

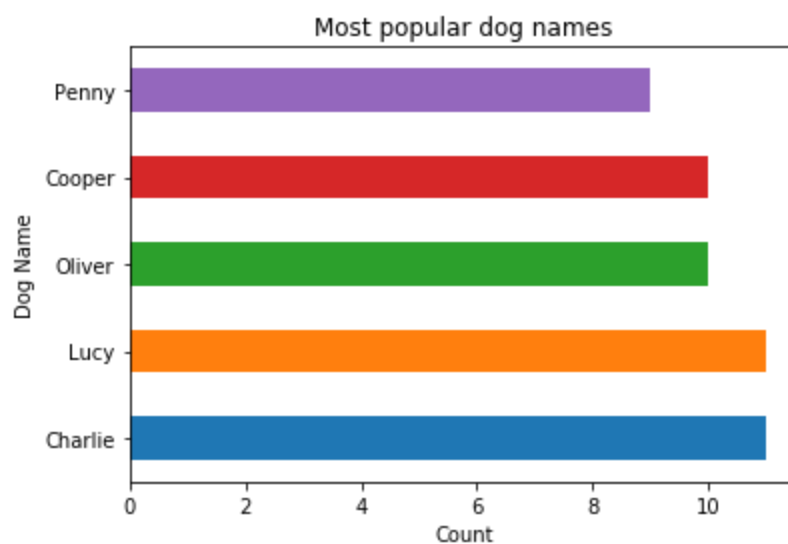
Act Report

Introduction

In this report I will document the insights that I observed from the tweet archive of Twitter account @dog_rate. @dog_rate is a popular twitter account that rates people's dogs with a humorous comment about the dog.

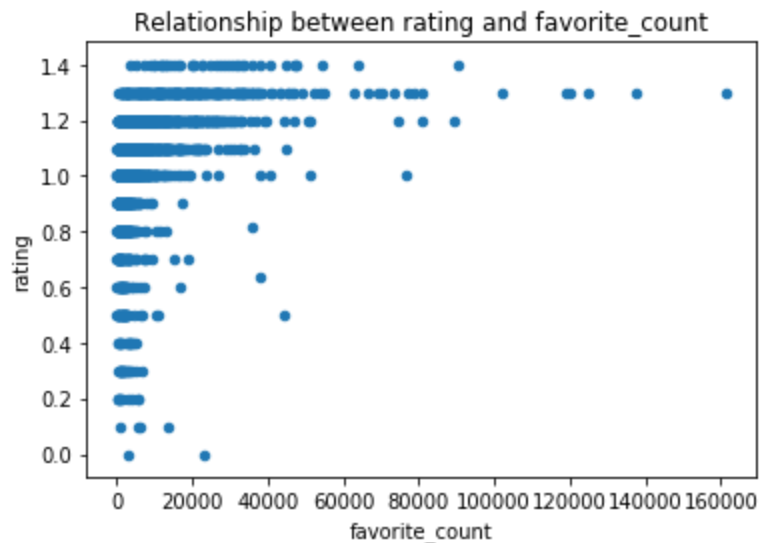
Insights

1. Top 5 most popular dog names.



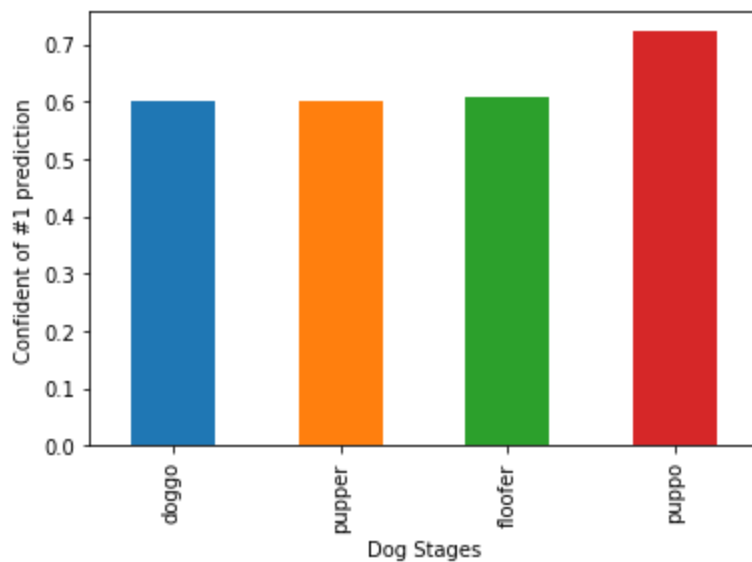
First I use "value_counts().head(5)" to search the top 5 popular dog names. And then plot the data to a bar chart. From the bar chart, we know Penny, Cooper, Oliver, Lucy and Charlie are the top 5 most popular dog names. Lucy and Charlie is the most popular dog names.

2. Is there a correlation between rating and favorite_count?



From the scatter plot, we can observe one's favorite count increase so does the rating. So there is a positive correlation between favorite_count and rating.

3. Which dog stage has the most confident the algorithm is for its #1 prediction.



From the bar chart, Puppo has the most confident the algorithm is in its #1 prediction among other dog stages. Perhaps Puppo is the most easily classified dog stage for neural network?