Analysis¶

Here are some conclusions we reached upon analysis the WeRateDogs tweet Data after combining all the three files:

A) Correlation between retweets, ratings_num and favorites clearly shows us that there is high correlation between favorites and retweets which means good tweet is receiving more retweets and favorites.

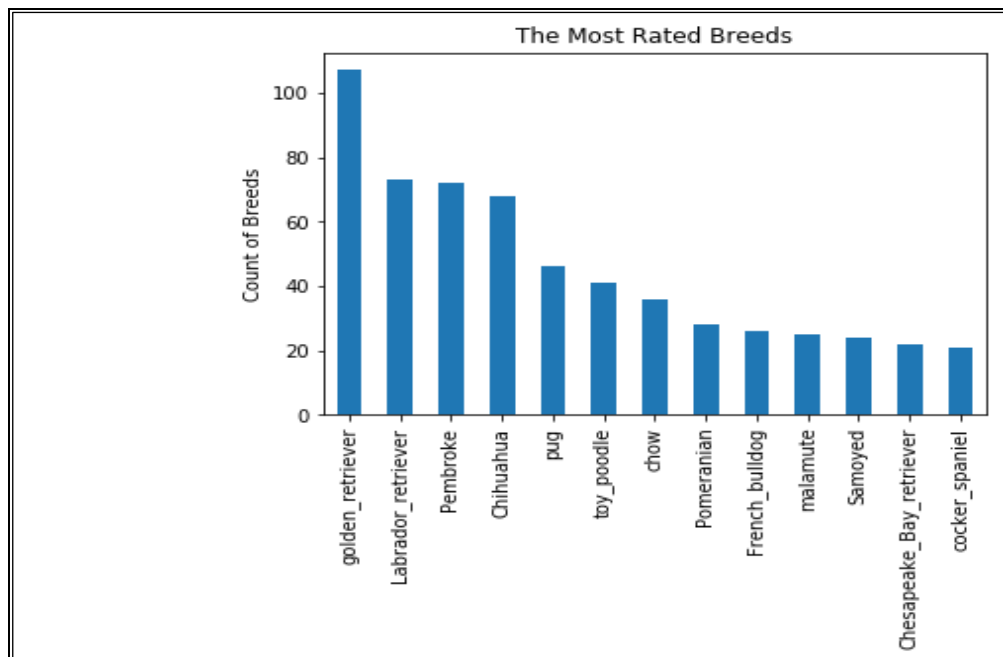|	favorites	retweets
favorites	1.000000	0.927205
retweets	0.927205	1.000000

B) Upon analysing stage of dogs, along with the ratings we concluded that puppers are the one who got the lowest ratings among all other breed of dogs whereas floofer are the one who got minimum numerator ratings is 10 so we can say that they are consistently good rated dogs.

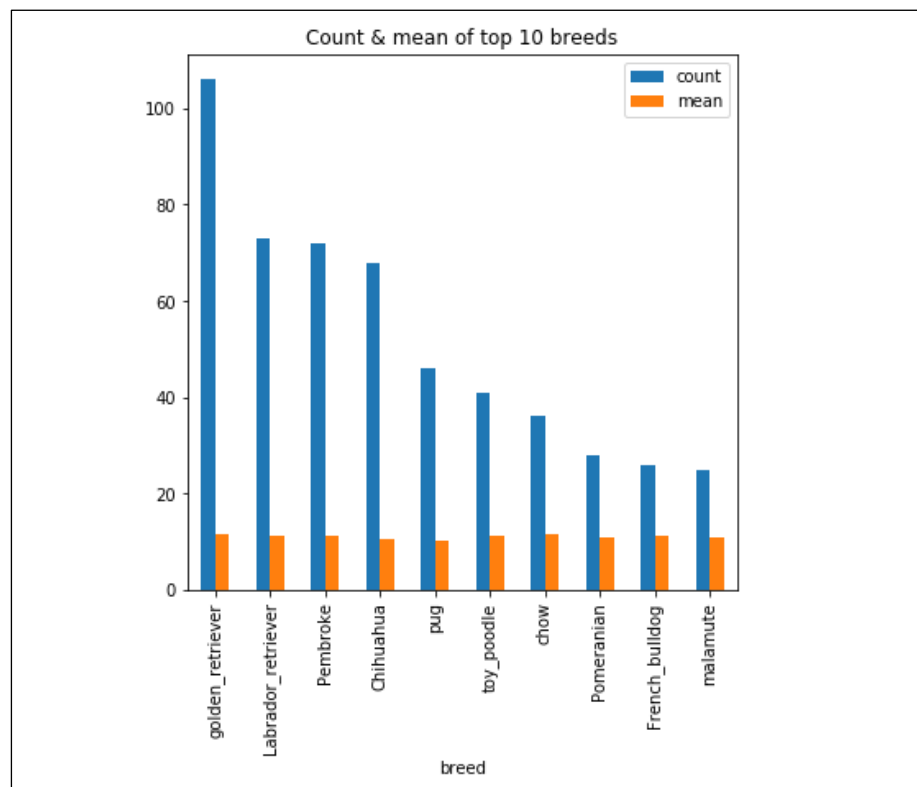| stage	count	mean	std	min	25%	50%	75%	max
None	1190.0	12.170294	51.223705	2.0	10.0	11.0	12.0	1776.00
doggo	36.0	12.083333	1.480830	8.0	11.0	12.0	13.0	14.00
floofer	5.0	11.600000	1.140175	10.0	11.0	12.0	12.0	13.00
pupper	122.0	10.998033	7.630242	3.0	10.0	10.5	11.0	92.49
puppo	15.0	11.800000	1.264911	9.0	11.5	12.0	13.0	13.00

C) Combining dog stages with timestamp we can say that floofer is not a new term, they were first introduced on Jan 2016. Combining this with minimum numerator ratings which is 10 we can say that floofers got consistently good ratings.

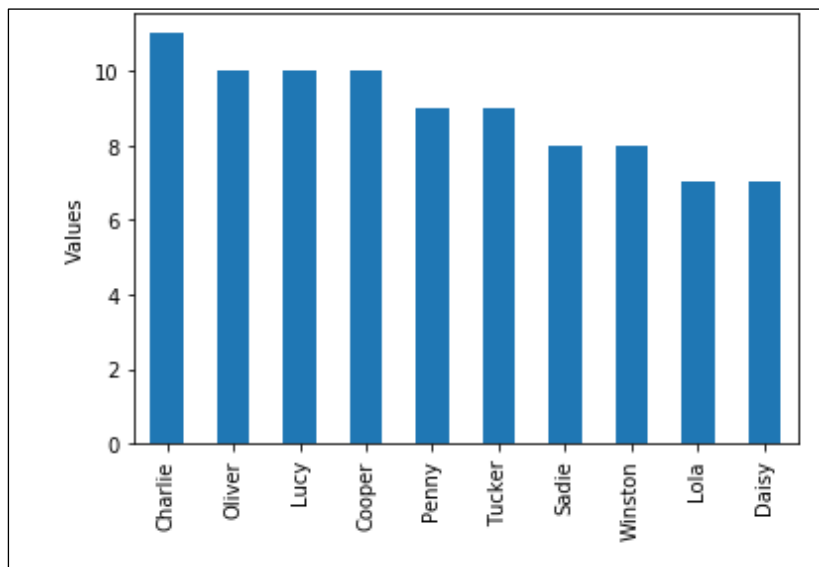| stage	count	unique	top	freq
None	1191	1191	2016-01-20 04:13:20+00:00	1
doggo	36	36	2016-09-12 16:05:54+00:00	1
floofer	5	5	2016-01-08 03:50:03+00:00	1
pupper	122	122	2016-09-20 00:24:34+00:00	1
puppo	15	15	2016-10-16 18:11:26+00:00	1

D) Upon analysing top ten most rated dogs we analysed golden retriever are the most rated dogs among all other breeds of dogs whereas cocker spaniel are the least rated dogs.

The Most Rated Breeds

E) Combining top ten most rated dogs with numerator ratings we got to see that chow breed has the highest mean ratings whereas pug breed got the lowest ratings among top 10 most rated breeds.

Count & mean of top 10 breeds

F) In top ten popular dog names, Charlie is the most favorite name whereas Diasy is the least favorite name.

G) Upon analysing Favorites and retweets trend over time, we realized increment in favorites and retweets over time. We can say that there is increment in popularity of "WeRateDogs" over time.