Data Analyzing Report

The dataset:

The dataset is the tweet archive of Twitter user **@dog_rates**, also known as **WeRateDogs**. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. The enhanced data set countain these informations :

'tweet_id' : Contains the id of the tweet .
'text' : The text of the tweet
'rating_numerator ': The numerator of the rathing.
'rating_denominator': The denominator of the rathing.
'name': The name of the dog.
'dog_name': The type of the dog.
'jpg_url': The URL of the image.
'img_num': The number of images.
'p1': Prediction number 1.
'p1_conf' : Prediction percentage.
'p1_dog' : Prediction true or false.
'P2': Prediction number 2.
'p2_conf' : Prediction percentage.
'p2_dog' : Prediction true or false.
'P3': Prediction number 3.
'p3_conf': Prediction percentage.
' p3_dog ': Prediction true or false
'retweet_count' : The number of retweets of a tweet.
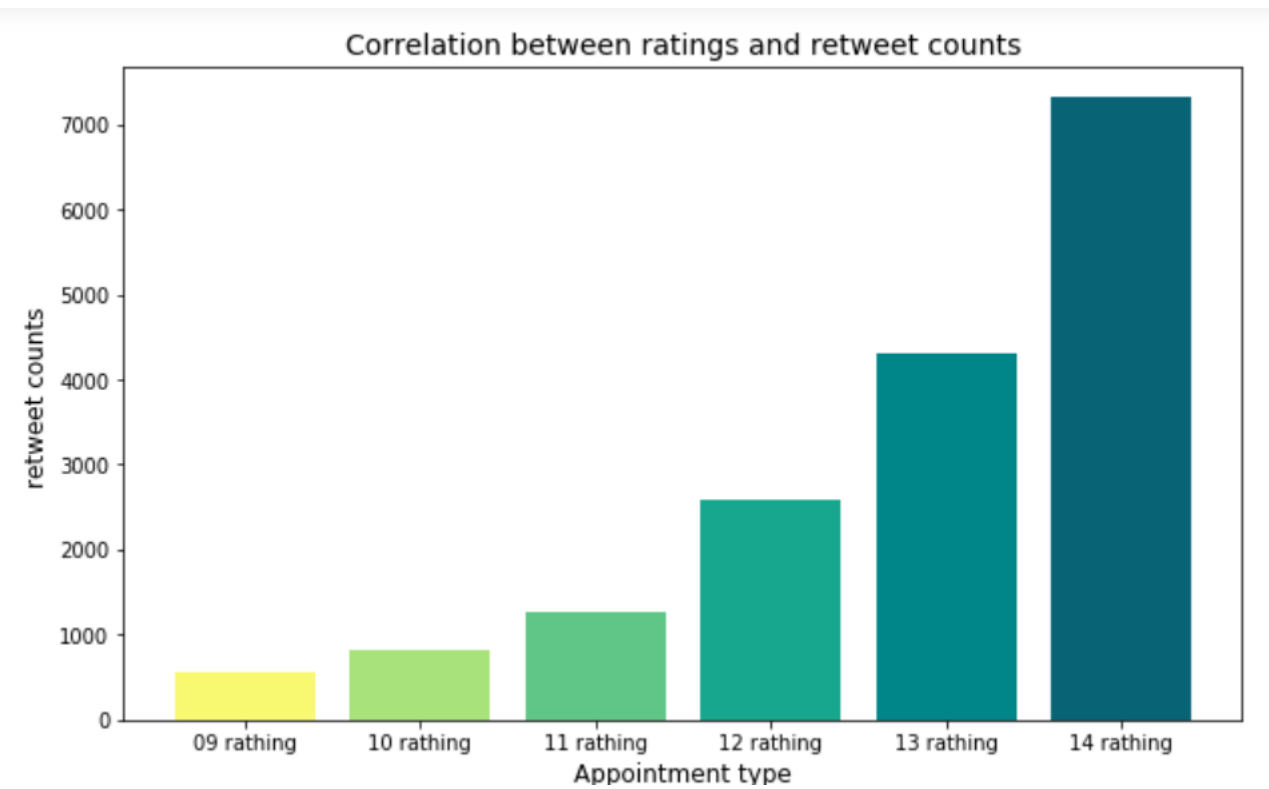'favorite_count' : The number of favorites of a tweet.

- Insights :

- Question1 :
Is there a correlation between the dog's rathing and th retweeet count of the tweet?

To answer this question I calculated the median of the 'retweet_count' for a number rathing (9/10 , 10/10 , 11/10 , 12/10 , 13/10 , 14/10) using the median() function.

- Visualisation1:
I visualized the results using matplotlib plot function.

- Insight1:
When the rathing increases, so does the number of retweets.

- Question2 :
Which dog breeds are easy to predict?

To answer this question I searched for the dog breads with the highest prediction percentage using the unique() function.
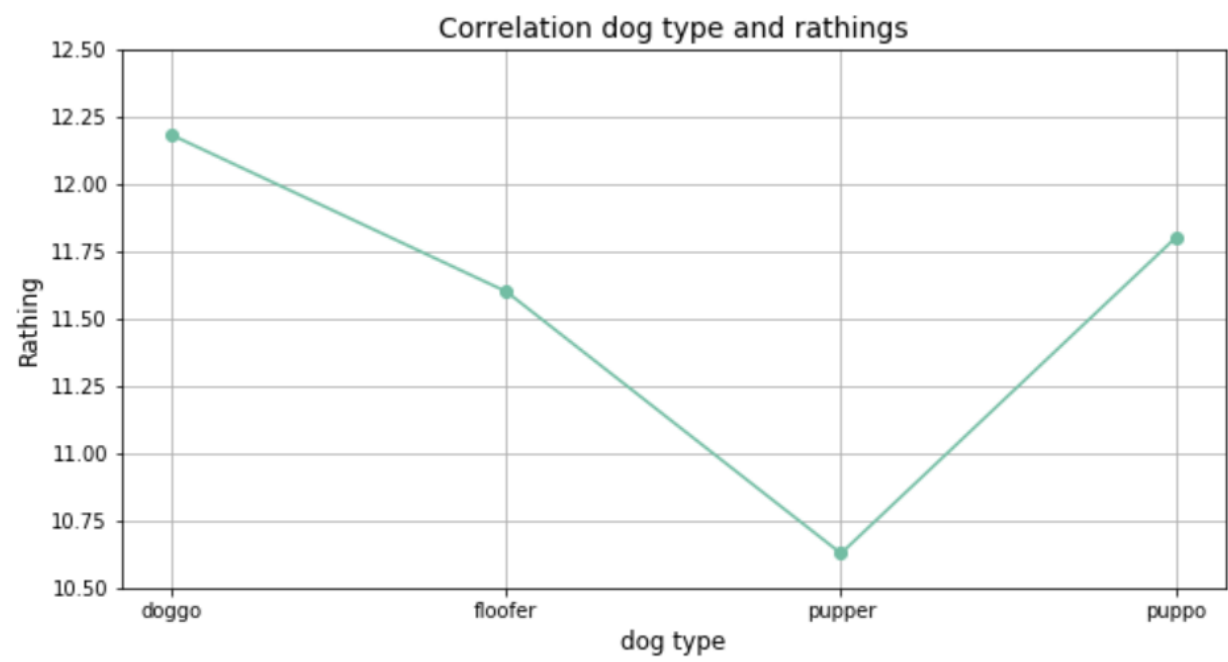
- Insight2:
I found that The breeds that are easy to predict are :

 samoyed, french bulldog,golden retriever, pug,blenheim spaniel, chow, vizsla, basset, pembroke,labrador retriever, shetland sheepdog , komondor, chihuahua,schipperke, bernese mountain dog, afghan hound,brittany spaniel, leonberg, great pyrenees,norwegian elkhound, west highland white terrier, pekinese, old english sheepdog, american staffordshire terrier, pomeranian, rottweiler, dalmatian, doberman, bull mastiff, tibetan mastiff, malamute, yorkshire terrier, german shepherd, siberian husky, saint bernard,italian greyhound, keeshond, toy poodle, beagle, weimaraner, cocker spaniel, maltese dog, shih-tzu, great dane, boxer, miniature pinscher, boston bull, airedale, english setter, english springer, cardigan, collie, german short-haired pointer,and a miniature_schnauzer .

- Question3 :
Is there a correlation between the dog type and the rathing?

To answer this question I calculated the mean of the rathing for each dog type.

- Visualisation3:
I visualized the results using matplotlib plot function.

Correlation dog type and rathings

- Insight3:
The dog type "doggo" has the highst raithing fallowed by "floofer","puppo" then "pupper".