

Data Analysis Report

Abdullah Alhussain

18/11/2022

Introduction:

This project aims to analyze data for a Twitter account called “WeRateDogs @dog_rates”. In this account, dogs are rated with humorous comments, and although the rating denominator is 10, the rating numerator is usually higher than 10, e.g., 11 and 12. These funny facts about this account are some of the reasons behind its popularity.

The data in this project has been collected from three sources. The gathered data was assessed and cleaned. In this report, the insights derived from the cleaned data are reported. The analysis started by posing four research questions as follows:

Research Question 1: How does dog rating affect retweet and favorite counts?

Research Question 2: Is there a correlation between retweet count and favorite count?

Research Question 3: Which tweet source is more common?

Research Question 4: Which dog stage is more common?

In the next parts of the report, detailed answers are provided for these research questions. The answers for these research questions represent the insights that are derived from the data.

Research Question 1: How does dog rating affect retweet and favorite counts?

We can see from Figure 1 below that there is a positive correlation between dog rating and retweet and favorite counts. Dogs which are highly rated are expected to get more retweets and likes.

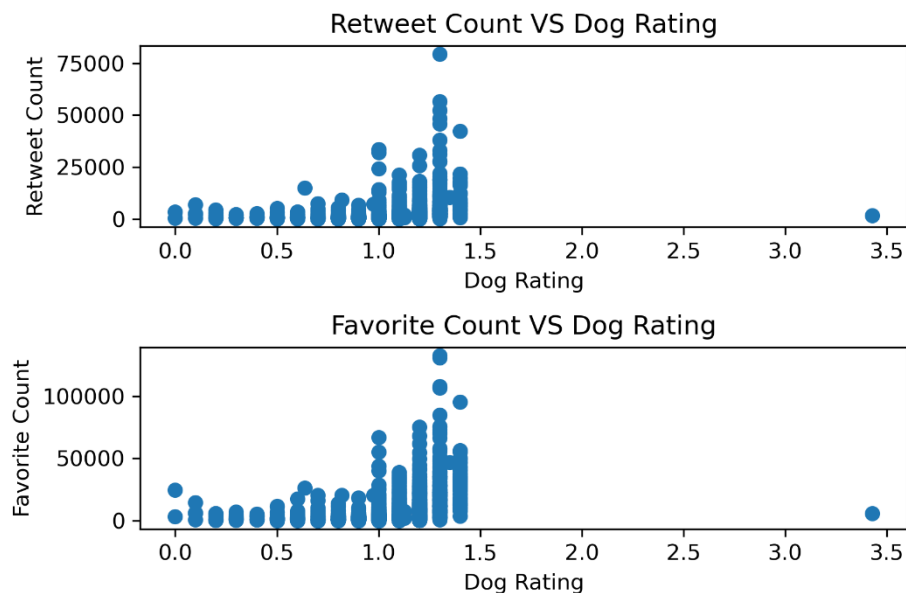


Figure 1

Research Question 2: Is there a correlation between retweet count and favorite count?

From Figure 2, there is a positive correlation between retweet count and favorite counts, and this is expected.

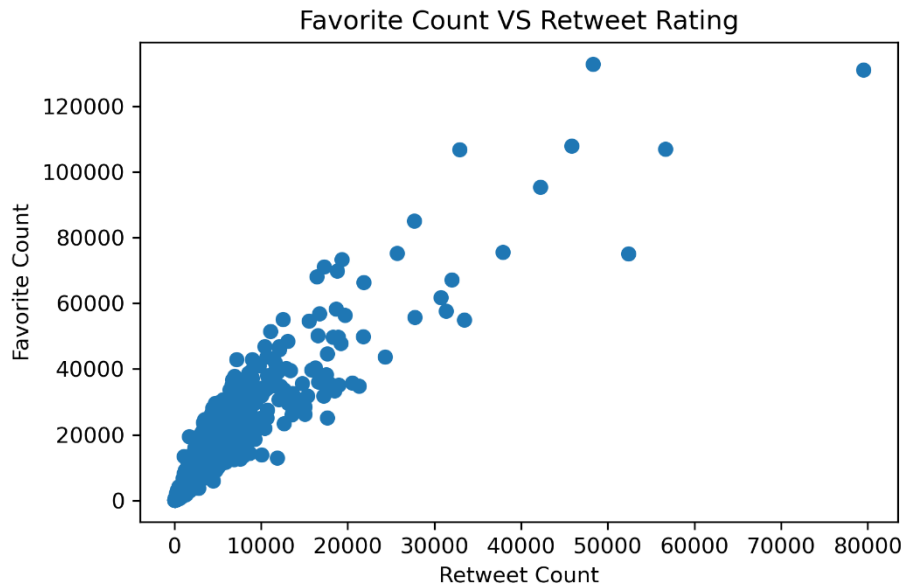


Figure 2

Research Question 3: Which tweet source is more common?

Figure 3 shows clearly that the most common source is "Twitter for iPhone".

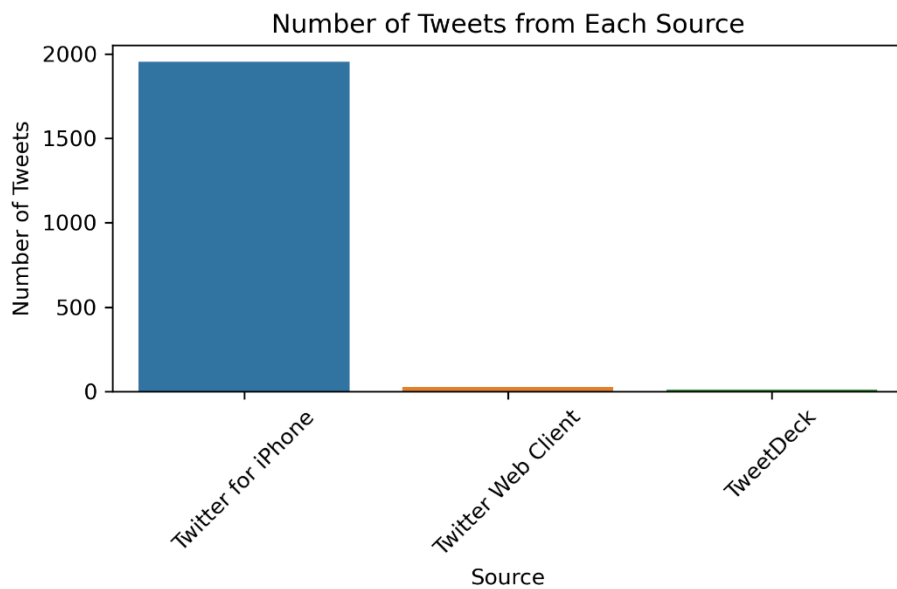


Figure 3

Research Question 4: Which dog stage is more common?

In Figure 4, the frequency of appearance of each dog stage is clearly shown. The most common dog stage is 'pupper'.

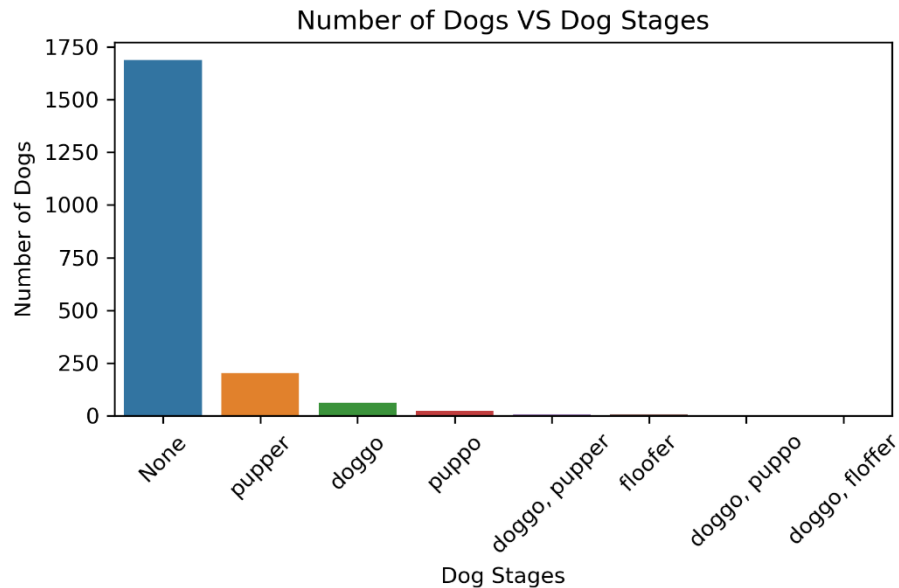


Figure 4

Conclusion

In conclusion, dog rating has an impact on the number of retweets and likes. Therefore, the higher the rating of the dog, the higher the chance that the number of retweets and favorites the tweet might get is high. Also, favorite count and retweet count are highly correlated with each other, and this finding agrees with the initial thought that everybody could think of. Furthermore, the analysis shows that the most common source for tweets is "Twitter for iPhone", where the most common dog stage is "pupper".