WeRateDogs Act Report

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Analysis and Insights into Final Data

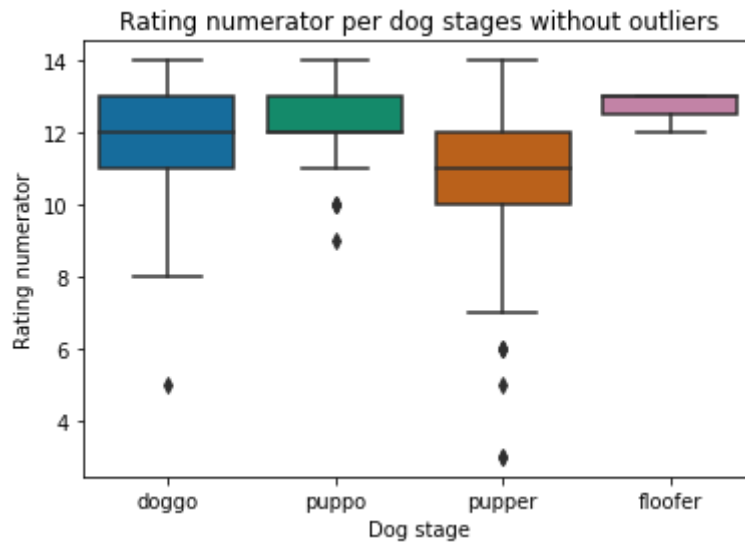## 1.   Most Popular Dog Age Stages

From our statistic we can tell that **doggos** are averagely getting the highest rates.

dog_stage	count	mean	std	min	25%	50%	75%	max
doggo	75.0	14.226667	22.267764	5.0	11.0	12.0	13.0	204.0
floofer	3.0	12.666667	0.577350	12.0	12.5	13.0	13.0	13.0
pupper	231.0	12.901558	14.789213	3.0	10.0	11.0	12.0	143.0
puppo	29.0	12.137931	1.186957	9.0	12.0	12.0	13.0	14.0

At the second place are **puppers**, then **floofers** and **puppos**. Although there are much more *(231)* tweets about puppers than about dogs at other stages, their mean rate *(12.9)* is surprisingly not the highest. The boxplot also shows many outliers which is understandable from the rating system WRD Twitter uses.

Rating numerator per dog stages without outliers

According to [Wikipedia](#), *The account's language has spawned an Internet language about "doggos" and "puppers".* The usage of these words is hardly formal and some of them are obviously invented on the go - *"Some dogs are doggos, some are puppers, and others may even be pupperinos. There are corgos and clouds, fluffers and floofs, woofers and boofers"* [(source)](#), so for the purpose of our research we decided not to focus on distinguishing those stages.
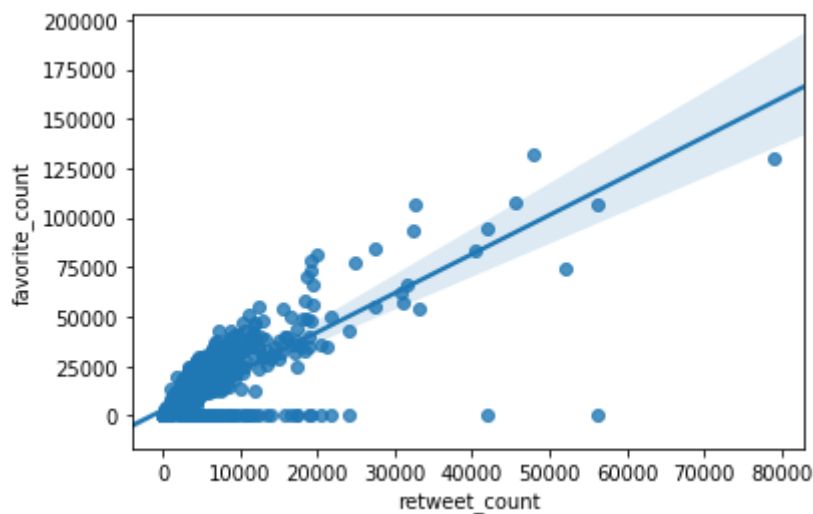
2. WeRateDogs Twitter Usage Statistics

Most of the tweets seem to be posted on **Monday**, the least tweeting days are weekends - **Saturday and Sunday**.

timestamp	tweet_id median	count
Friday	715715004230719488	294
Monday	714258258790387712	339
Saturday	709867615492163584	262
Sunday	706328190346723328	262
Thursday	707741517457260544	291
Tuesday	724877723676590080	310
Wednesday	715105190033129472	314

3. Retweet and Favourite Count Correlation

Here we observe **strong positive correlation** between 'retweet_count' and 'favorite_count' (thus, popular tweets actually get more likes and retweets - the most obvious hypothesis proved).
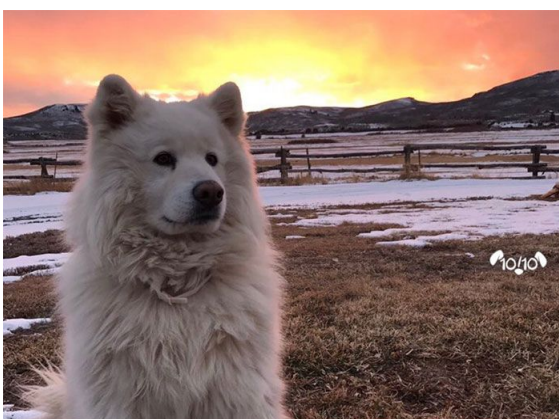
4. The Most Popular Dog Breeds

Here we have our top 10 popular breeds.

```
golden_retriever      150
Labrador_retriever    100
Pembroke               89
Chihuahua              83
pug                    57
chow                   44
Samoyed                43
toy_poodle             39
Pomeranian             38
cocker_spaniel         30
```

The question why these are the most popular is still to be answered. According to Wikipedia's [article](#), labradors are indeed worldwide popular, but what about the others - could it be because they are easier to be identified by the neural network?
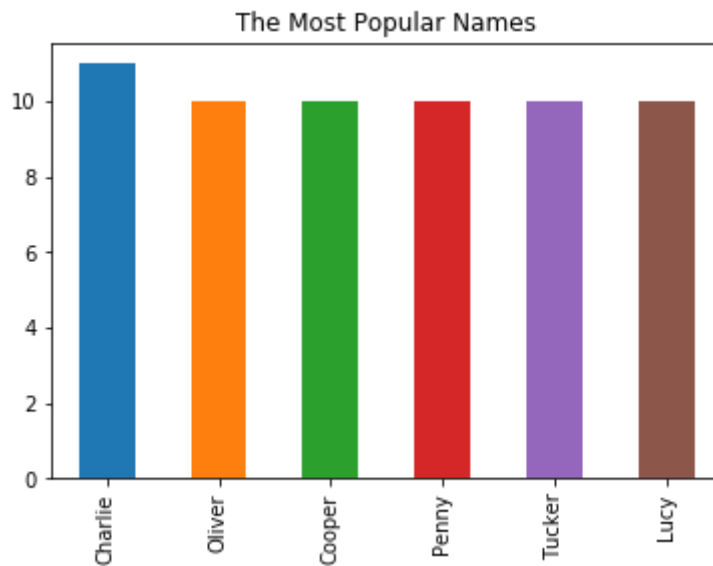
Moreover, as WRD is a humorous account after all, they quite often masterfully avoid mentioning real dog breed and replace it with whatever is funny.

WeRateDogs™ 🇺🇸 ✔
@dog_rates

We usually don't rate polar bears but this one seems extra good. Majestic as h*ck. 13/10 would hug for a while

1:38 AM - 26 Mar 2017

↩ ♻ 10,003   ♥ 31,894

WeRateDogs™ 🇺🇸 ✔
@dog_rates

Unbelievable. We only rate dogs. Please don't send in non-canines like the "I" from Pixar's opening credits. Thank you... 12/10

12:29 AM - 26 May 2017

↩ ♻ 4,369   ♥ 24,572

Samoyed becomes a polar bear and retriever puppy is now Pixar's "I'" lamp.

5. The Most Popular Dog Names

This is the list of the most popular dog names based on our data.

The Most Popular Names

The names are all of English origin as this twitter is popular mostly in the USA and other English-speaking countries. We can also conclude that most of the featured popular dogs are supposedly male (2:1).

6. The Distribution of Sources

Twitter app for Iphone is by far the most popular source from these three available in our data sets.

The Distribution of Sources