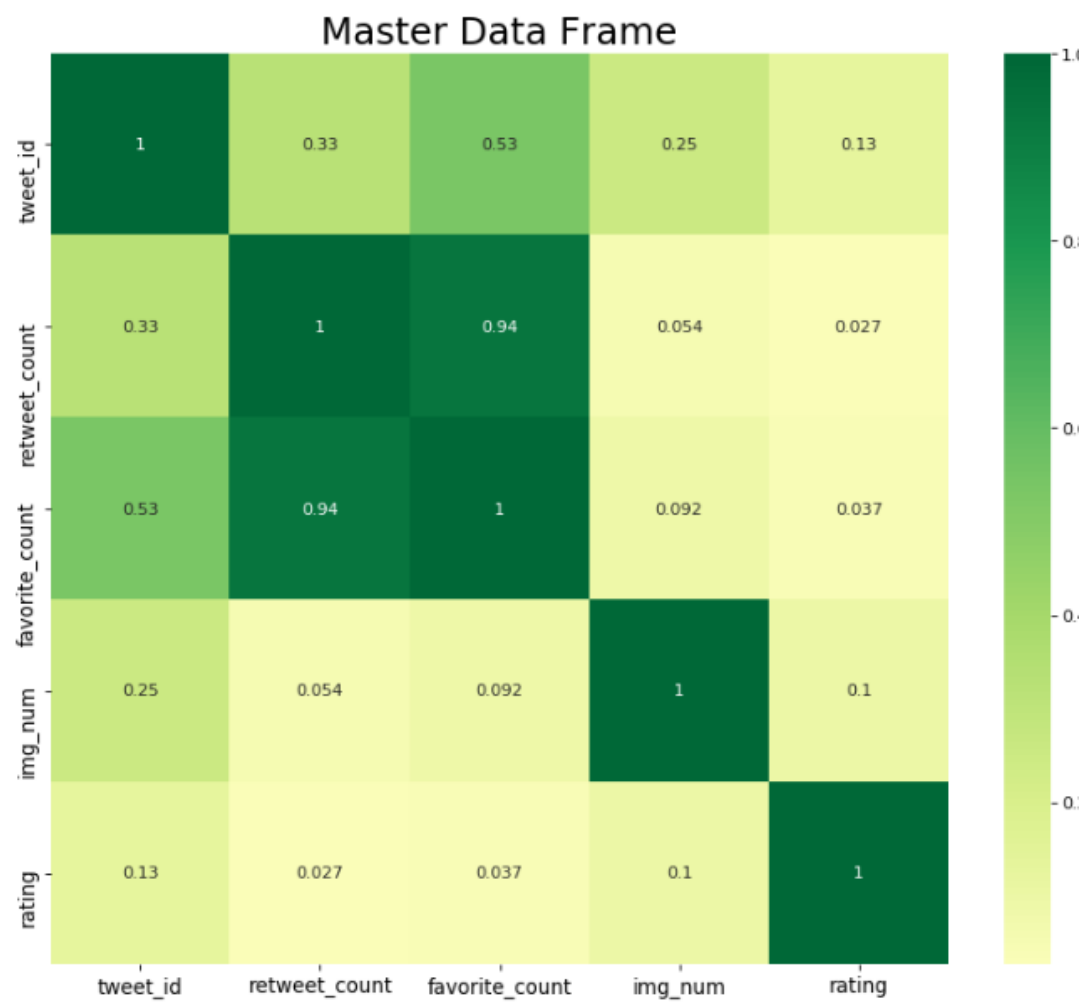


Act Report

The clean dataset 'twitter_archive_master' has 832 clean data. In this observations, we're going to analyze the key points wghich are rating,retweets,dog stage and favorite and other key point might be included.

Heat Map and Basic Static:

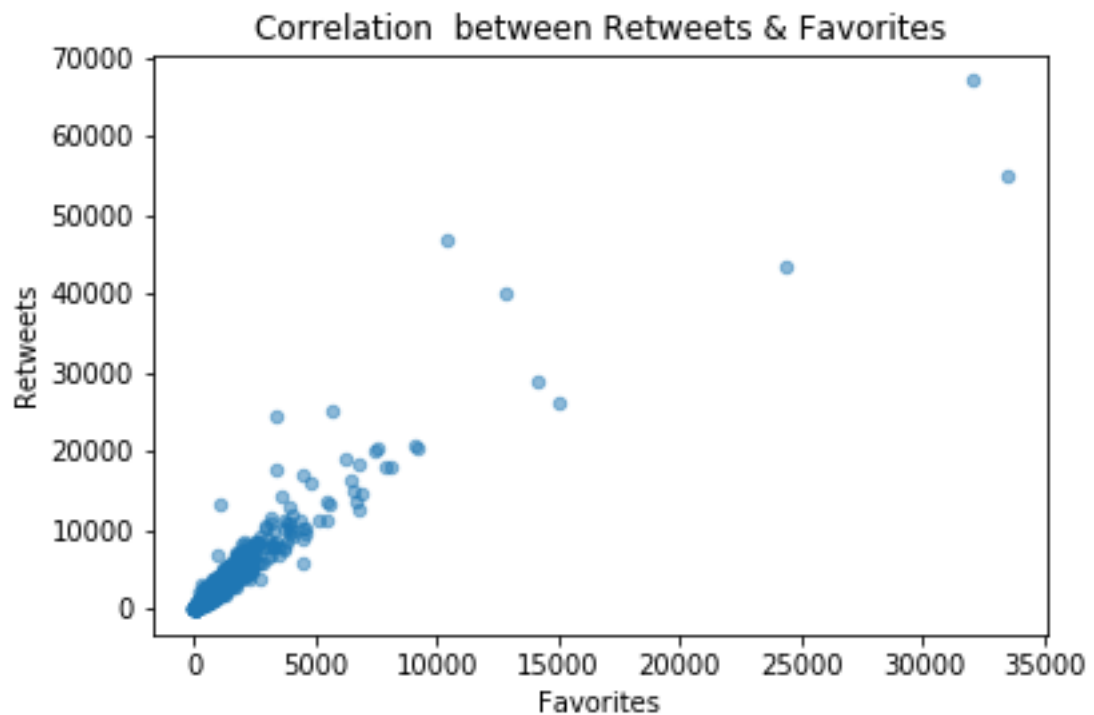


	tweet_id	retweet_count	favorite_count	img_num	rating
count	8.320000e+02	832.000000	832.000000	832.000000	832.000000
mean	6.945252e+17	1275.675481	3497.175481	1.093750	0.861123
std	3.368706e+16	2291.532005	5169.234624	0.361651	0.202210
min	6.660209e+17	23.000000	107.000000	1.000000	0.000000
25%	6.708101e+17	378.250000	995.500000	1.000000	0.800000
50%	6.790900e+17	760.500000	2335.000000	1.000000	1.000000
75%	7.073959e+17	1379.750000	4004.000000	1.000000	1.000000
max	8.834828e+17	33421.000000	67100.000000	4.000000	1.000000

This chart shows the basic statistics information.

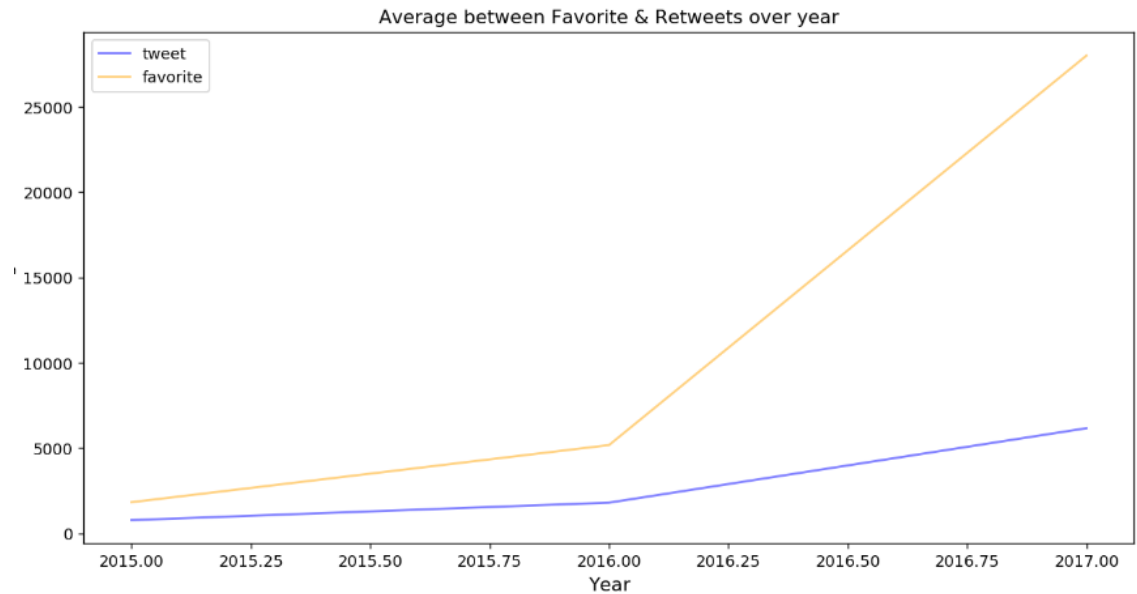
Visualizations

Chart 1: The correlation between retweets and and favorites.



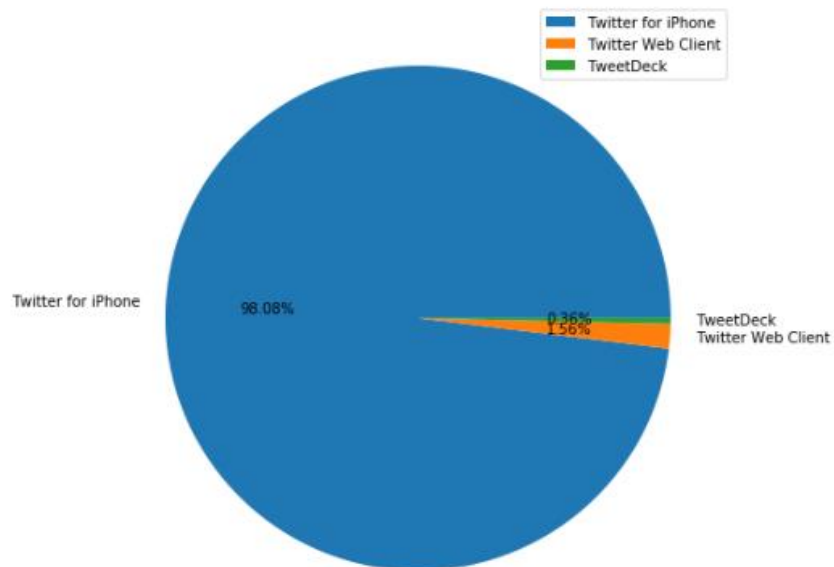
As we can see, the correlation between Retweets and favorites is 0.93, which is strong positive correlation.

Chart 2: Retweets VS Favorites over Years:



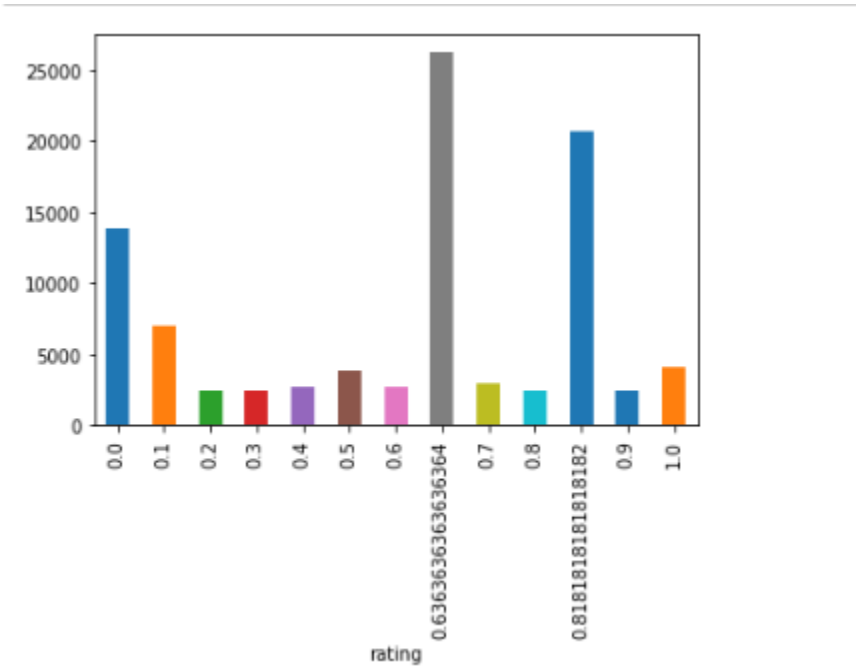
We notice that not all favorites' posts are retweeted.

Chart 3: Most post source:



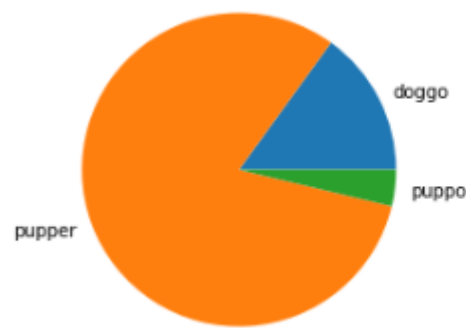
98% Comes from Iphone. Counted as 816 Twitter for iPhone, 13 Twitter Web Client and 3 TweetDeck

Chart 4: Average rating vs favorite:



The bar chart shows the relationship between rating and favorites.

Chart 4: Popular dog Stages



The chart show the relationship between the dog stages and the retweets counts.

Insight

- * In Average rating corresponding to favorite, we notice that the rating 0.63 was the highest corresponding to favorite.
- * The correlation between retweets and favorites user is strong positive correlation, which is 0.93 strong correlation.
- * Popular dog Stages corresponding to retweet count we found that popper with sum of 114999.
- * The dog's names we found that Jax and Sadie are the highest count.
- * The most tweets comes from Iphone with 98%.
- * the average trend between retweets and favorite over year , we notice that favorite are higher than retweets which means users like a tweet without retweet it back.

Based on the observation above, I conclude that posts might have likes but not all of them were retweeted .Also, Common rating have lower retweet and favorite counts.