INSIDE WE RATE DOGS

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. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10.
The account was started in 2015 by college student Matt Nelson, and has received international media attention since then.

Figure 1. Sample Image from WeRateDogs via Twitter

We Decided to take a little nose dive into some insights in what have become a renowned brand and we collected some WeRateDogs twitter data to answer some questions we might have.

Figure 2: WeRateDogs Twitter page

After analyzing over 2k WeRateDogs tweets, we had the following questions we wanted answers to.

Question 1:

What are the names of the top 10 dogs with the highest retweet count and their ratings?

A deep into the data provided to us we had we found that a dog named "Stephan" had the most retweets in that period of time with a whopping 51,455 retweets. Followed by "Duddles" who garnered over 35000 retweets.

Below is a table containing a complete list of the dogs with the most retweets (Figure 3) and snapshot of the WeRateDogs post for Stephan (Figure 4).

name	rating_numerator	retweet_count
Stephan	13	51455
Duddles	13	37291
Bo	14	34438
Jamesy	13	30074
Kenneth	10	27666
quite	12	26186
Buddy	13	25030
Zoey	13	22669
Sunny	14	17734

Figure 3: Dogs with most Retweets

Figure 4: Snapshot of WeRateDogs post of Stephan

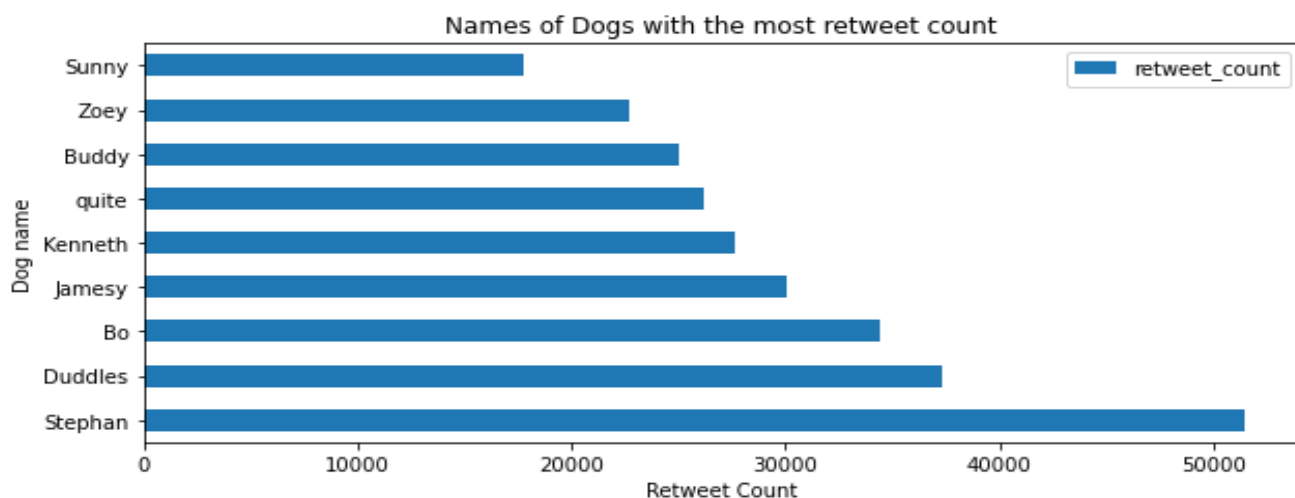The list can be better visualized by the chart below in Figure

Figure 5: Bar chart of dog names with most retweets

Question 2:
 In the Nine most retweeted dogs we analyzed, which dog rating had the most average retweets?

Using Aggregation methods, we can generate a list of the different ratings given to each of the nine dogs and which rating got the most average retweets and here is the result below.

	retweet_count
rating_numerator	
13	33303.8
10	27666.0
12	26186.0
14	26086.0

Figure 6: Table of Top Ten Dogs ratings and their average retweet count

Finally, we would wonder which rating is WeRateDogs likely to give according to his past ratings. A quick look at the data provided for we see the following

rating_numerator	
12	471
10	425
11	413
13	275
14	38
15	1

Figure 7: Different ratings and their number Of occurrence in the given Data

rating_numerator	
12	0.290203
10	0.261861
11	0.254467
13	0.169439
14	0.023413
15	0.000616

Figure 8: Ratings and their proportion

From the tables above we can see that by given out a 12 rating over 471 times in our data, WeRateDogs rated over 30% of the dogs as a 12/10 and the 15 rating was only given out once in this entire data.
This has been an amazing job into the work done by the WeRatedogs team.