

# Act Report

Lin Chen, 2021-05-05

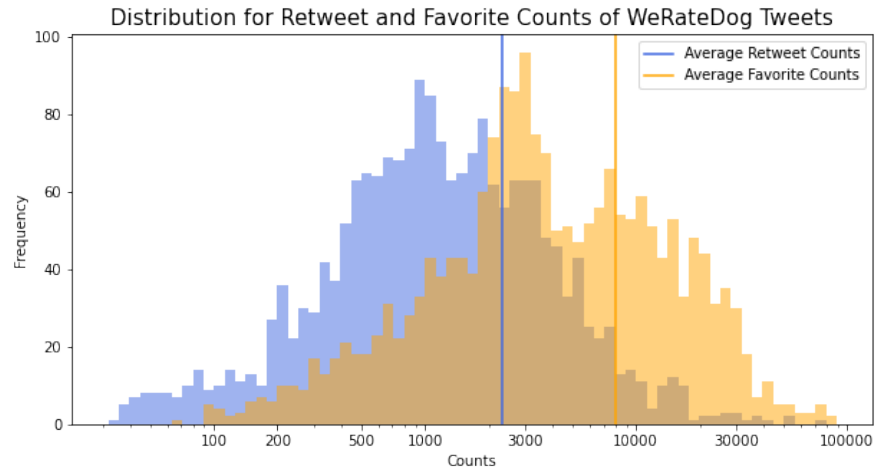
Table 1, general information

	rating_numerator	rating_denominator	in_reply	img_num	p1_conf	p2_conf	p3_conf	retweet_count	favorite_count
count	1979.000000	1979.0	1979.000000	1979.000000	1979.000000	1.979000e+03	1.979000e+03	1979.000000	1979.000000
mean	11.438605	10.0	0.033855	1.202628	0.593227	1.344784e-01	6.041482e-02	2338.812532	7980.594745
std	39.745635	0.0	0.180903	0.560652	0.271798	1.004141e-01	5.089394e-02	4192.278493	11771.830857
min	0.000000	10.0	0.000000	1.000000	0.044333	1.011300e-08	1.740170e-10	11.000000	69.000000
25%	10.000000	10.0	0.000000	1.000000	0.362715	5.409535e-02	1.631530e-02	521.000000	1687.000000
50%	11.000000	10.0	0.000000	1.000000	0.587342	1.175660e-01	4.965610e-02	1124.000000	3556.000000
75%	12.000000	10.0	0.000000	1.000000	0.843579	1.953115e-01	9.203645e-02	2662.000000	9892.000000
max	1776.000000	10.0	1.000000	4.000000	1.000000	4.880140e-01	2.734190e-01	73694.000000	149527.000000

Here we can see averages, standard deviations, medians, minimums and maximums for all columns with numeric values, and get brief ideas about the dataframe.

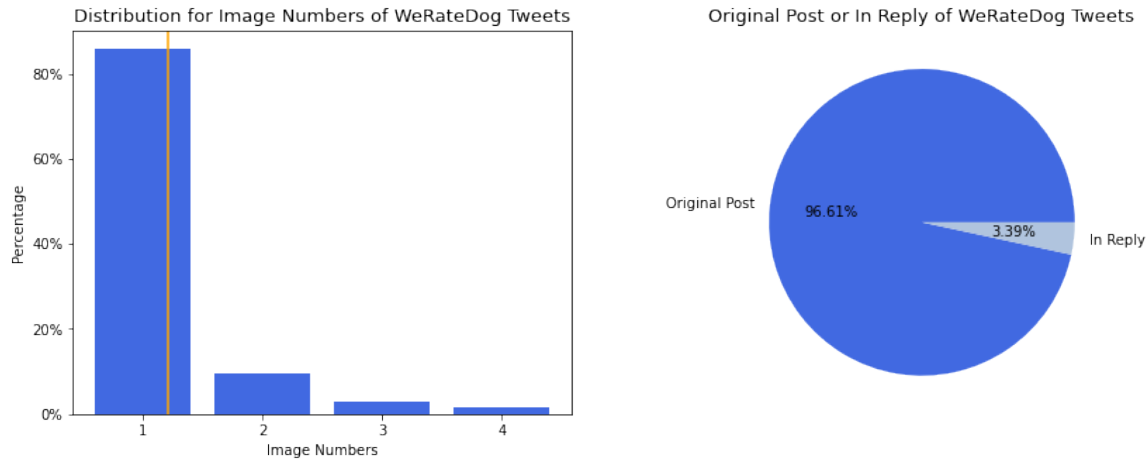
1. The largest retweet count is 73694, smallest is 11, average is around 2350.
2. The largest favorite count is 149527, smallest is 69, average is around 8000.

Figure 1, retweets and favorites



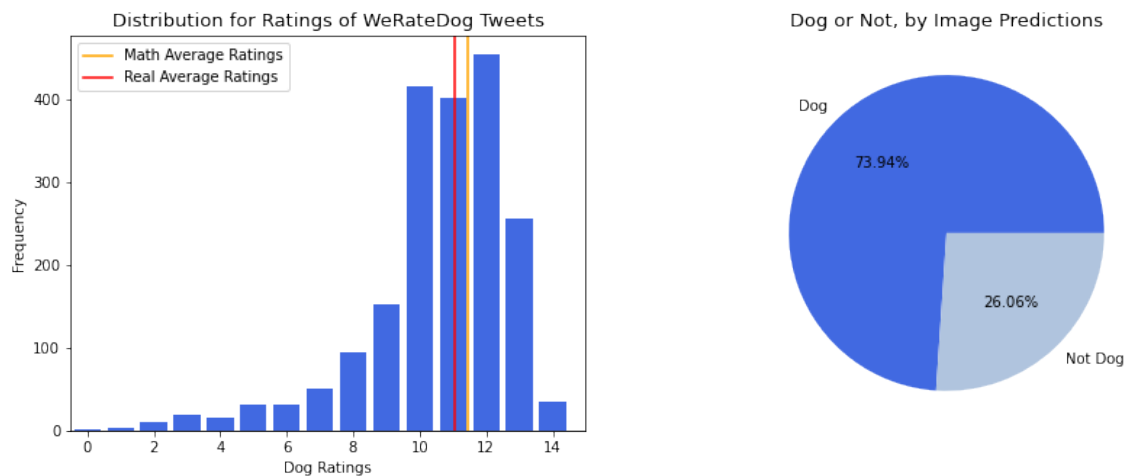
1. Distribution for retweet and favorite counts of WeRateDog tweets are severely right-skewed.
2. In general, favorite counts are higher than retweet counts.
3. Retweets and favorites have averages around 2350 and 8000, respectively.
4. The distributions make sense since only a few Twitters could be super popular, and more people would click on favorite rather than writing something for retweet.

Figure 2, image numbers and reply percentage



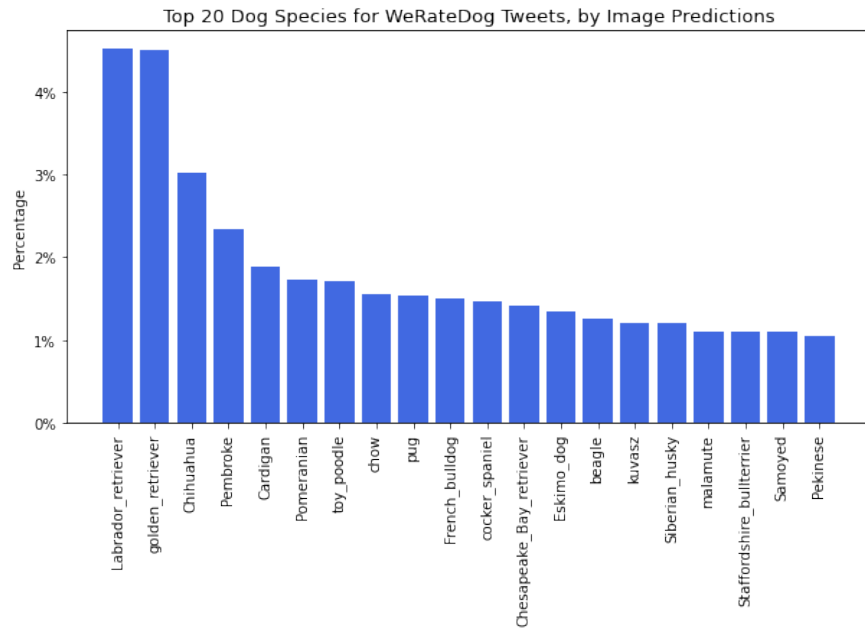
1. 86% of WeRateDog tweets only have 1 photo.
2. Only 1.5% of those WeRateDog tweets have 4 photos.
3. Some of those tweets have 2 or 3 photos, and average photo for all tweets is 1.2.
4. Among all those tweets, only 3.4% of ratings are given in reply, not original posts.

Figure 3, rating distribution and non-dog photo percentage



1. Most photos under 8 points are not dog photos.
2. There are only 2 photos with points above 14, one has 1776 for a dog in front of U.S. flag, another one has 420 for Snoop Dogg.
3. Most dogs get 10 to 12 points out of 10.
4. The average rating is 11.43, but if exclude super large ratings and ratings under 8, the average rating will be around 11 (get a bit smaller, since those outliers are over too big).
5. Based on results of 3-round AI image predictions, around 26% photos are not dog photos.
6. Since only 8.28% photos get ratings under 8, so there must be many photos that are not dog photos in those high-rating photos as well.

Figure 4, top dog species by image predictions



1. Most frequent dog species are Labrador retriever, golden retriever and Chihuahua, with 4.5%, 4.5% and 3% as percentage respectively.

Figure 5, most popular WeRateDog Twitter

[https://twitter.com/dog\\_rates/status/744234799360020481](https://twitter.com/dog_rates/status/744234799360020481)

