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## WeRateDogs Analysis

The WeRateDogs analysis covered three datasets with a total of 1994 tweets.

Facial recognition is not just something used by the FBI as one dataset dealt with pictures of dogs found in tweets that were fed into an algorithm to predict what kind of dog they were. Looking at the data you can see what dogs were predicted in images and what confidence the algorithm had that it was right. From this we see that the algorithm when predicting Bernese Mountain dogs with an average of 65% confidence.

A visualization was created depicting the relationship between the average confidence percentage and the number of dogs predicted, to see if there is a correlation. There is a definite positive correlation between the two. (see figure 1)

WeRateDogs contains data on what people label their dogs. There are four main types: Doggos, Floofers, Puppies, and Puppos. The ratings given to the different types by their owners showed that Puppos had the highest rating score on average, while Puppies had the lowest rating score on average. (see figure 2)

The final observation showed that there was a correlation with rating score and tweet favorites as Puppos came out on top again with the highest average favorites per tweet and Puppies came in the lowest again. (see figure 3)

This was an interesting snapshot into how twitter users post about their dogs and how they react to other posts of people dogs.

Figure 1

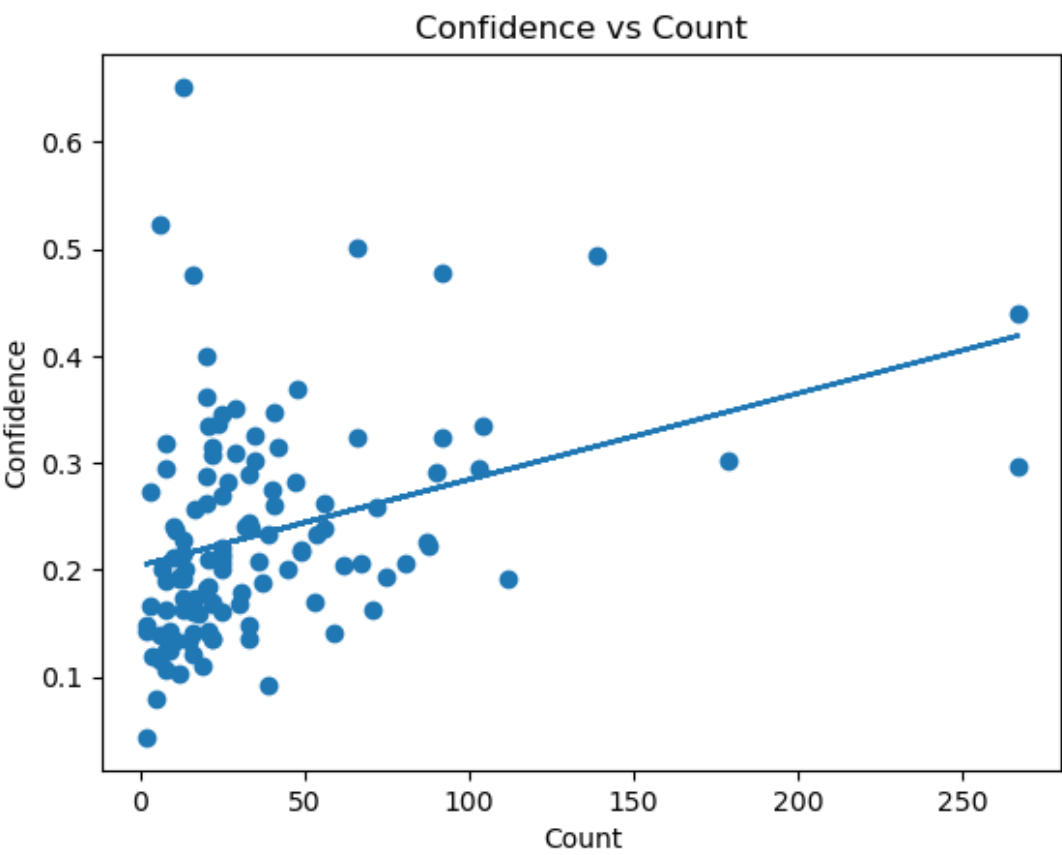


Figure 2

Type	Average Rating Score
Puppo	1.204
Floofer	1.188
Doggo	1.186
Pupper	1.073

Figure 3

Type	Average Favorites Per Tweet
Puppo	22,723
Doggo	19,190
Floofer	13,701
Pupper	7,229