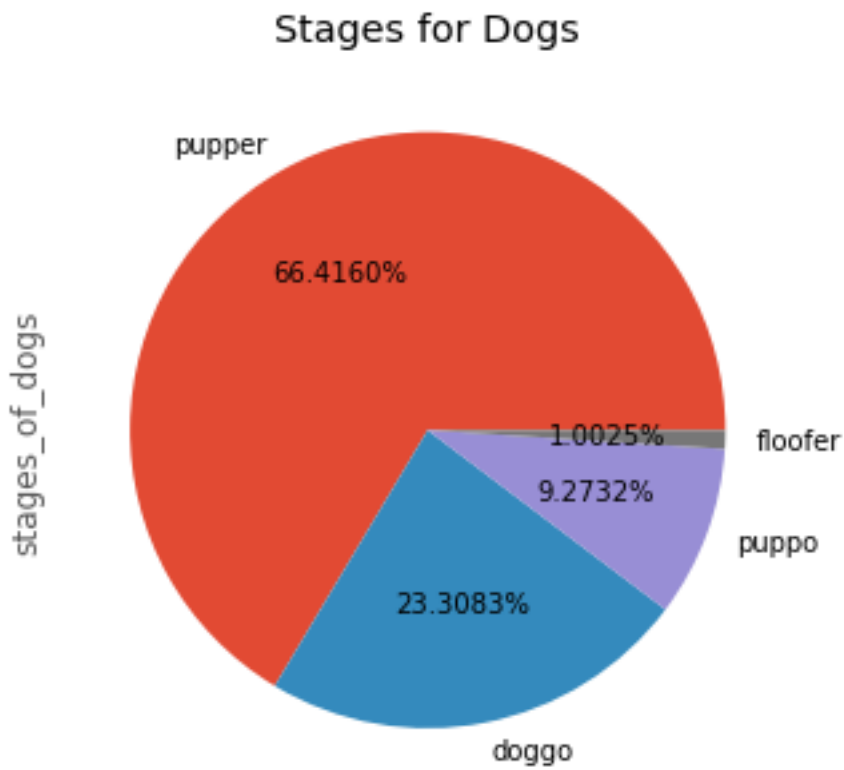## TO ANSWER THE QUESTIONS, I USED DIFFERENT VISUALIZATIONS AND METHODS.

The scatter plot indicates that there is a strong correlation between retweets and favorites. This relation is called Positive Correlation. The increase in retweets leads to an increase in likes.
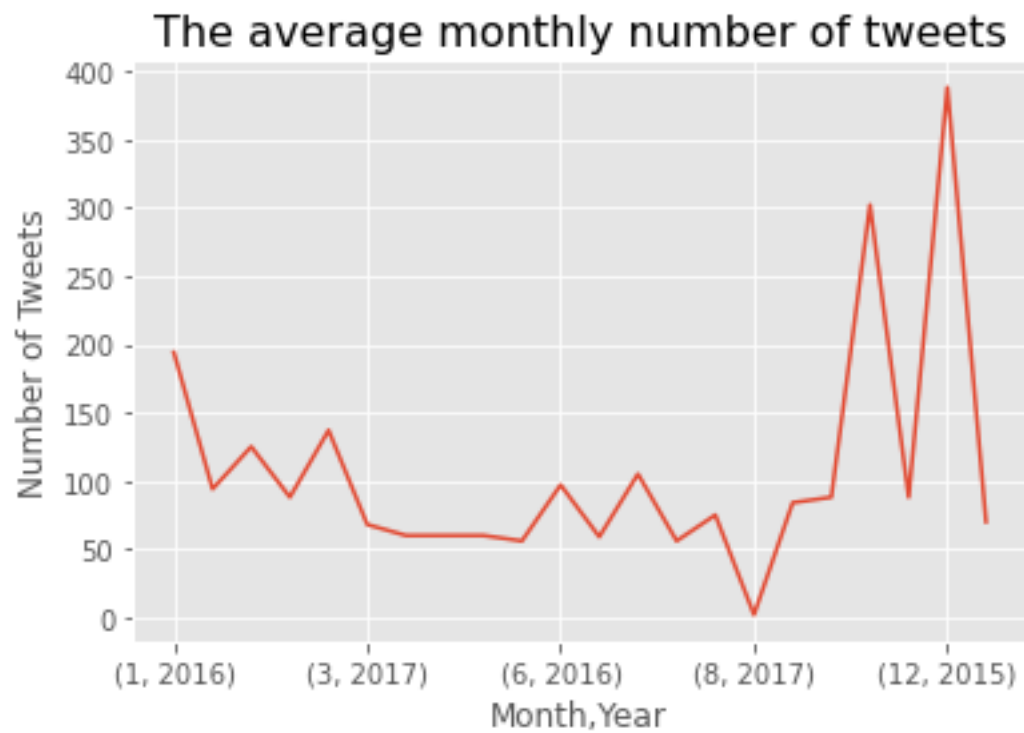
2- WHAT IS THE MOST POPULAR SOURCE?

As it shown above, the most popular source is 'Twitter for iPhone'.

3- WHAT IS THE MOST STAGE FOR DOGS?

Stages for Dogs

Pupper is the most common dog stage, appearing in 66% of the dataset. Next is doggo, which appeared %23 times.

The average monthly number of tweets

Tweets dropped over time, with spikes in inactivity during the early months of 2016(Jan), 2016(Mar), and generally declining from there.