Report _Act Report

The data examined three main aspects that helped draw essential insights from the data set.

1. Examine the names of the dog and if high mean average retweet matches a high average favorite count; depict the nature of their relationship

2. Evaluate the mean image number which depicts the accuracy of whether the image is a dog based by name

3. Examine the average numerator rating by names for most of the dogs

Issue 1: Examine the names of the dog and if high mean average retweet matches a high average favorite count; depict the nature of their relationship

Question: Does the mean average favorite and retweet count have a positive or negative relationship?

The nature of relationship between the favorite count and tweet count is linear and positive. From the data examined which represent a sample of the data, it showed that for dog names with high retweet cunt also had high favorite count; hence these dogs seem to be loved most by people. The graph below depicts these relationships.

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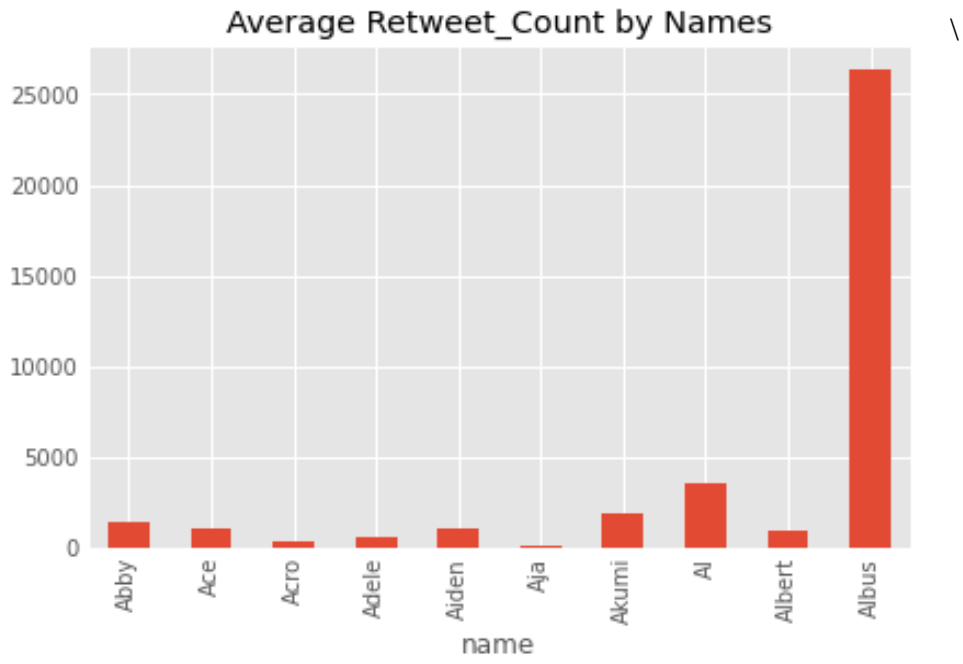
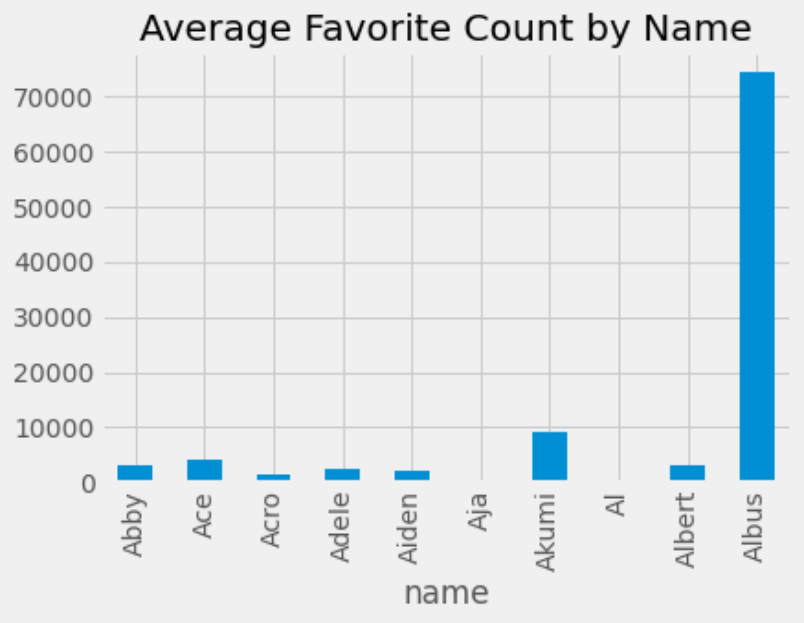
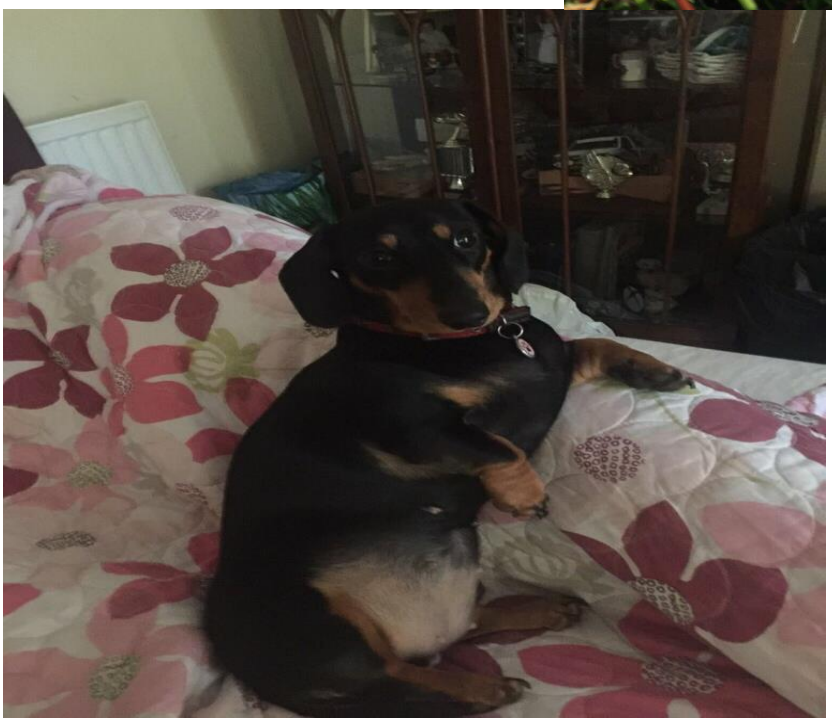



Average Favorite Count by Name
70000
60000
50000
40000
30000
20000
10000
0
Abby
Ace
Acro
Adele
Aiden
Aja
Akumi
Al
Albert
Albus
name

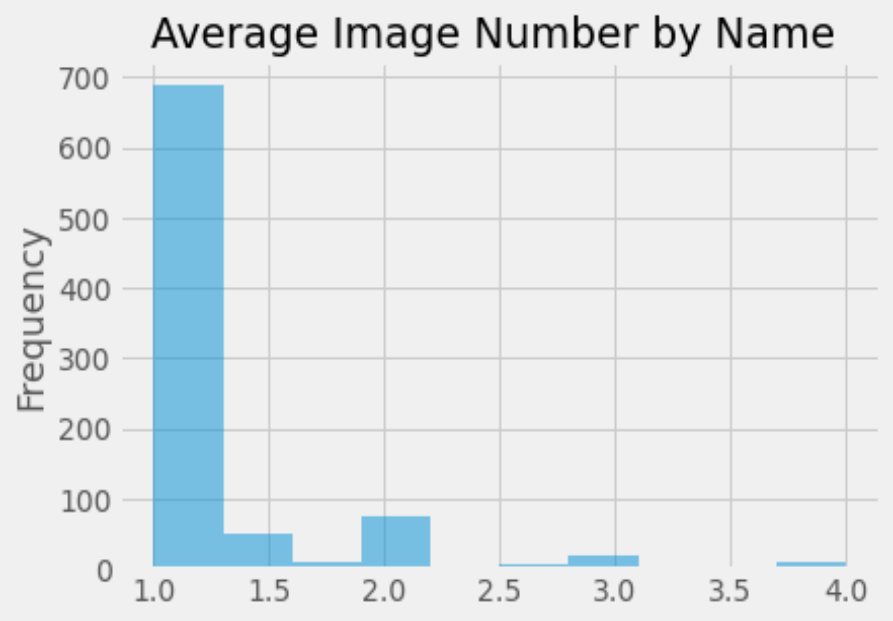
Dog Images



Issue 2: Evaluate the mean image number which depicts the accuracy of whether the image is a dog based by name

Question: What is the average image_num that depicts the accuracy of the image is a dog by its name?

The graph below which is a histogram examined the relationship between the image number and the name of the dog which had been run through the neural network. It can be observed the frequency of 1 is the highest hence images denoted by 1 are the most accurate dog images.



Issue 3: Examine the average numerator rating by names for most of the dogs

Question: What was the average numerator_rating by name for the dogs?

The boxplot shows that the average numerator rating grouped by the name of the dog for the first 20 dogs used as a sample have a median of around 11. Hence, the unique dog rating system gives most of the dogs a rating of above 10.