

WeRateDogs Analysis Report

Udacity Data Analyst Nanodegree
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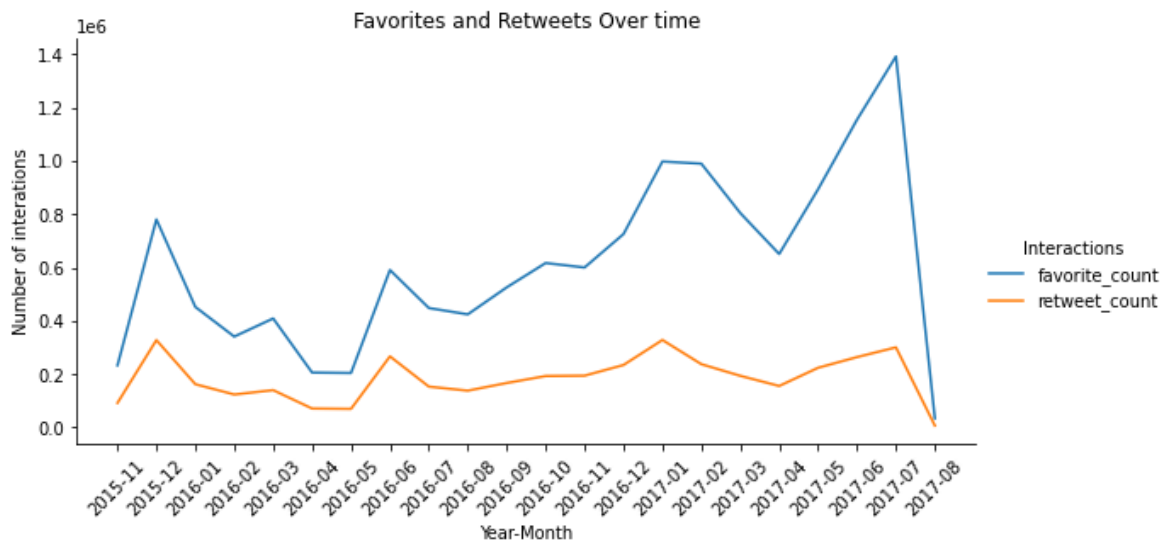
The [WeRateDogs Twitter account \(@dog_rates\)](#) has a simple premise: they take people's photos of their dogs and rate them, often the rates are not that clear, going above 10 and making it confusing for understanding at the beginning. They make it clear the ratings are not designed to be accurate, because in the end they are just dogs =). Since its account creation in november 2015, the account has grown to more than 9 million followers nowadays (August, 2021) with more than 14k tweets.

During this project some questions came up about the WeRateDogs system and numbers, such as:

- 1. How the number of favorites and retweets changed over time;
- 2. What is the more popular Dog Class name?;
- 3. What is the #top10 breeds by ratings?;
- 4. Is there a day of the week with more tweets?;
- 5. Who are the top#5 tweets by rating?

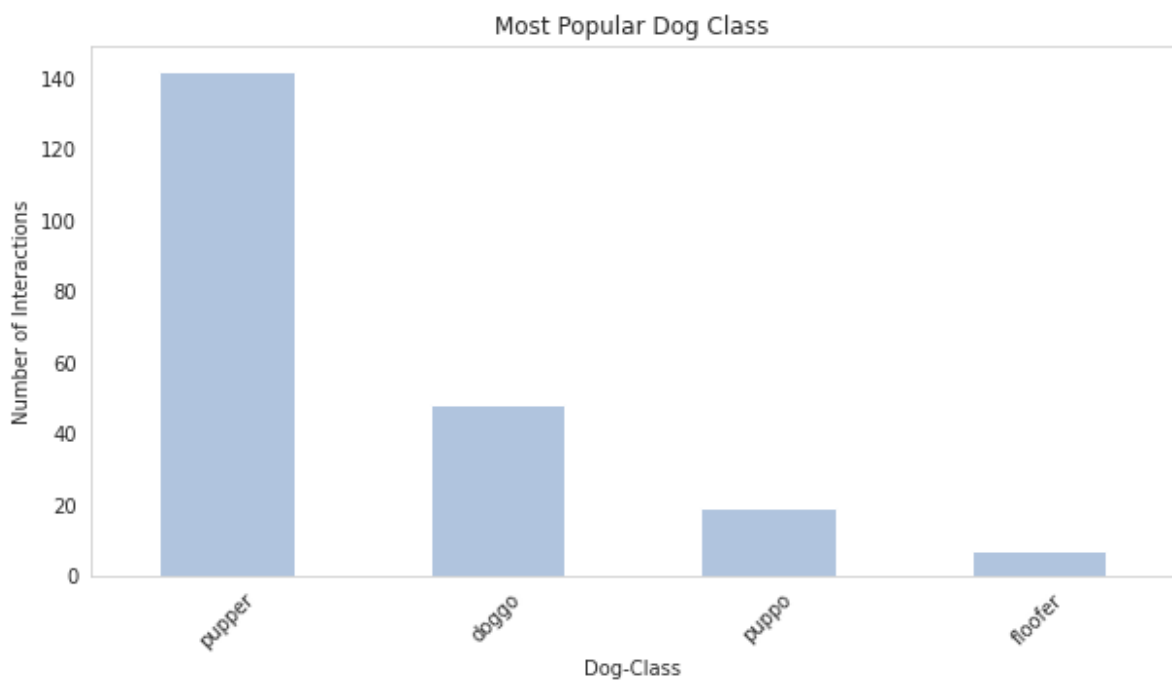
We got our answers but keep in mind the dataset used considered tweets from November, 2015 to August, 2017.

- 1. How has the number of favorites and retweets changed over time?



The number of favorites grew higher than the number of retweets over time. Numbers from 2017 August are pretty low because we only have one day of data collected for that month.

- 2. What is the more popular Dog Class name?



Pupper is the most popular Dog Class in the dataset with more than 140 interactions. Doggo was the second one with more than 40. Floofer is the last one with less than 20 interactions.

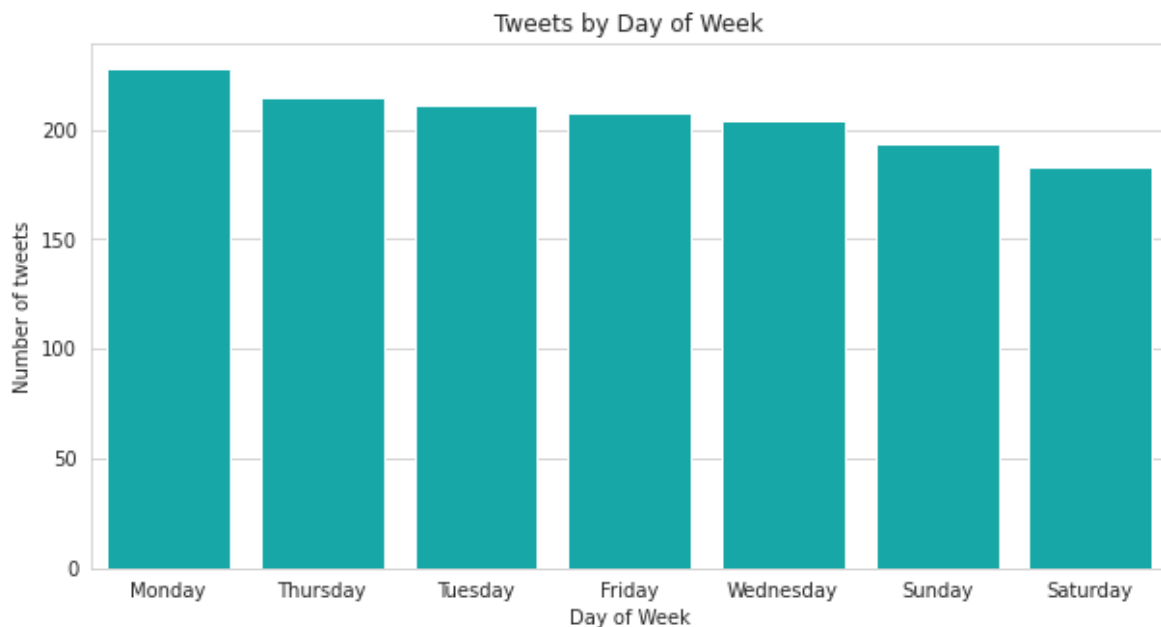
- 3. What is the #top10 breeds by ratings?

	breed	rating
4	australian terrier	1.300000
85	saluki	1.250000
20	briard	1.233333
99	tibetan mastiff	1.225000
15	border terrier	1.214286
43	giant schnauzer	1.200000
93	silky terrier	1.200000
97	standard schnauzer	1.200000
44	golden retriever	1.180290
38	eskimo dog	1.177778

We defined rating by the division of the numerator and denominator. The numbers shown above are the average number per breed. Being the top#10 breeds listed. The interesting thing is that gold retriever is listed as #top9 when it comes to rating. My personal thought was that this breed would be at least top#3.

- 4. Is there a day of the week with more tweets?

I was personally interested to see if there were any patterns in tweets made per week day. So I came up with the following analysis:



The outcome was very surprising. There isn't a day of week that is outstanding compared to others. The only insight we can have is that in the weekends the tweet activity is a little slow compared to weekdays.

- 5. Who are the top#5 tweets by rating?

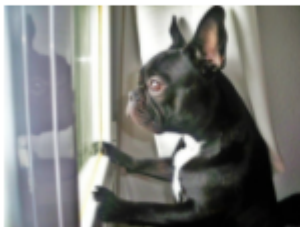
That was the most funny and fulfilling analysis. We got to see what were the top#5 tweets by rating including the actual picture, number of favorites, number of retweets and the actual rate along the numerator and denominator.



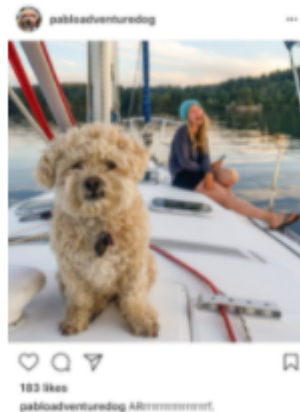
golden retriever
favorite_count: 5927
retweet_count: 1655
rating: 3.4285714285714284 (24.0 / 7)



irish setter
favorite_count: 13075
retweet_count: 5053
rating: 1.4 (14.0 / 10)



french bulldog
favorite_count: 40402
retweet_count: 16267
rating: 1.4 (14.0 / 10)



lakeland terrier
favorite_count: 9094
retweet_count: 1195
rating: 1.4 (14.0 / 10)



golden retriever
favorite_count: 10467
retweet_count: 1544
rating: 1.4 (14.0 / 10)

The first one is a golden retriever and that result went along my initial thoughts that were refuted in question #3. This guy looks really happy using that hat...