

ACT REPORT

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INTRODUCTION:

In this project I am going to gather, assess, clean and analyze real world data using multiple sources on WeRateDogs Twitter archive. WeRateDogs which is a popular Twitter page with more than 7.28 million followers as of Sep/2018. WeRateDogs rate people's dogs with a humorous comment about the dog. Their rating is also very humorous as they use a denominator of 10.

This is by far one of my top favorite projects where I had to do everything myself and showcase my data analysis abilities. I have also included a list of references that I used during the project at the end of the code file.

ANALYSIS

In the analysis section, I answer the following questions:

1. Descriptive Statistics Analysis of the dataset
2. What are the most popular dog breed in this dataset?
4. What is the most liked dog and is there is any relationship between most liked and most tweeted dog.
5. What is the most popular dog name?

DESCRIPTIVE STATISTICAL ANALYSIS

	rating_numerator	rating_denominator	retweet_count	favorite_count	confid_level
count	1651.000000	1651.0	1651.000000	1651.000000	1651.000000
mean	10.823004	10.0	2742.921260	9180.416717	0.551038
std	1.776655	0.0	4942.486963	13344.997374	0.298883
min	0.000000	10.0	12.000000	80.000000	0.000010
25%	10.000000	10.0	610.000000	2082.000000	0.305515
50%	11.000000	10.0	1370.000000	4315.000000	0.550702
75%	12.000000	10.0	3121.000000	11389.000000	0.822520
max	14.000000	10.0	84504.000000	164927.000000	0.999956

THE MOST POPULAR BREED

The most popular dogs in the dataset are:

Golden Retriever	153
Labrador Retriever	103
Pembroke	94
Chihuahua	89
Pug	62

THE LEAST POPULAR BREED

The lowest rated dog breed is :

American Staffordshire Terrier	1
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MOST LIKED DOG BREED

The most liked dog breed is:

822	Labrador Retriever
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Name: dog_breed, dtype: object
with 822 164927.0

LEAST LIKED DOG BREED

The least liked dog breed is:

2065	English Setter
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Name: dog_breed, dtype: object
with 2065 80.0

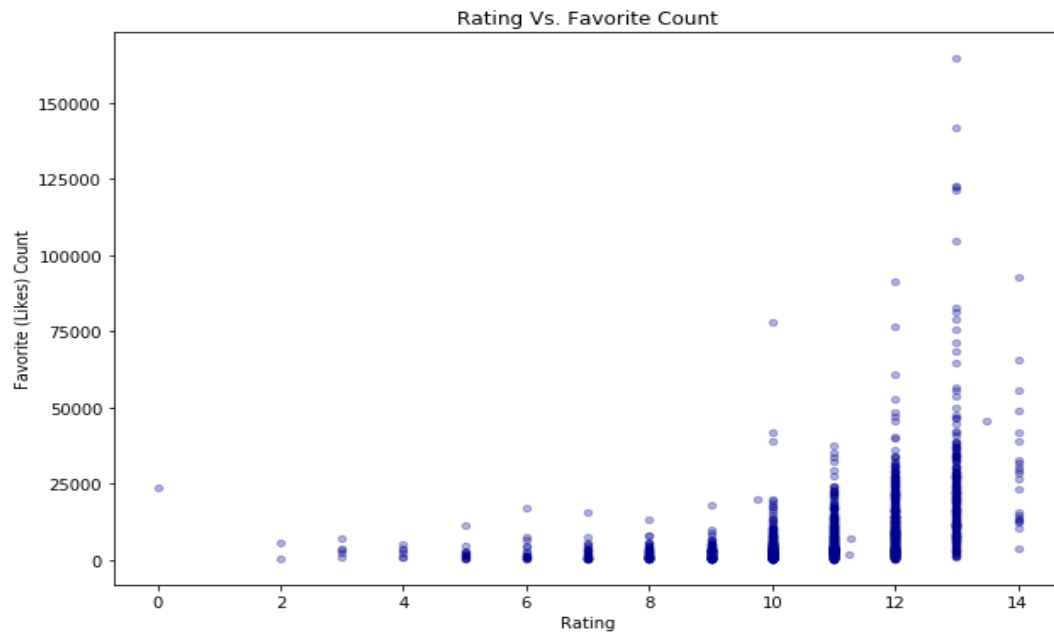
MOST POPULAR DOG NAMES

The most popular dog names are:

Cooper	10
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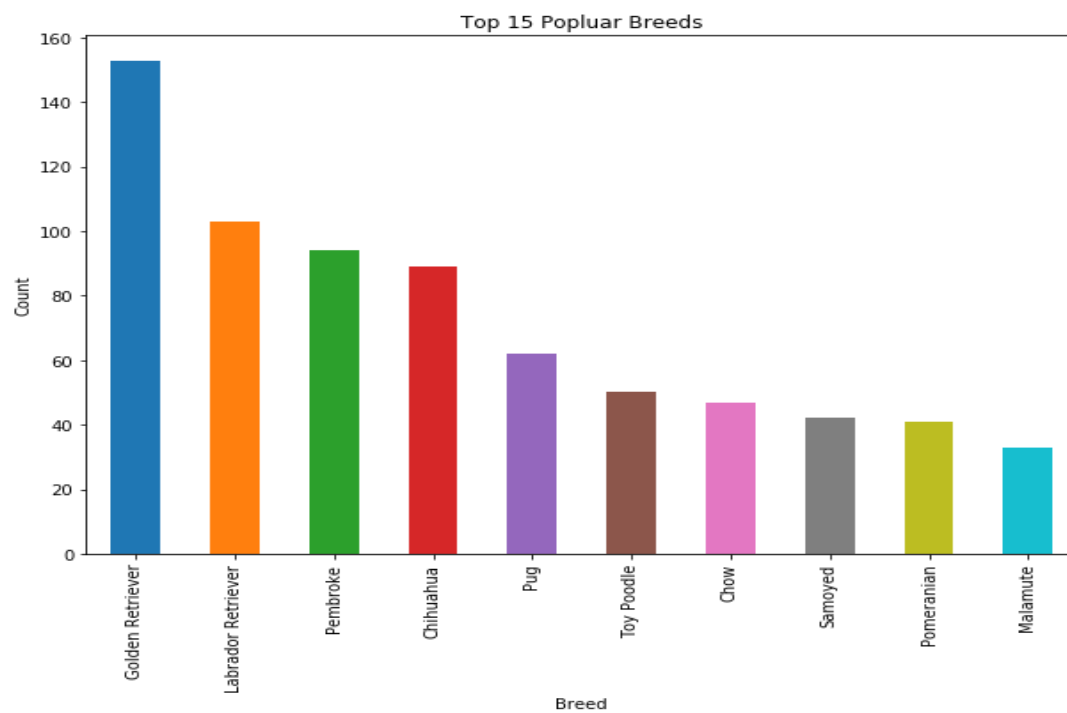
Lucy	10
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RATING VS FAVORITE COUNT



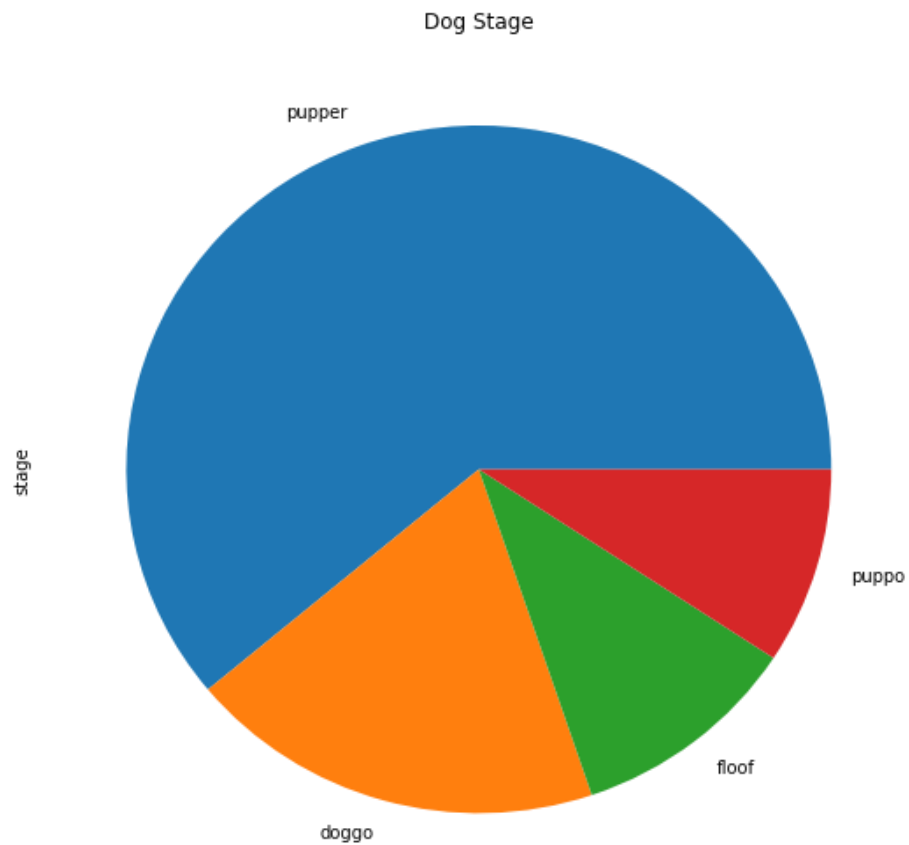
As we can see in the scatterplot above, there is a positive correlation between dot's rating by WeRateDogs and it's twitter likes.

TOP 15 POPULAR BREEDS



We could see the top 15 most popular dog breeds in our dataset. Golden Retrievers are ranked the highest then we have Labrador Retrievers and Pembrokes ranking 2nd and 3rd respectively.

DOG STAGE



Of the dogs classified in the four stages, pupper was the most popular dog stage in our dataset.