



Analysis and Visualizing of WeRateDogs Data

24 May 2020

Introduction



This analysis focuses on the tweets from the tweet archive of Twitter user @dog_rates, also known as **WeRateDogs**. They have over 8 million followers and have received international media coverage.

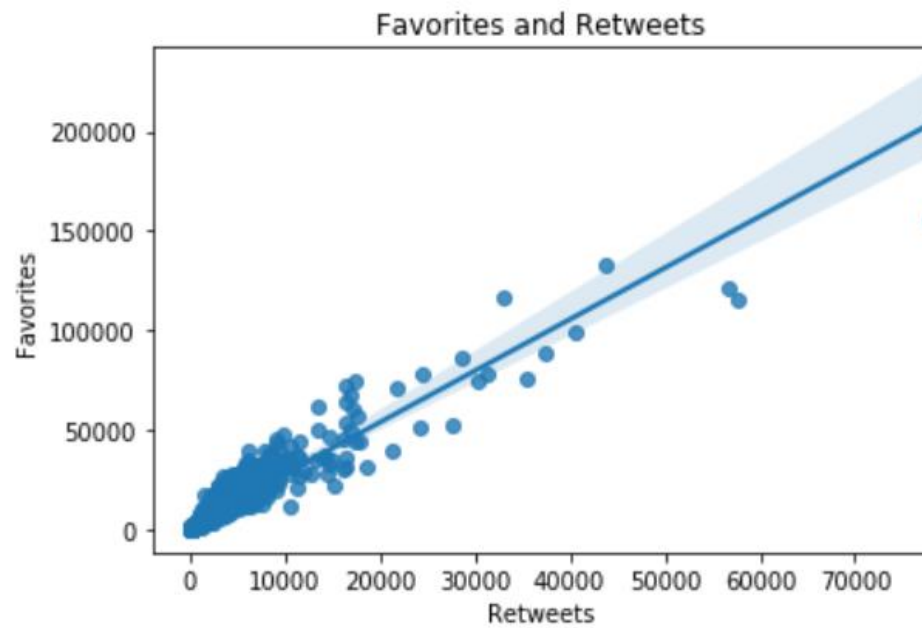
Strong Correlation between Retweets and Favorites

The correlation matrix showed that there was a strong positive relationship between between retweets and favorite counts (0.93). This suggest that as a tweet gains Favorites, one can expect to see retweets to increase and vice versa.

Out[50]:

	tweet_id	rating_numerator	rating_denominator	favorites	retweets	user_followers	user_favourites	year	month	day	rating
tweet_id	1.000000	-0.003946	-0.007773	0.024427	0.036592	0.015520	0.015583	0.006815	-0.011943	-0.036478	0.024508
rating_numerator	-0.003946	1.000000	0.972591	0.063483	0.049241	-0.016062	-0.005202	0.110080	-0.083024	-0.005781	0.236278
rating_denominator	-0.007773	0.972591	1.000000	-0.028948	-0.020645	-0.007500	-0.009696	-0.002374	-0.040049	0.004986	0.009769
favorites	0.024427	0.063483	-0.028948	1.000000	0.930970	-0.065675	-0.009127	0.513437	-0.142217	-0.018926	0.404880
retweets	0.036592	0.049241	-0.020645	0.930970	1.000000	-0.052881	-0.015765	0.315252	-0.078485	-0.037419	0.306255
user_followers	0.015520	-0.016062	-0.007500	-0.065675	-0.052881	1.000000	0.993880	-0.097882	0.025067	0.011281	-0.039128
user_favourites	0.015583	-0.005202	-0.009696	-0.009127	-0.015765	0.993880	1.000000	-0.004779	-0.012825	0.006804	0.018530
year	0.006815	0.110080	-0.002374	0.513437	0.315252	-0.097882	-0.004779	1.000000	-0.705384	-0.087455	0.501498
month	-0.011943	-0.083024	-0.040049	-0.142217	-0.078485	0.025067	-0.012825	-0.705384	1.000000	0.095344	-0.202900
day	-0.036478	-0.005781	0.004986	-0.018926	-0.037419	0.011281	0.006804	-0.087455	0.095344	1.000000	-0.049503
rating	0.024508	0.236278	0.009769	0.404880	0.306255	-0.039128	0.018530	0.501498	-0.202900	-0.049503	1.000000

There is a strong relationship between retweets and favorite counts (0.93). As a tweet gains Favorites, one can expect to see retweets to increase and vice versa.



Most Common Dog Type

The most rated dog was **golden retriever** with more than 140 ratings. On the opposite end of the scale was the miniature pinscher.

