

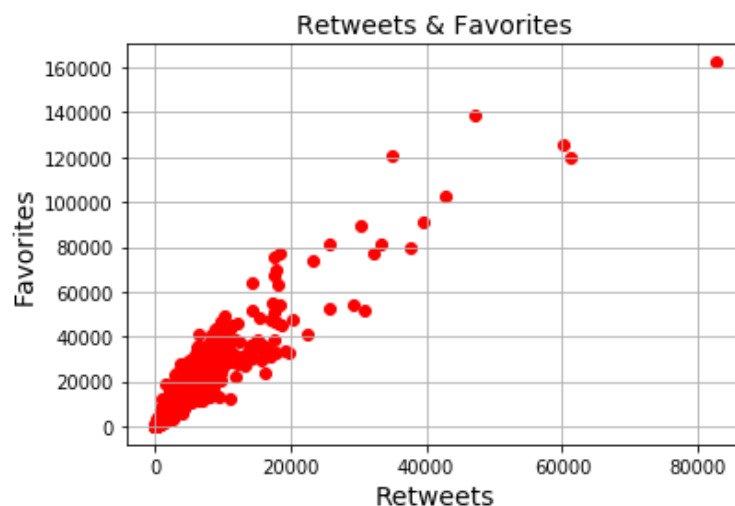
## Top Breed and Stages of WeRateDogs

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WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. There are many aspects and details within the contents of WeRateDogs, some about the details of the dogs such as the image, the caption, the breed, the stages (young as pupper or mature as doggo) etc. Some aspects also mentioned about the people's opinions regarding the dogs such as favorite counts, retweet counts, ratings etc. In this report, I will analyze the details of the dogs especially its top breeds and top stages according to retweets and favorites counts.

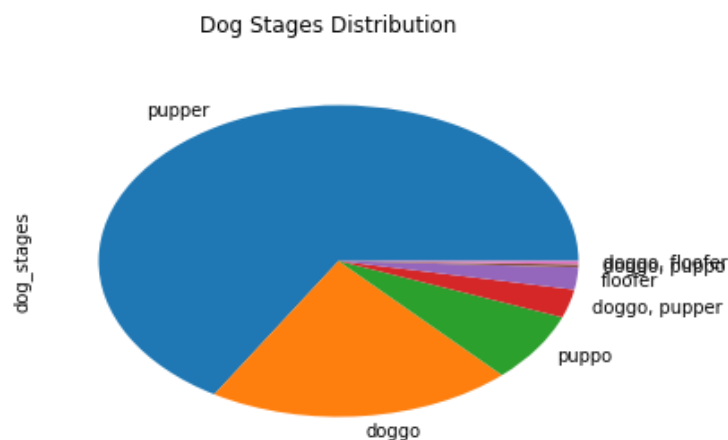
### Analysis 1: Retweets and Favorites

First, there is a need to analyze the relationship between retweets and favorites counts in order to know the reasons if there is a different results between favorites-base test and retweets-base test.

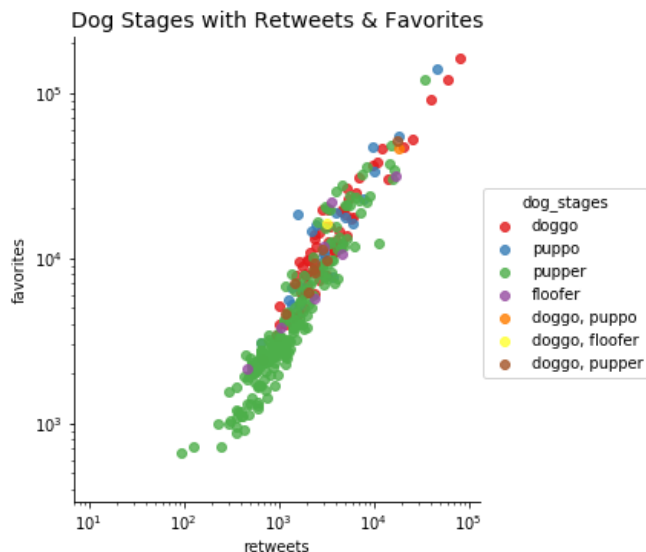


From the graph above we can see that their relationship is a positive relationship and we can infer that each of their results from later tests should be similar.

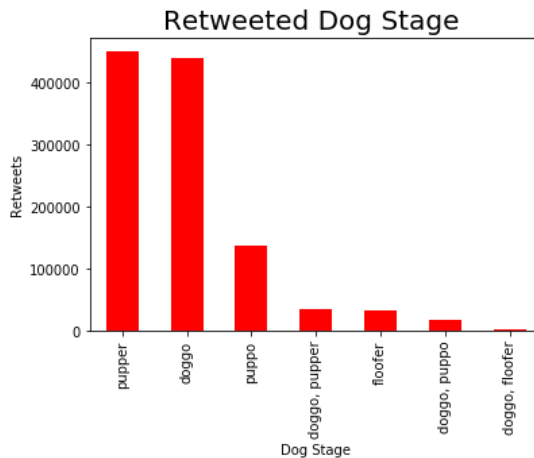
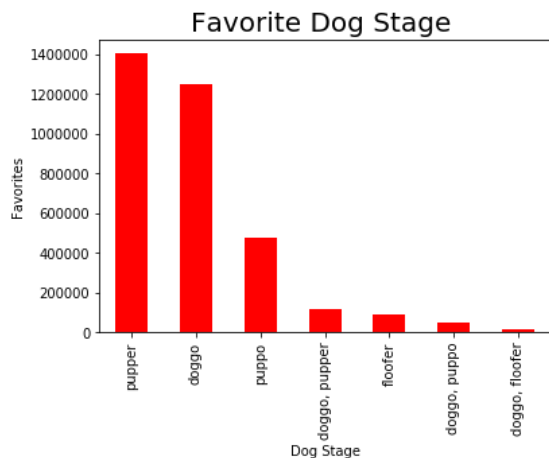
### Analysis 2: Dog stages with Retweets & Favorites



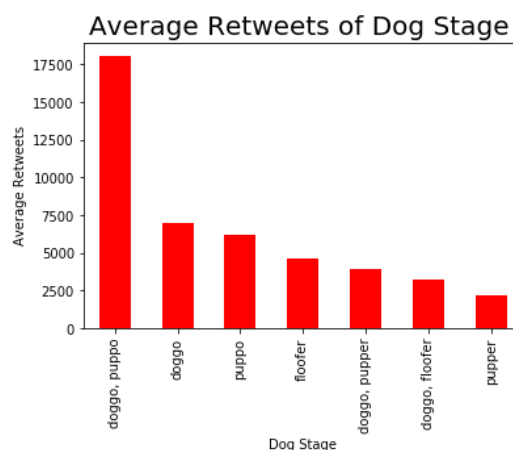
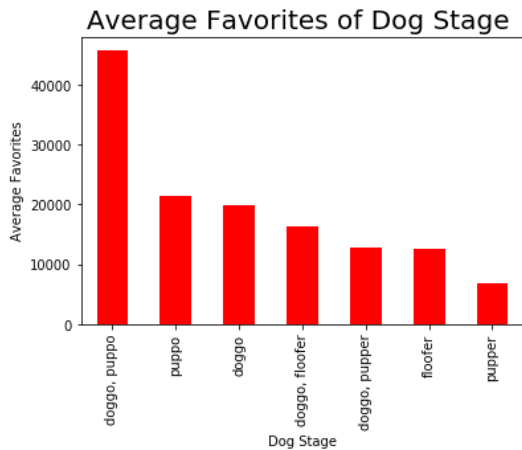
According to the graph above, the counts for pupper stage is the most followed by doggo stage.



It is also shown in the graph above that the pupper stage dog have high frequency even if the average value of each favorite or retweet is low which might help pupper stage as the top breed dog.

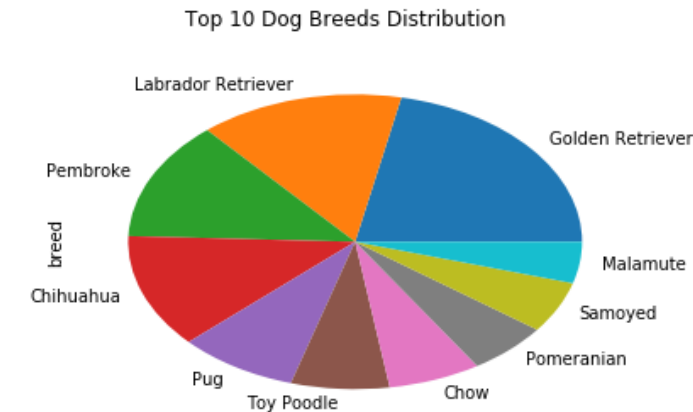


Both of the tests have the same results and order; however, it can be inferred that on average pupper stage have a low value from the graph before.



On average, since doggo, puppo entry only have one entry, it might be invalid to be considered as the most favorited averagely which is why puppo is the most favorited stages on average while doggo is the one with the most average for retweets. This might be the reason why even though the order is the same, their sum graph shapes are different. The cause of the number one dog stage result of pupper in both favorites and retweets is because pupper have the highest counts.

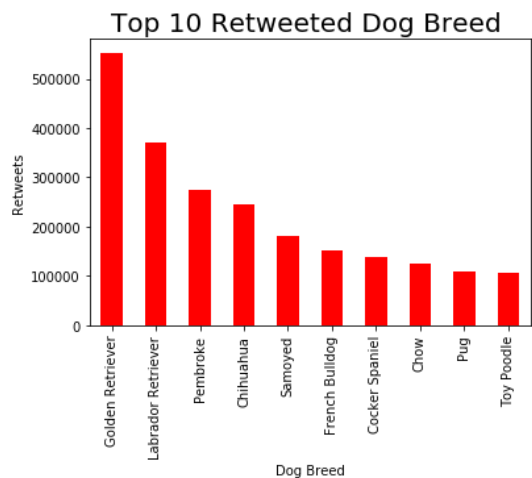
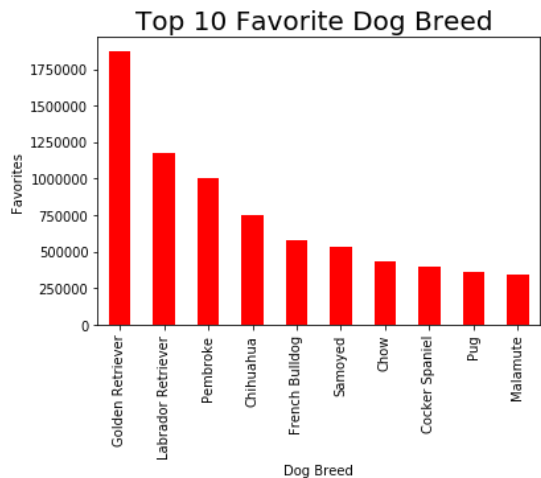
Analysis 3: Top 10 Dog breeds with Retweets & Favorites



After discarding the unrecognized breed, we have the order for top 10 dog breeds based on the frequency:

Golden Retriever	158
Labrador Retriever	106
Pembroke	95
Chihuahua	91
Pug	62
Toy Poodle	51
Chow	48
Pomeranian	42
Samoyed	41
Malamute	33

Name: breed, dtype: int64



breed	
Golden Retriever	1873626
Labrador Retriever	1172356
Pembroke	1005255
Chihuahua	747839
French Bulldog	582354
Samoyed	536046
Chow	434169
Cocker Spaniel	393453
Pug	363401
Malamute	339640

Name: favorites, dtype: int64

breed	
Golden Retriever	552580
Labrador Retriever	369693
Pembroke	273954
Chihuahua	245359
Samoyed	180794
French Bulldog	152728
Cocker Spaniel	137923
Chow	124384
Pug	109977
Toy Poodle	107781

Name: retweets, dtype: int64

From the graphs and lists above, the top 10 dog breeds are shown as the lists above according to favorites count and retweets count; however, there are some differences in the ranking below Chihuahua breed. The reason might be shown in the average favorites and retweets ranking of top 10 dog breeds below.

breed	
Bedlington Terrier	23876.666667
Saluki	22979.750000
French Bulldog	19411.800000
Bouvier Des Flandres	17066.000000
Afghan Hound	16362.666667
Black-And-Tan Coonhound	16190.500000
Flat-Coated Retriever	15997.625000
Irish Water Spaniel	15537.000000
Leonberg	14125.000000
Whippet	13956.181818

Name: favorites, dtype: float64

breed	
Bedlington Terrier	7761.666667
Afghan Hound	5551.000000
Standard Poodle	5152.545455
French Bulldog	5090.933333
English Springer	5051.000000
Saluki	4784.750000
Whippet	4764.727273
Cocker Spaniel	4597.433333
Eskimo Dog	4492.590909
Samoyed	4409.609756

Name: retweets, dtype: float64

From the top 10 dog breeds average ranking of favorites and retweets above, it can be inferred that both ranking have different lists which causes the differences in the top 10 dog breeds ranking of favorites and retweets (The example: Samoyed breed does not even in the top 10 dog breeds average favorites ranking while Samoyed breed ranked 10<sup>th</sup> in the top 10 dog breeds average retweet ranking).

By comparing the ranking of top 10 dog breeds frequency with top 10 dog breeds of favorites and retweets, we can conclude that the breed of Golden Retriever, Labrador Retriever, Pembroke, Chihuahua managed to snatch top 4 dog breeds ranking of favorites and retweets due to the frequency of their data.