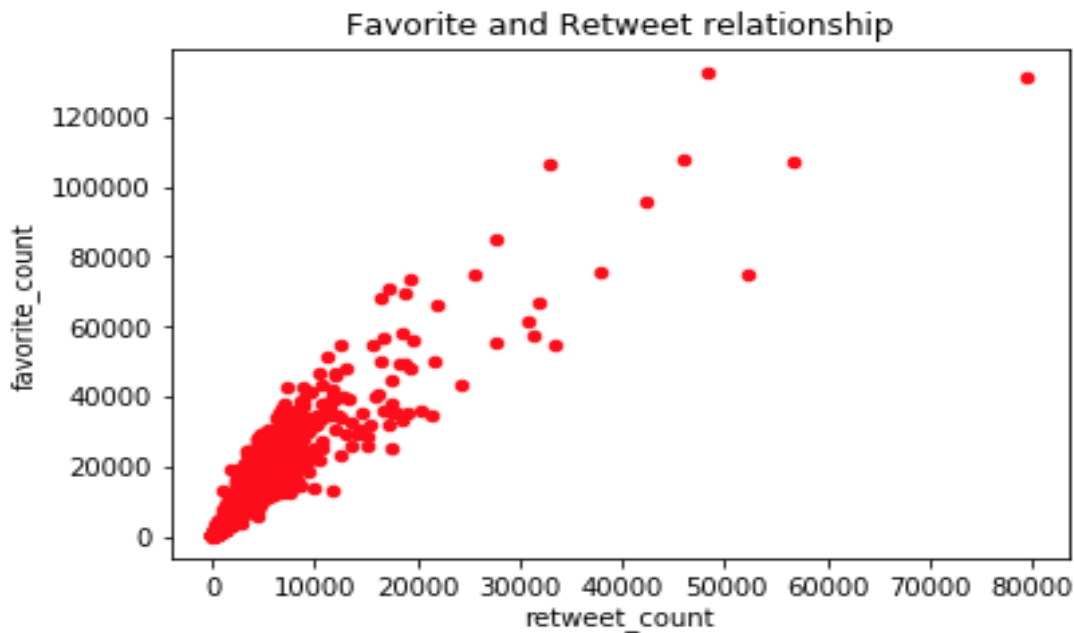


May 25, 2019

Analyzing & Visualizing (WeRateDogs)

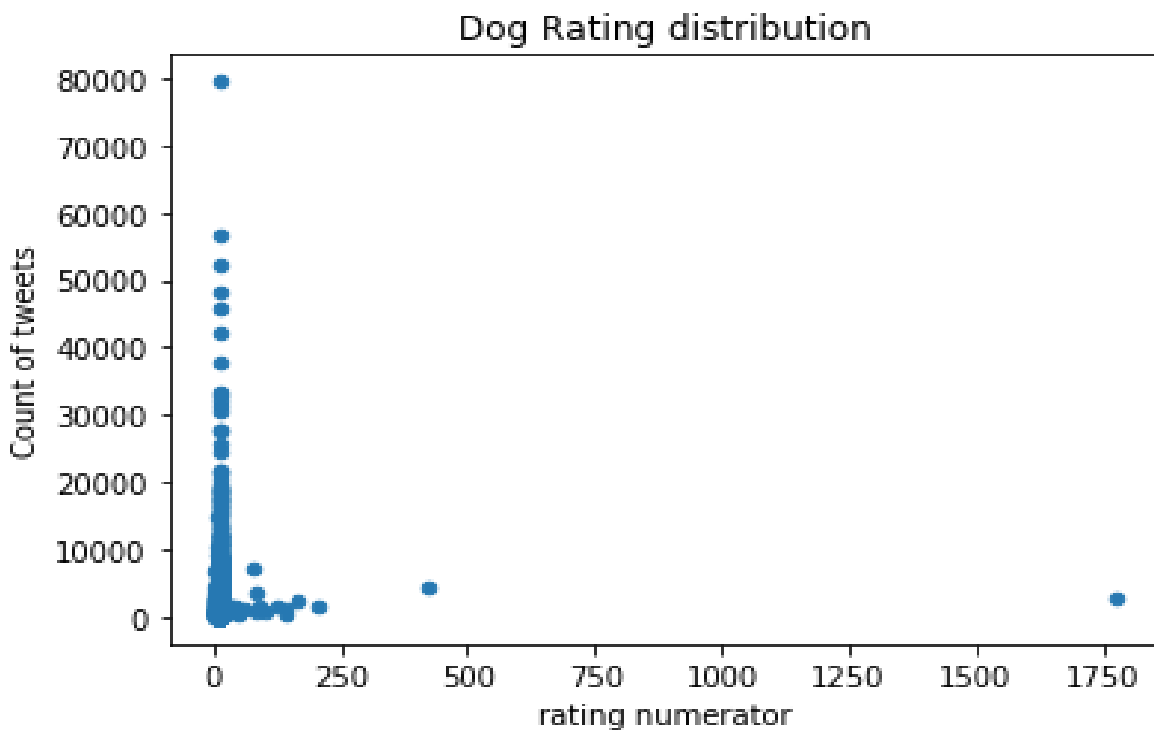


Summary:

Favorite count		Retweet count	
count	1994.000000	count	1994.000000
mean	8895.725677	mean	2766.753260
std	12213.193181	std	4674.698447
min	81.000000	min	16.000000
25%	1982.000000	25%	624.750000
50%	4136.000000	50%	1359.500000
75%	11308.000000	75%	3220.000000
max	132810.000000	max	79515.000000

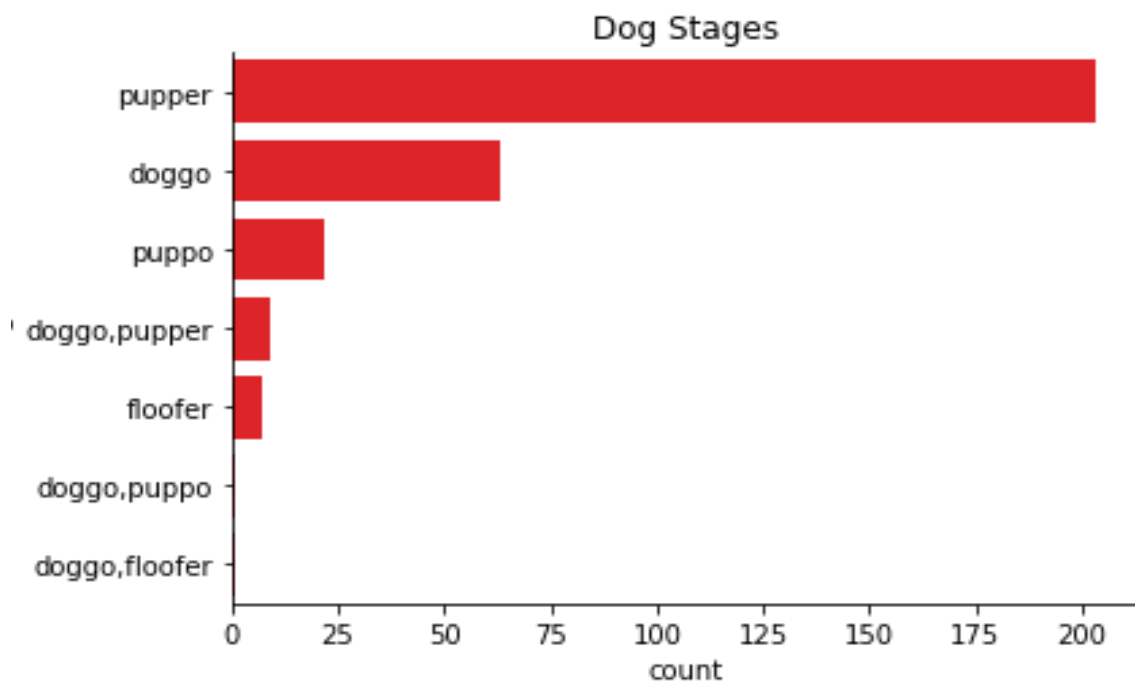
Analysis:

- As the number of retweets increase the favorite counts increase as well. Hence, there is a linear correlation between them. The count of retweets almost reach 80K while favorites almost reached 130K.



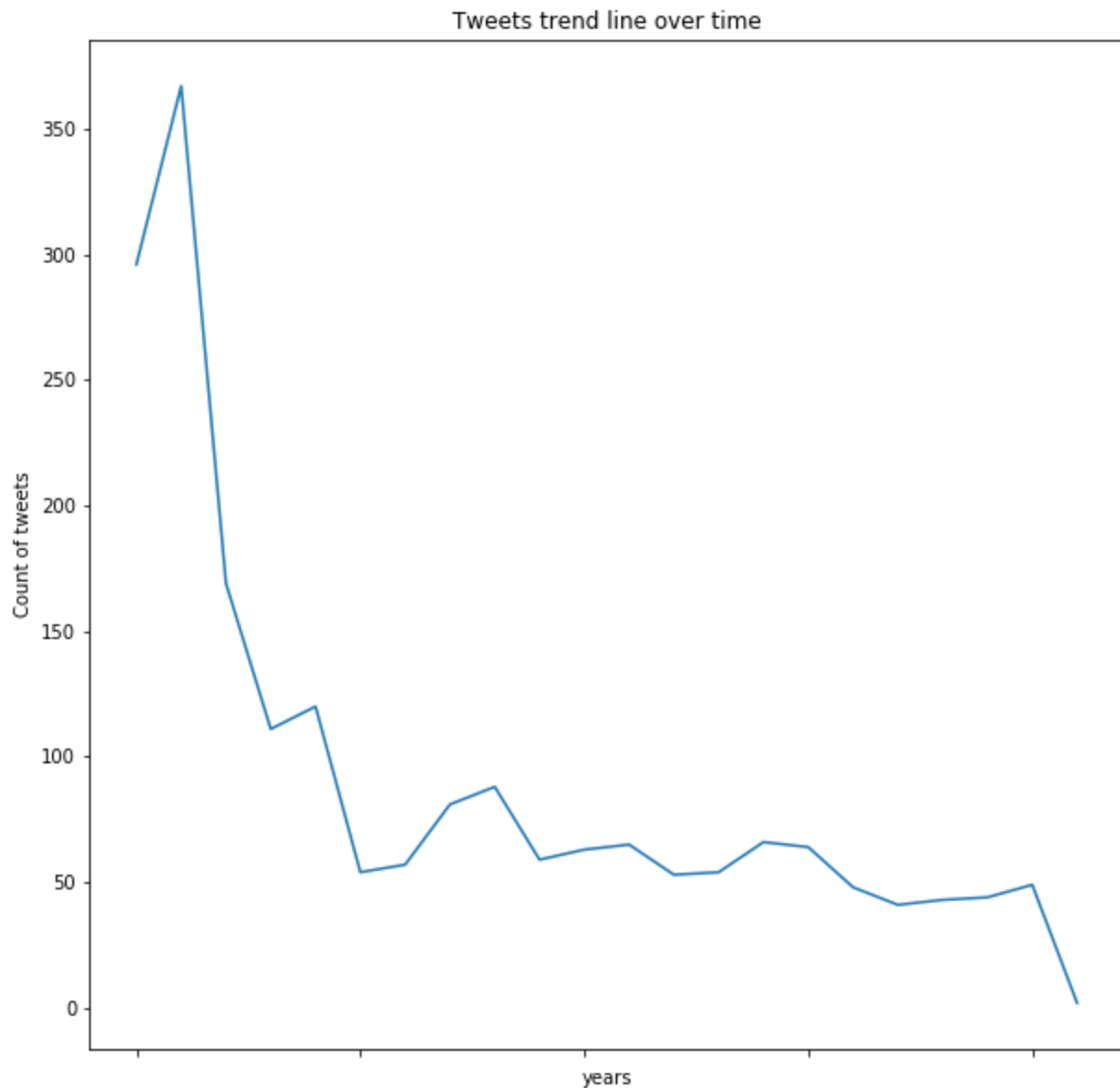
Analysis:

- After correcting the rating values for all the rating which have greater than 10 as denominator and replace them with the correct rating as it was mentioned in the tweet text while cleaning the data, the graph shows that the most common rating for the retweeted tweets were equal to 12 with count equal to 450 and mean equal to 3119.80. Thus, we almost always have a positive rating for dogs.



Analysis:

- After excluding the none stage from the graph to extract the top mentioned dog stage in the dataset. The bar graph shows that pupper dog stage ranked the first and doggo dog stage ranked second based on the number of tweets.



Analysis:

- After comparing the number of tweets to the time of tweets to see if the tweets increase or decrease over time. The graph shows that the number of tweets is decreasing over time.

Dogs Breeds:

Neural Network (P1)		Neural Network (P2)		Neural Network (P3)	
count	1477	count	1477	count	1477
unique	111	unique	191	unique	209
top	Golden retriever	top	Labrador retriever	top	Labrador retriever
freq	139	freq	86	freq	65

Analysis:

- To identify the most predicted dog breed, we excluded all the records that were not identify as a dog then analysis the dogs records only. According to the above table, the most predicted & tweeted dog breed was Golden retriever according to the first neural network which was mentioned 139 times, while Labrador retriever dog breed was ranked as the second most mentioned in both the second and third neural network.

Twitter source:

Source count	
Twitter for iPhone	1955
Twitter Web Client	28
TweetDeck	11

Analysis:

- The most used source to tweet was Twitter app in the iPhone, while Twitter Web Client ranked second.