Analysis of dog ratings from WeRateDogs Twitter account

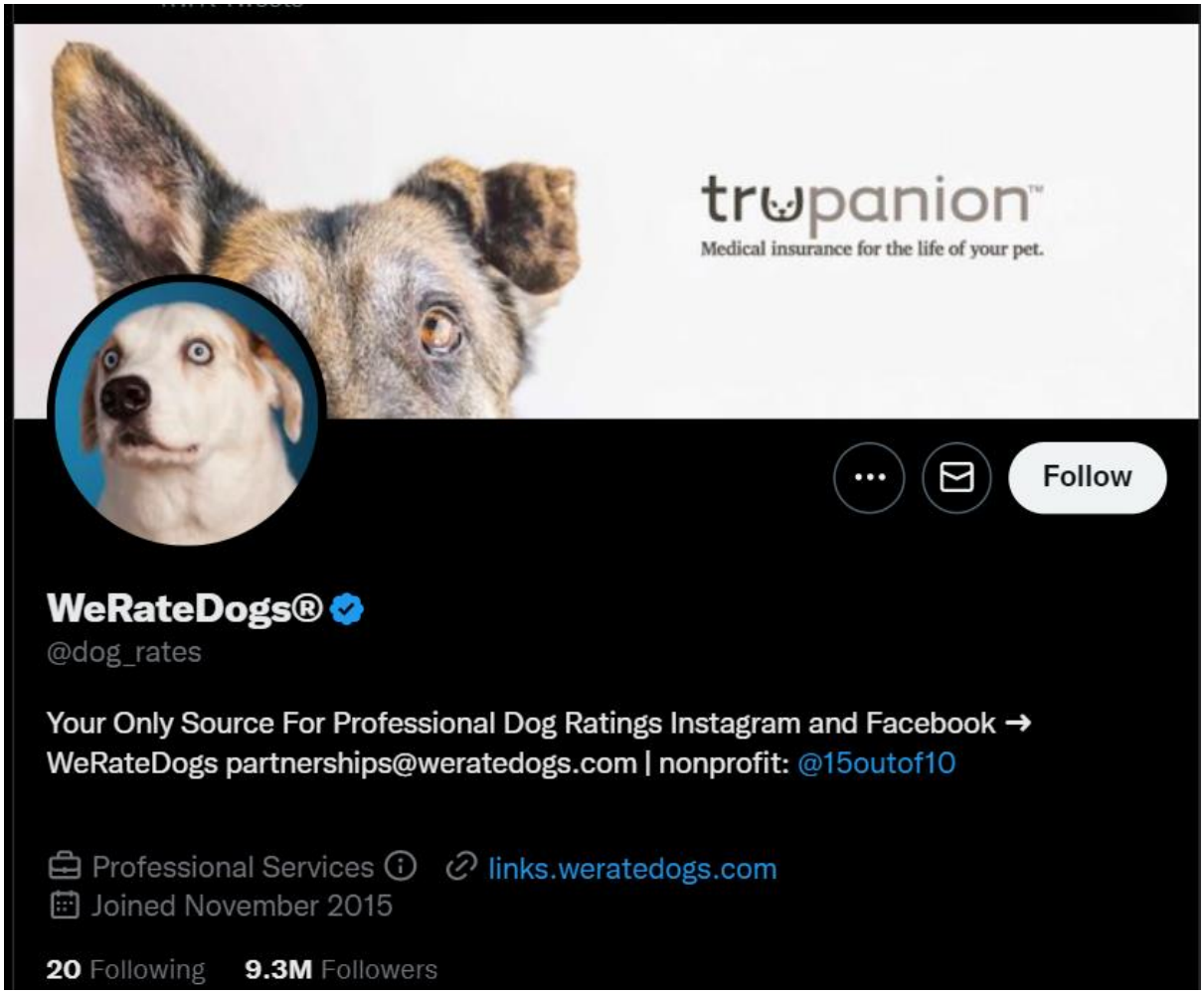

Figure 1 The WeRateDogs Twitter account

WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. 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 9 million followers now and has received international media coverage. This article analysed the data on the WeRateDogs as they stood on August 1, 2017. The image below shows an example of how users rate their dogs

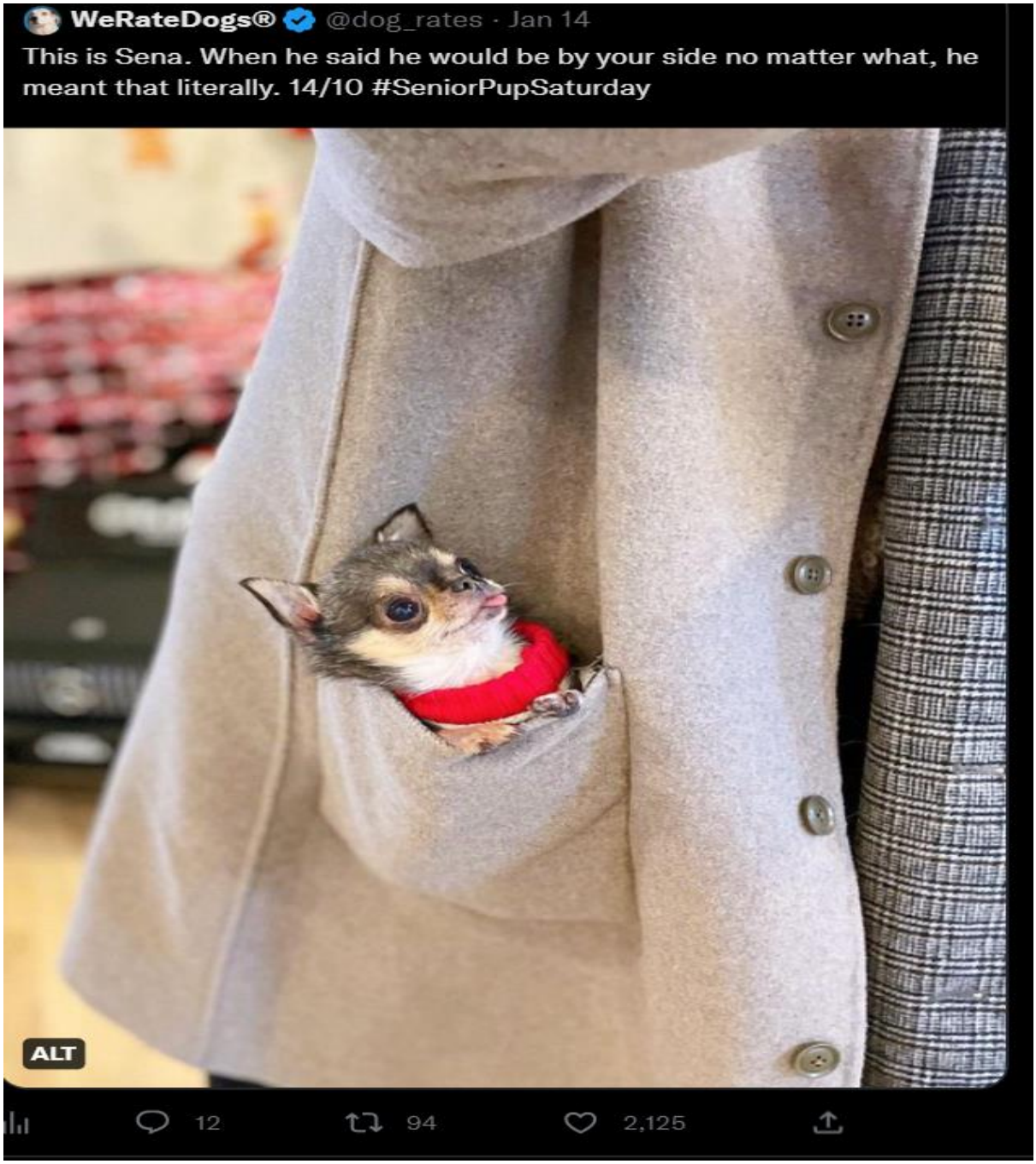

Figure 2 An example of a dog ratings on WeRateDogs Twitter account

Three datasets were used in this project:

1. twitter-archive-enhanced.csv
2. image_predictions.tsv
3. tweet_jason.txt extracted using tweepy API

After wrangling process on the 3 datasets the following major insights were identified.

Major inights from the analysis WeRateDogs dataset

1. The number of likes and retweets were not influenced whether the dog stage was included or not,

Hence, we can conclude that people liked dogs regardless of their stages of growth.

2. The rating numerator adn denominator was not standardize hence the rating criteria depended on the user rating the dog. Some ratings have denominators above 100 whilst some have denominator ratings of ten.
3. Most of the tweets in the data set did not contain dog class
4. Most of the dog rating tweets were tweeted using mobile device Iphone

Visualization

In order to understand the how did the dog classes were distrubted across the data set a bara graph showing the likes and retweets across each dog class was plotted as shown below in Figure 1.

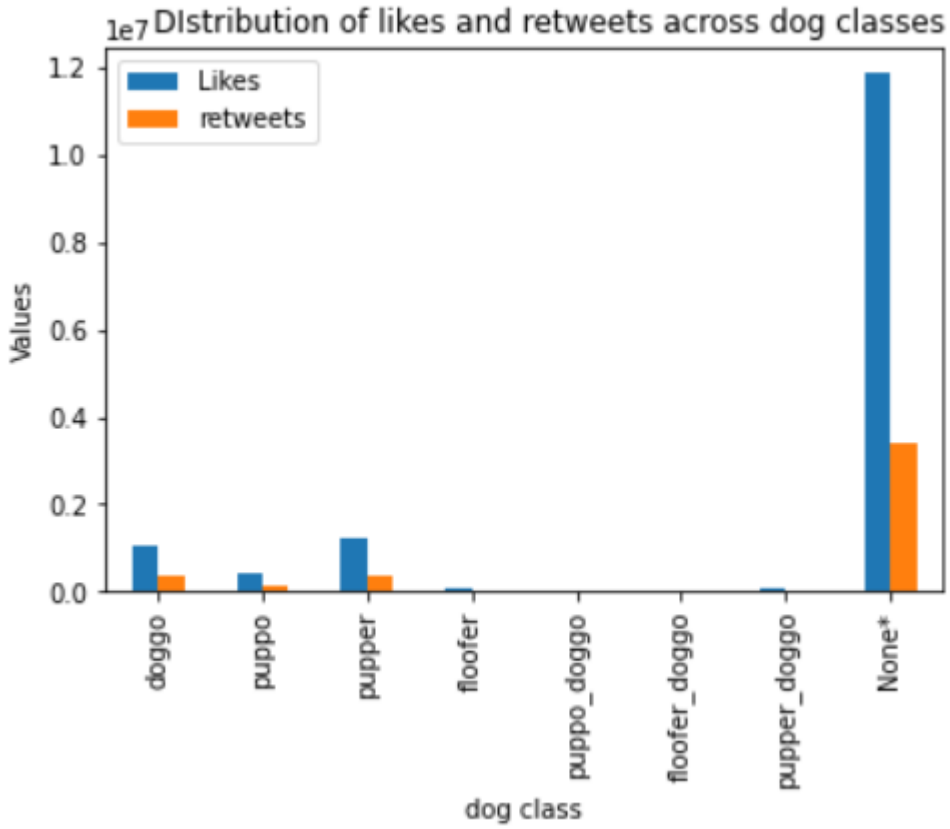

Figure 3 Distribution of likes and retweets in dog classes

From figure three it can be concluded that Twitter users who likes and tweeted the dog ratings were not biased to toward dog class.

Furthermore, in order to understand the sources where people were posting their dogs from, a table of sources was created as shown below in Table 1 and Figure4.

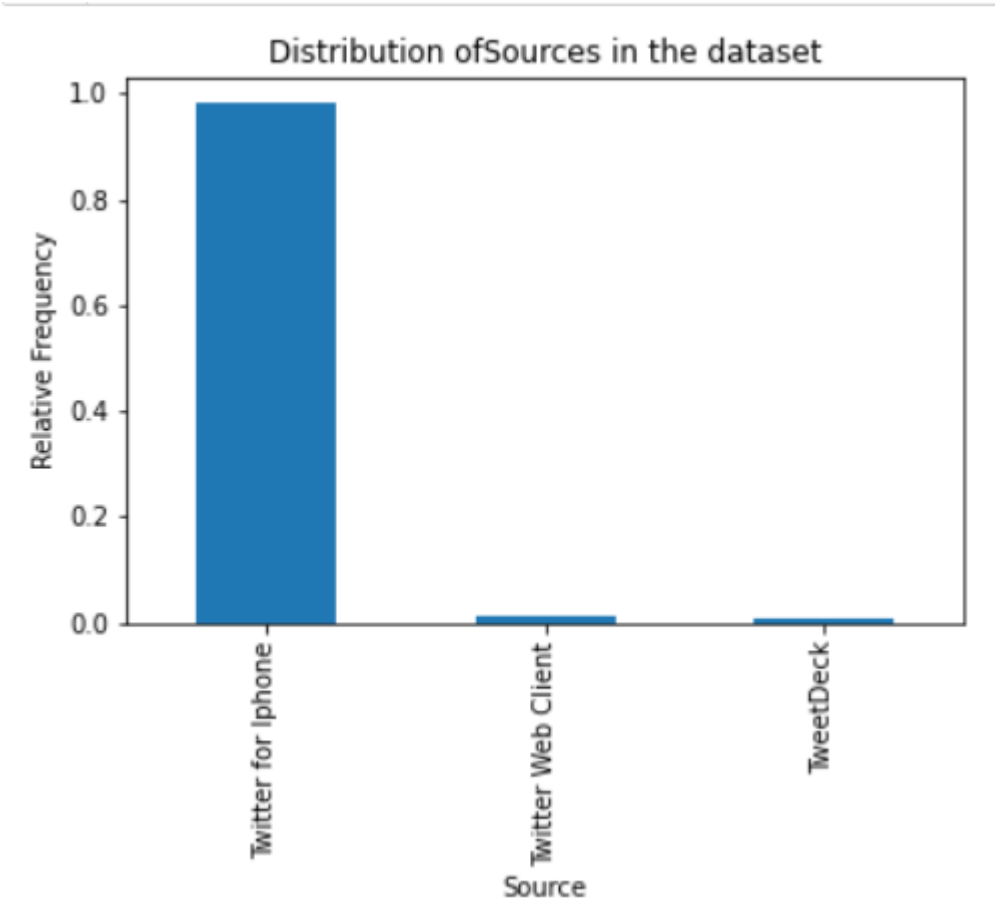

Table 1 Sources of dog ratings

Source	Count
Twitter for Iphone	2032
Twitter Web Client	30
TweetDeck	11

From table 1 it can be concluded that many people who posted their dog ratings on WeRateDogs account were Iphone users followed by Twitter Web Client users. It makes sense that many posts for the dogs were from Iphone, which is a mobile device. Many people use their phones when they are relaxing and are scrolling social media in their free time. Hence, it can be concluded that people who posted their dog ratings were doing it as relaxation activity instead of a business activity.

Lastly the distribution of dog classes I the data set was analysed as shown below in Figure4.

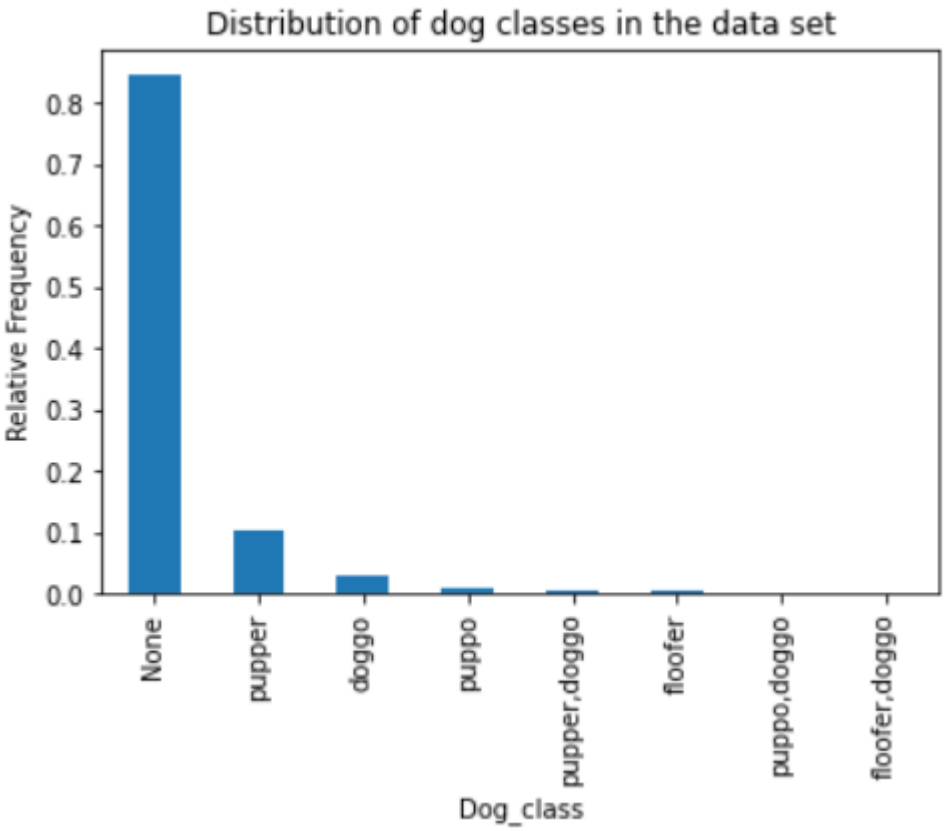

Figure 4 Distribution of dog classes

From Figure 4 it can be concluded that 80% of the data did not contain the dog growth stages. Also pupper dog class constituted 10 % of the data set values. This could be attributed to the fact that many people who rated their dogs were not sure which growth stage were their dogs. Furthermore, very few people rated their dogs as puppo, doggo or floofer, doggo.