

# Act Report

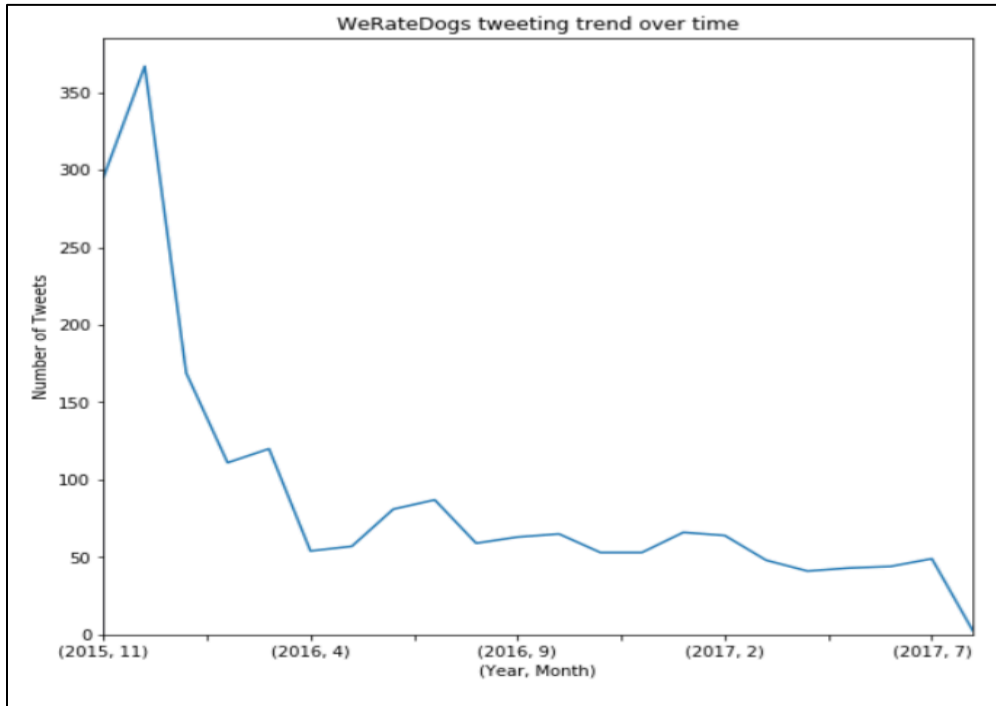
## 1. Analyze and Visualize Data:

```
Data columns (total 25 columns):
tweet_id          1991 non-null object
in_reply_to_status_id  23 non-null object
in_reply_to_user_id  23 non-null object
timestamp         1991 non-null datetime64[ns]
source            1991 non-null object
text              1991 non-null object
expanded_urls     1991 non-null object
name              1348 non-null object
phase             306 non-null object
retweet_count     1991 non-null int64
favorite_count    1991 non-null int64
rating            1991 non-null float64
jpg_url           1991 non-null object
img_num           1991 non-null int64
p1                1991 non-null object
p1_conf           1991 non-null float64
p1_dog            1991 non-null bool
p2                1991 non-null object
p2_conf           1991 non-null float64
p2_dog            1991 non-null bool
p3                1991 non-null object
p3_conf           1991 non-null float64
p3_dog            1991 non-null bool
prdct_breed       1685 non-null object
prdct_conf        1685 non-null float64
dtypes: bool(3), datetime64[ns](1), float64(5), int64(3), object(13)
```

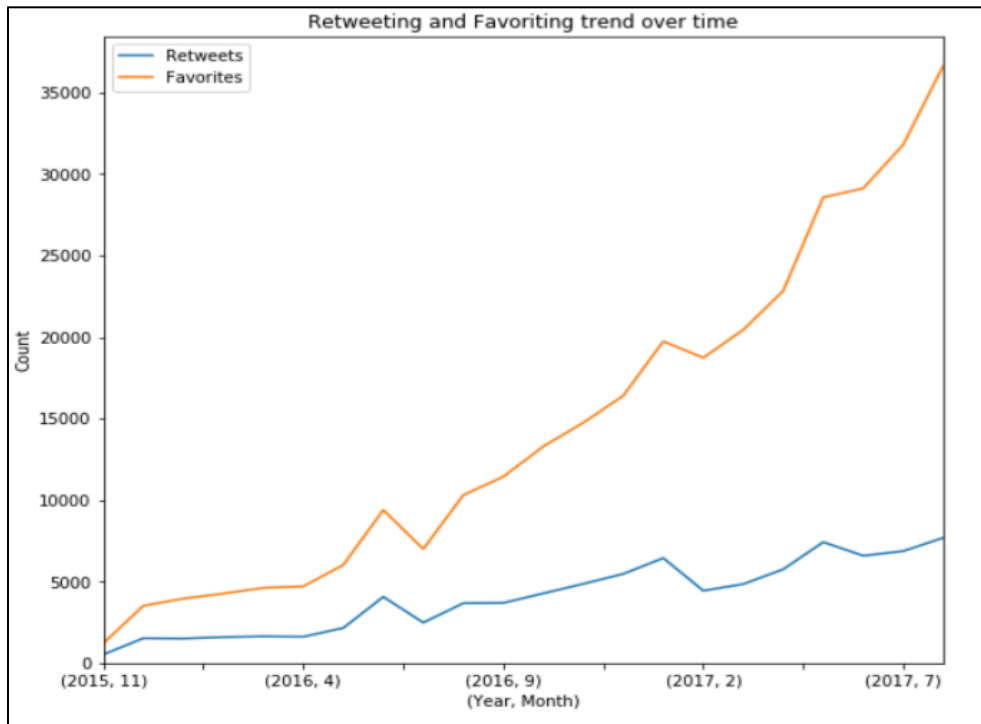
The key information includes rating, retweet counts and favorite counts.

	retweet_count	favorite_count	rating	img_num	p1_conf	p2_conf	p3_conf	prdct_conf
count	1991.000000	1991.000000	1991.000000	1991.000000	1991.000000	1.991000e+03	1.991000e+03	1685.000000
mean	2766.526871	8899.343044	1.055450	1.203415	0.594082	1.345157e-01	6.027009e-02	0.549745
std	4678.024127	12221.969511	0.217822	0.561144	0.271856	1.007215e-01	5.092272e-02	0.299257
min	16.000000	81.000000	0.000000	1.000000	0.044333	1.011300e-08	1.740170e-10	0.000010
25%	623.500000	1976.000000	1.000000	1.000000	0.362880	5.397835e-02	1.614795e-02	0.302685
50%	1350.000000	4127.000000	1.100000	1.000000	0.587764	1.175660e-01	4.948690e-02	0.550506
75%	3220.000000	11321.000000	1.200000	1.000000	0.845942	1.953115e-01	9.164355e-02	0.821704
max	79515.000000	132810.000000	1.400000	4.000000	1.000000	4.880140e-01	2.734190e-01	0.999956

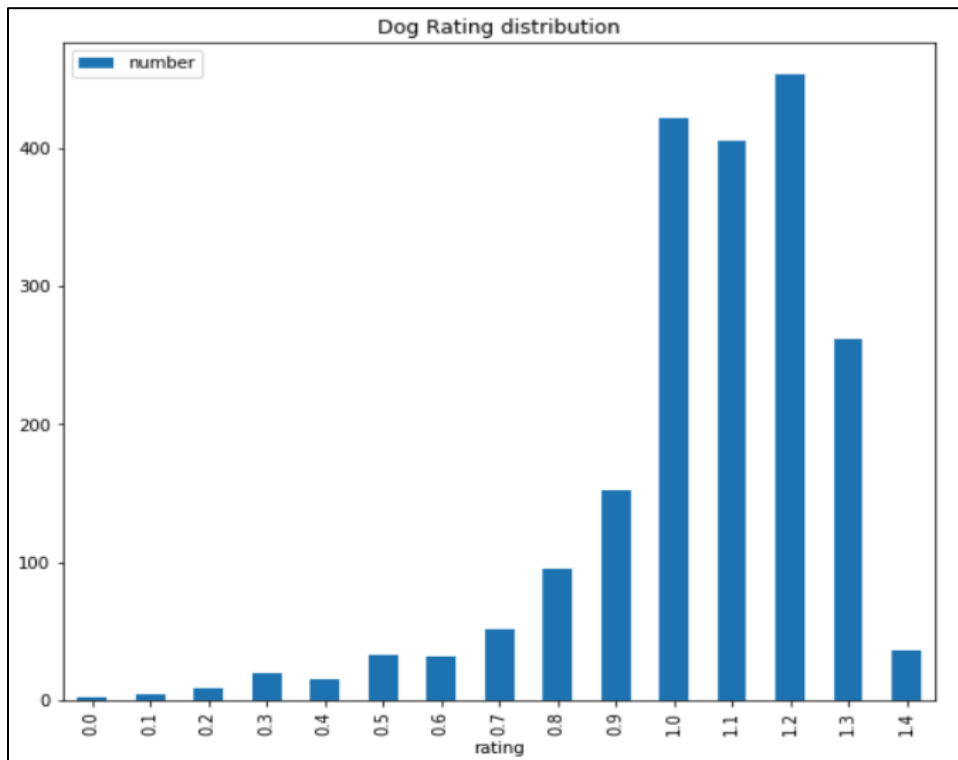
1.1 WeRateDogs dataset has the highest tweeting trend over time at 2015 and has been decreased over time.



1.2 Retweeting and Favoriting trend over time keeps increasing and reaches the highest at 2017.



1.3 The highest ratings are 1.2,1.0,1.1 also rating frequency is less whenever the rating is extreme.



1.4 Pupper phase has the highest frequency, in the other hand pupper has lowest favorite counts and counts and rating.

