All Dogs Are the Best Dogs, Right?
What the Data Tells Us About WeRateDogs

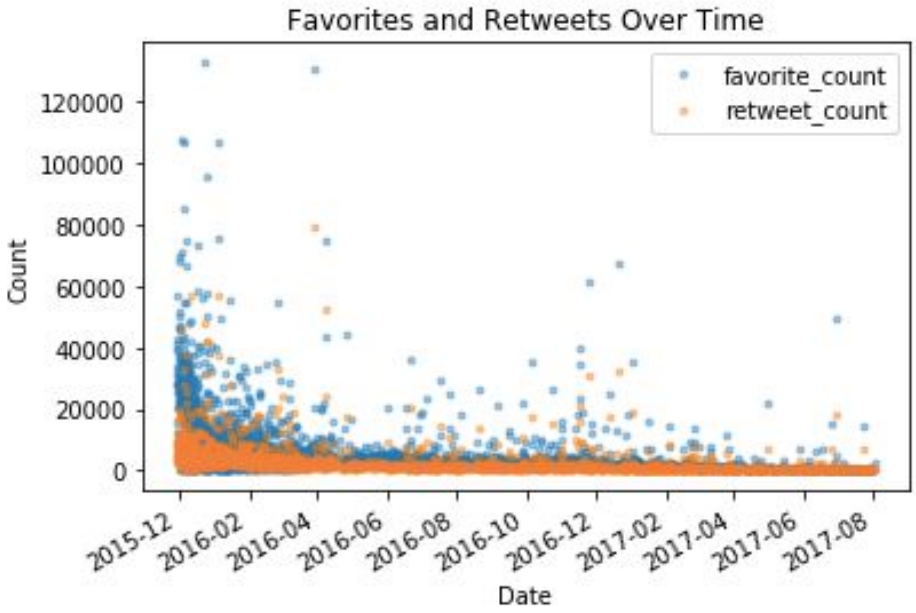
Utilizing three sets of data related to the fun and popular WeRateDogs Twitter page, I wrangled, cleaned and analyzed the available to locate some key insights about the activity on this page between 2015 -2017, as well as what this delightful page might tell us about how we feel about dogs.

WeRateDogs has amassed a cult following over the last several years, which has followed the page and “rated” thousands of dogs, which are categorized as “floofers, puppers, doggos and puppos - each of which carries its own trademark style of what it means to be a cute dog. This has been a wildly popular page, resulting in a book published under the WeRateDogs brand - the DogTionary.

It’s not unusual for some run-of-the-mill super cute pup to be rated somewhere in the neighborhood of “15/10”, because, all dogs are the best dogs, right? I’ve pulled together 5 key findings from the data available via Twitter’s API. Check it out:

1) WeRateDogs' Twitter activities over time

Favorites and retweets associated with the We Rate Dogs page were plotted for the timeframe of November 2015 to August 2017. This visualization of the activity on the page indicates that WeRateDogs was extremely popular a few years ago, as far back as the data goes, in late 2015. However, activity



on the page has decreased over time.

2) What is the most popular source of WeRateDogs' Twitter Activity for users?

```
Twitter for iPhone    2032
Twitter Web Client      30
TweetDeck               11
Name: source, dtype: int64
```

The most popular way to access WeRateDogs is BY FAR the Twitter App for iPhone.

3) What percentage of Dogs on WeRateDogs received a rating of greater than 10/10?

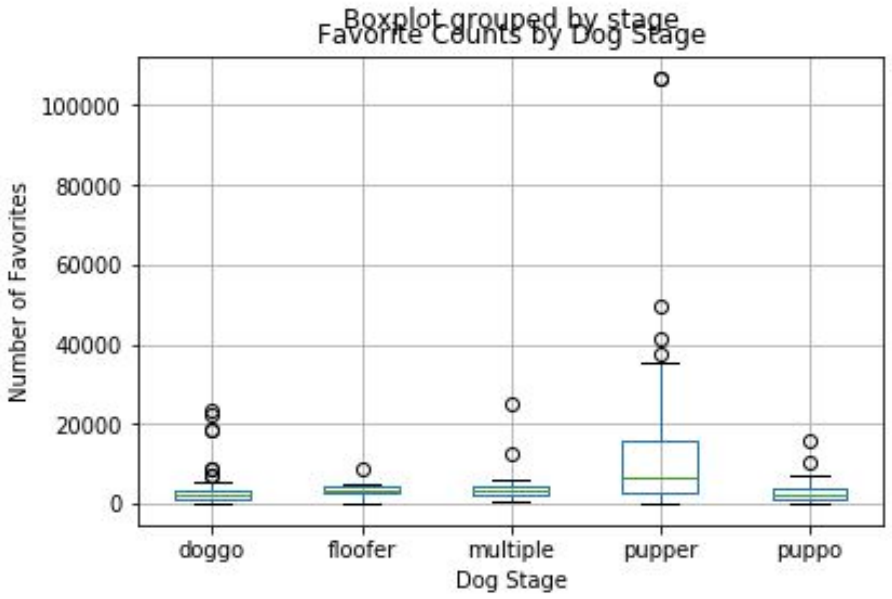
```
# Find total number of rating numerators that are greater than 10

ten_plus = df['rating_numerator'][df['rating_numerator'] > 10].value_counts().sum()
```

```
# Divide the variable above by the total number of tweet_ids
ten_plus / df['tweet_id'].count()
```

```
0.9160636758321273
```

Of the total of 2,073 total Dogs rated on the WeRateDogs Twitter Page, 1899 dogs were rated higher than 10, or approximately 91.6% of dogs!



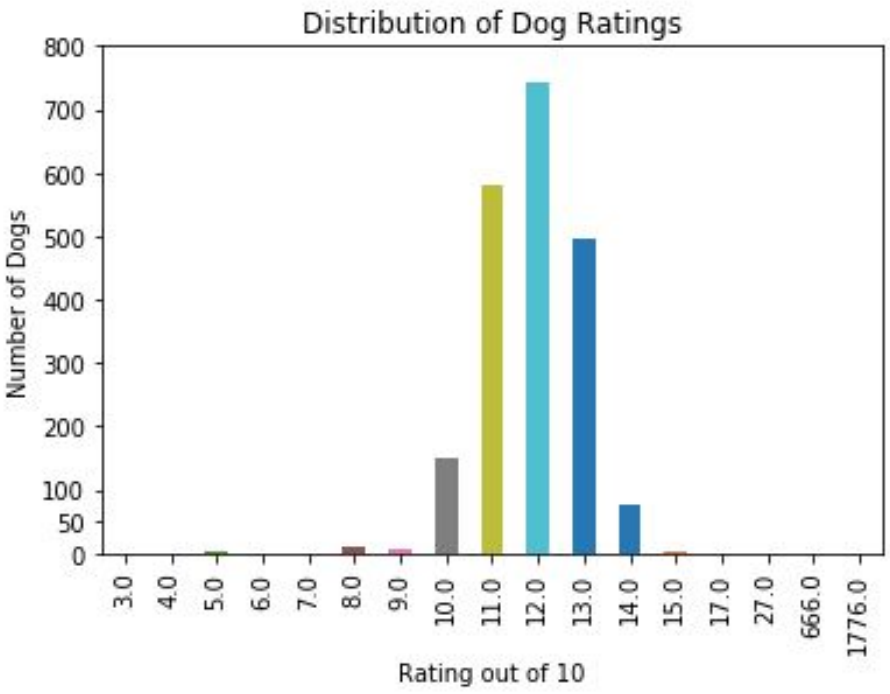
4) How do the individual dog stages compare in terms of favorites received?

According to this box plot, it can be noted that the "pupper" dog stage plot is comparatively tall, with a much larger interquartile range than the rest of the analyzed dog stages. This suggests that there is a higher concentration of favorites in the median area for puppers than the rest.

stage	count	mean	std	min	25%	50%	75%	max
doggo	83.0	3354.192771	4312.968463	115.0	1334.00	2404.0	3477.5	23443.0
floofer	9.0	3365.333333	2638.906497	0.0	2467.00	3022.0	4561.0	8740.0
multiple	14.0	5143.357143	6447.946275	413.0	2300.25	3308.5	4094.0	25124.0
pupper	245.0	10612.195918	12951.117289	0.0	2818.00	6340.0	15939.0	107015.0
puppo	29.0	3062.034483	3324.847145	0.0	1194.00	2091.0	3831.0	15749.0

For doggos, floofers and puppos, it appears that in the first quartile for each plot, there are few to no favorites, indicating that around 25% of these dog stages received a relatively low number of favorites. The comparatively short box plots of the doggo, floofer and puppo stages also indicate a very small number of overall favorites relative to the pupper dog stage. The greatest majority of favorites were not associated with any particular dog stage at all.

The above numbers also support these conclusions. Puppers received approximately 65% of the total favorites that were associated with a particular dog stage. Puppers are the clear favorite dog stage, based on number of favorites received over this time frame.



5) What is the overall rating distribution for We Rate Dogs?

According to this bar chart distribution of overall dogs' ratings out of 10, it may be noted that the most frequent rating on We Rate Dogs was 12/10. We found earlier that 91% of dogs received a rating of higher than 10/10, so this comes as no surprise. The distribution is a fairly normal distribution pattern centering around that mean value of of 12/10.