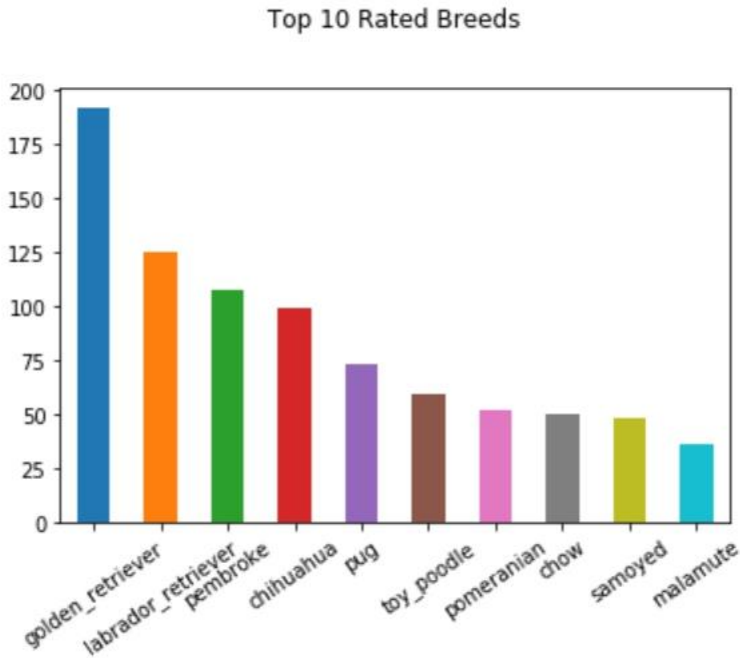# Analysis of WeRateDogs from Twitter

This report is to wrangle, analyze, and visualize the tweet archive of Twitter user @dog_rates, also known as WeRateDogs. 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 4 million followers and has received international media coverage.

After wrangling the data, fixing quality issues and structural issues, we only use non-retweets for this analysis. We found these information.

1. What are the top 10 rated dog breeds?

They are Golden retriever, Labrador retriever, Pembroke, Chihuahua, Pug, Toy Poodle, Pomeranian, Chow, Samoyed, and Malamute. Golden retriever is the number one and it is much higher than the second one Labrador retriever.
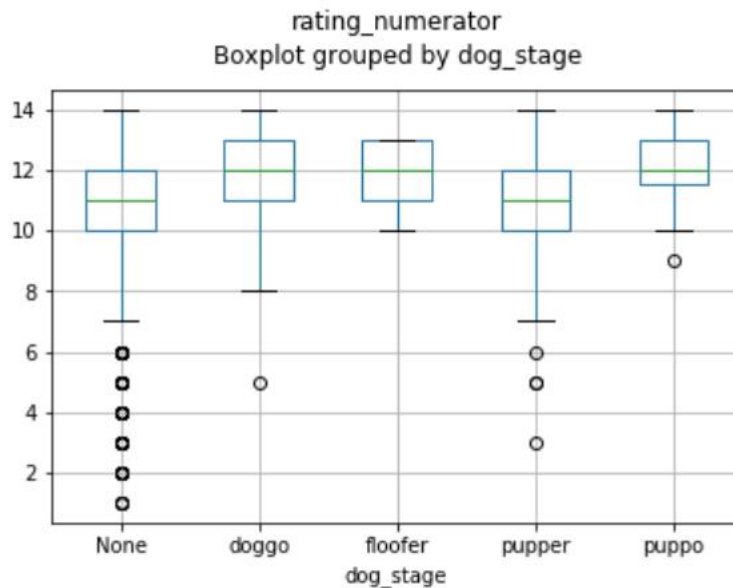

Top 10 Rated Breeds

2. What are the top 5 most common dog names?

After ignoring strange names (valued as None), they are Coopers, Oliver, Charlie, Lucy and Penny.

However, most of the dog owners don't properly show their dogs' names. There are 755 None.

3. What are the correlation between dog rating and dog stage?

We started by ignoring data with strange values, such as denominator is not 10, and numerator is greater than 20 or less than 0. The boxplot and statistics are below. Puppo generally has the highest average rating and pupper has the lowest one, but the difference is not significant. Pupper has the largest counts and ranging from min 3 to max 14.

rating_numerator
Boxplot grouped by dog_stage

dog_stage	count	mean	std	min	25%	50%	75%	max
None	1969.0	10.559675	2.160393	1.0	10.0	11.0	12.0	14.0
doggo	74.0	11.783784	1.607093	5.0	11.0	12.0	13.0	14.0
floofer	8.0	11.875000	1.125992	10.0	11.0	12.0	13.0	13.0
pupper	211.0	10.649289	1.759393	3.0	10.0	11.0	12.0	14.0
puppo	23.0	12.043478	1.296087	9.0	11.5	12.0	13.0	14.0