

Wrangling act visualization

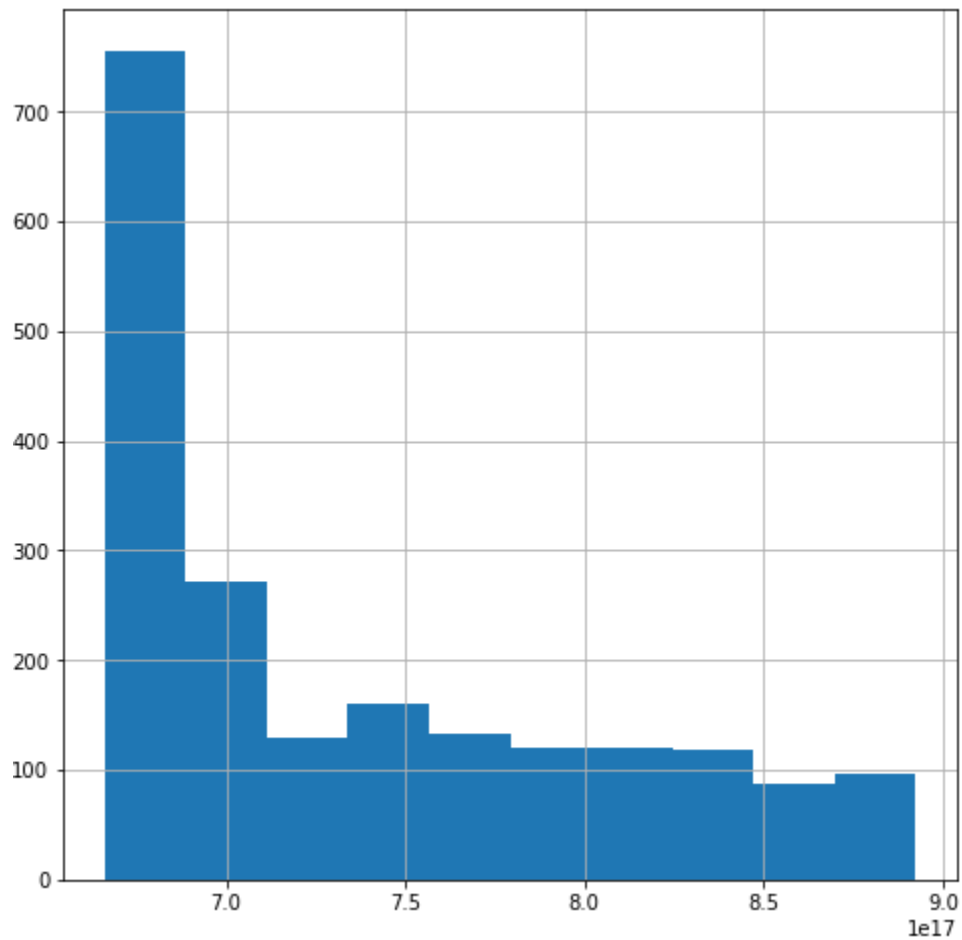
By

Mohammed A.M Yassin

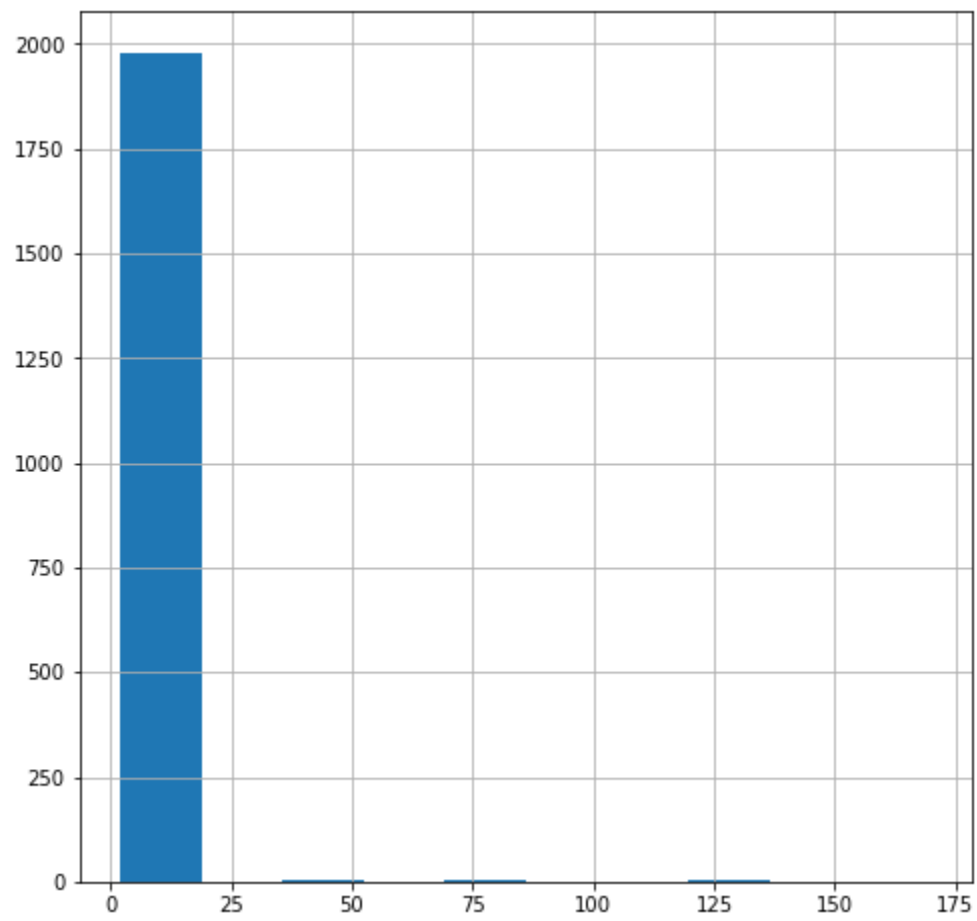
Visualization is a very important step in data analysis after wrangling the actual job is to visualize data so you can take actions know what variable to increase to improve your result (financially medically etc...) in this project 'WeRateDogs' is a Twitter account that rates people's dogs with a humorous comment about the dog
reference Wikipedia <https://en.wikipedia.org/wiki/WeRateDogs>

We rate dogs according to many variable the visualization I have done :

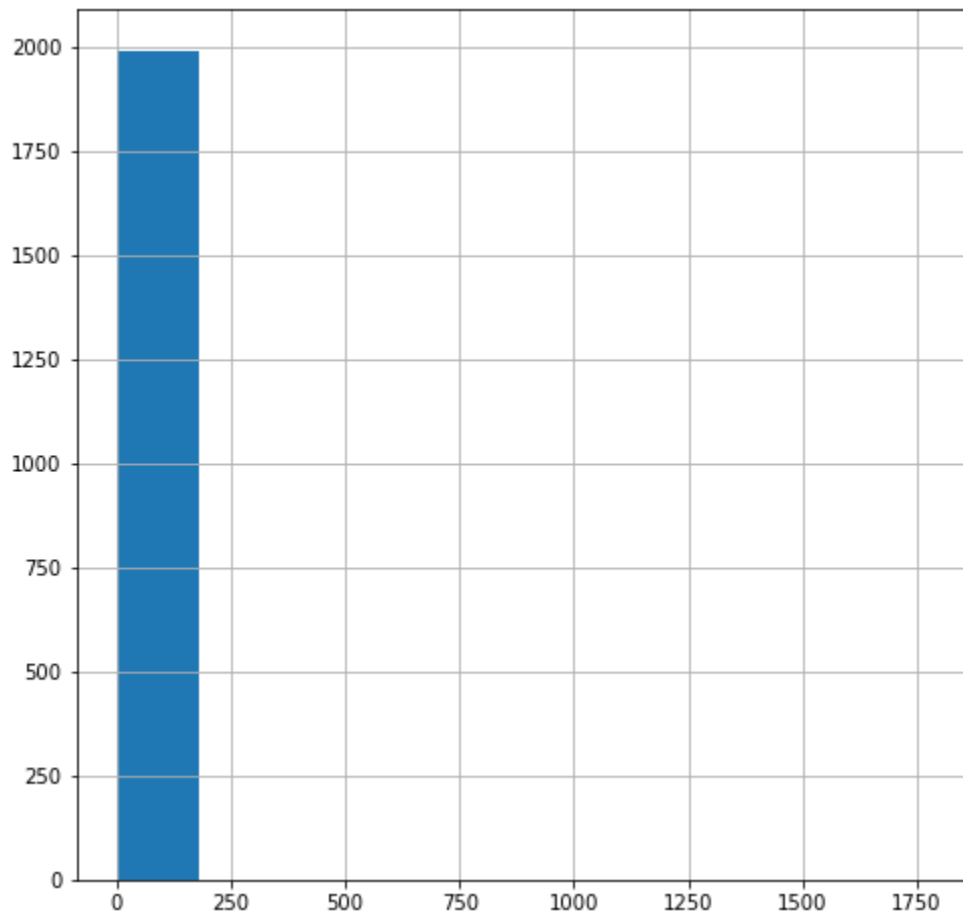
- 1- First I made a histogram for all of the columns to give me a quick view
A histogram for twitter_id



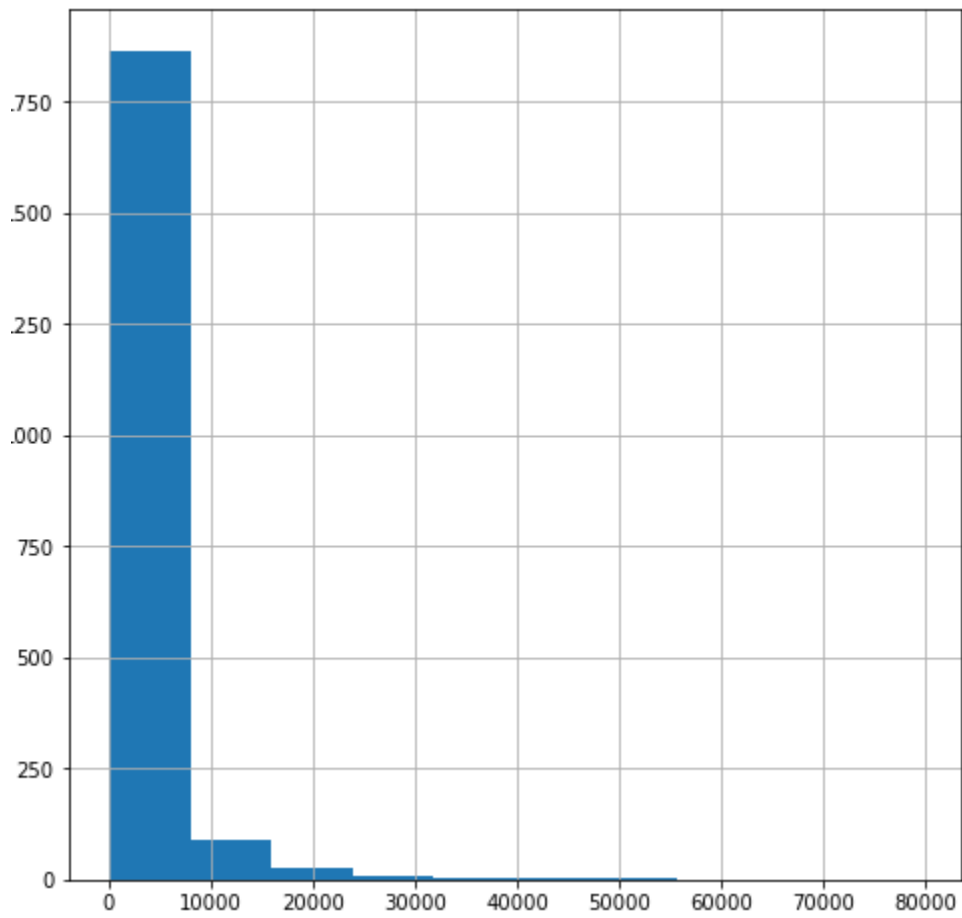
A histogram for `ratin_numerator`



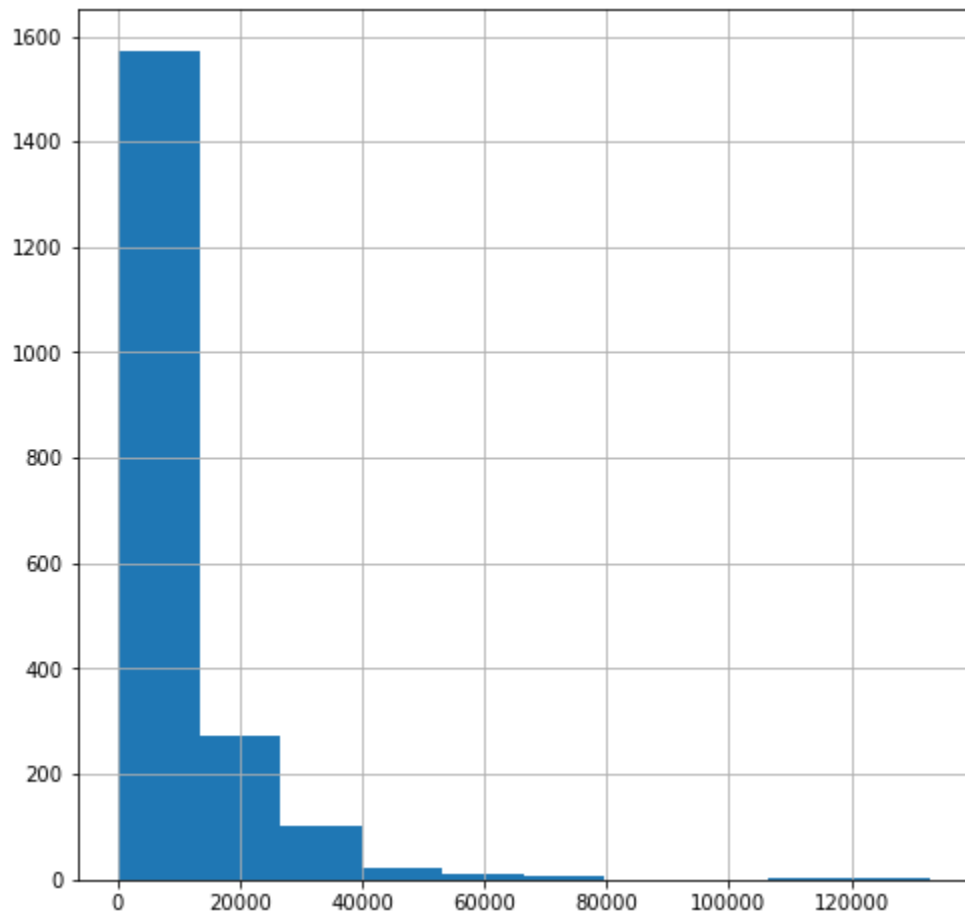
A histogram for rating_denominator



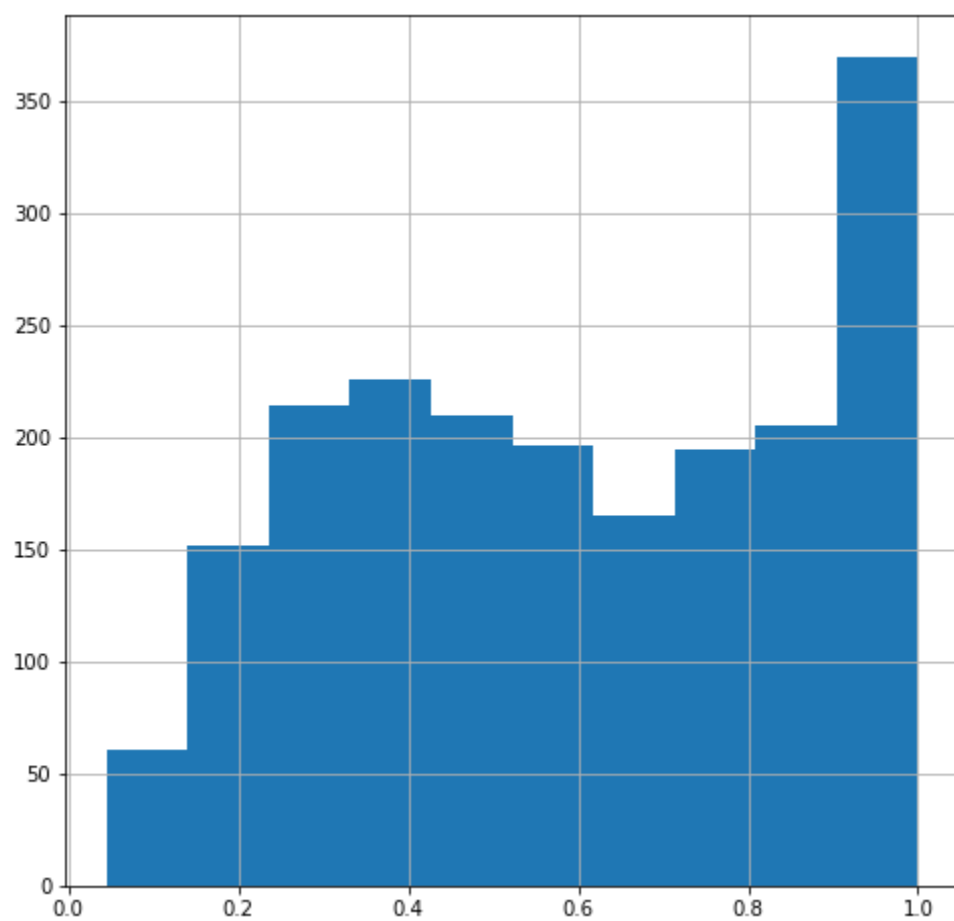
A histogram for retweet_count



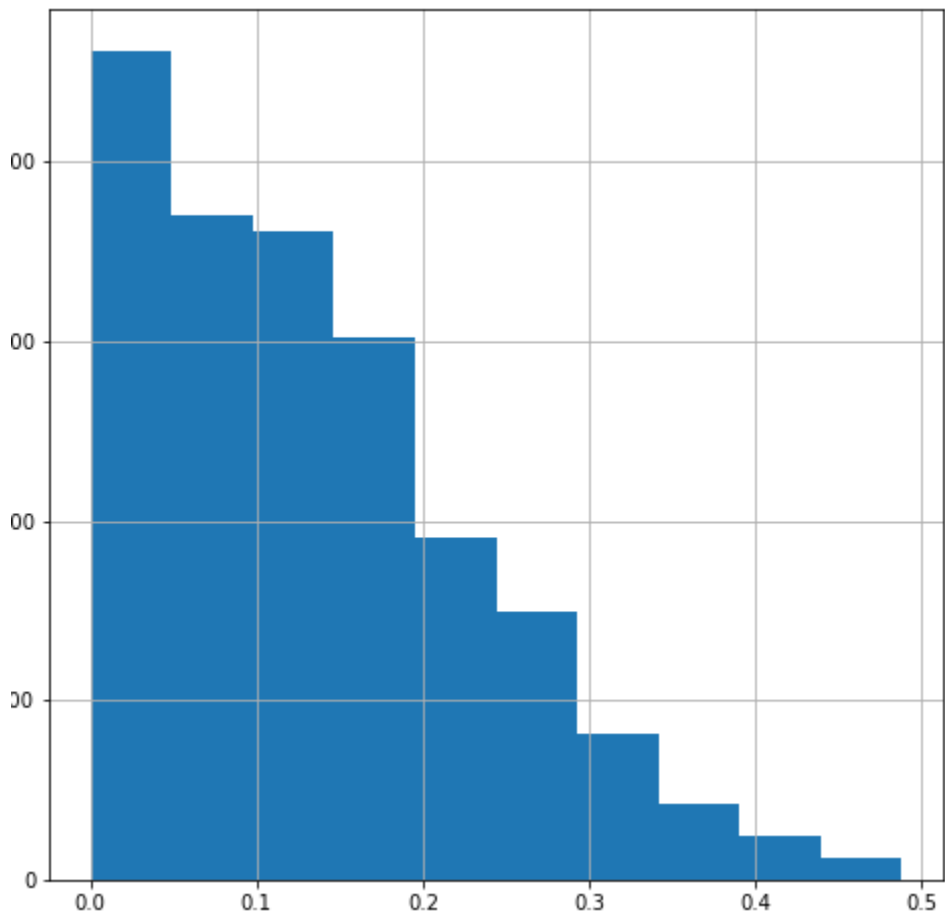
A histogram for favorite_count



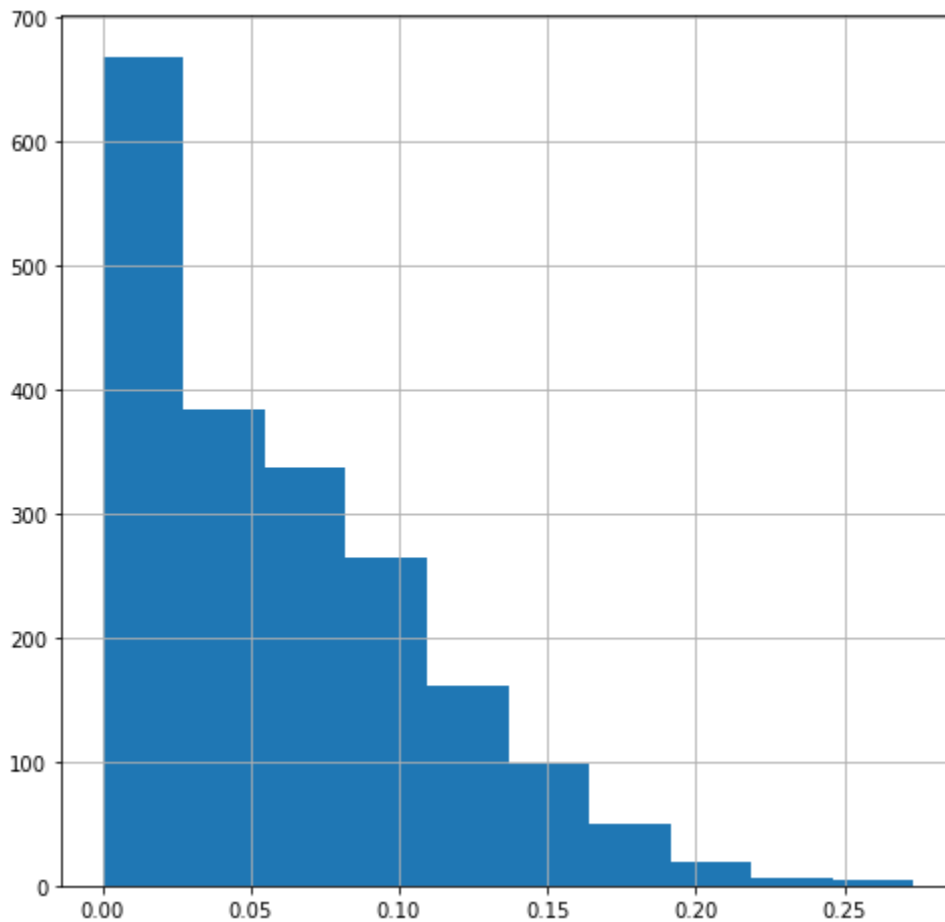
A histogram for p1_conf



A histogram for p2_conf



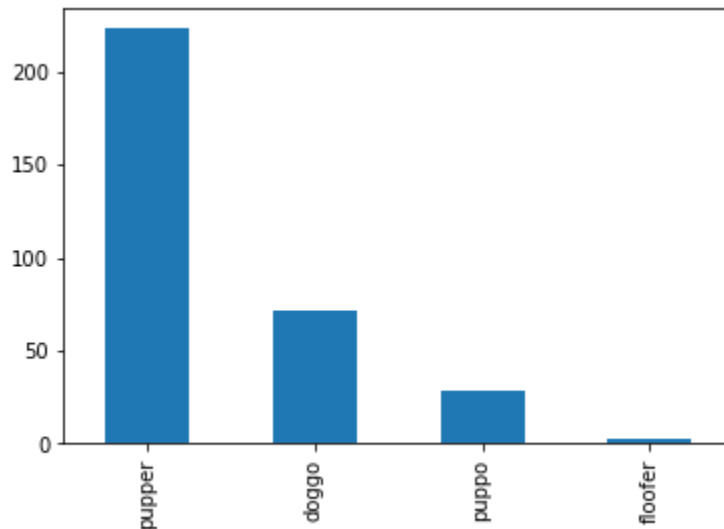
A histogram for p3_conf



The histogram was only helpful for some columns to give me a hint for the next question to analyze as for example the numerator and denominator column weren't useful as a histogram unlike favorite count column that give a hint about its frequency and distribution the histogram lead me to many question but I have focused in 3 to analyze

First about dog stages which one is most common

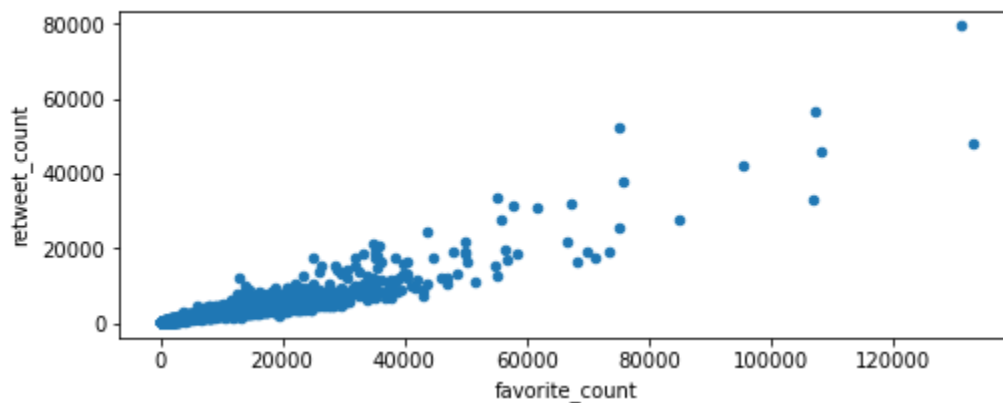
I have draw a bar chart and used a value_count to analyze it



We have seen that the most common is pupper

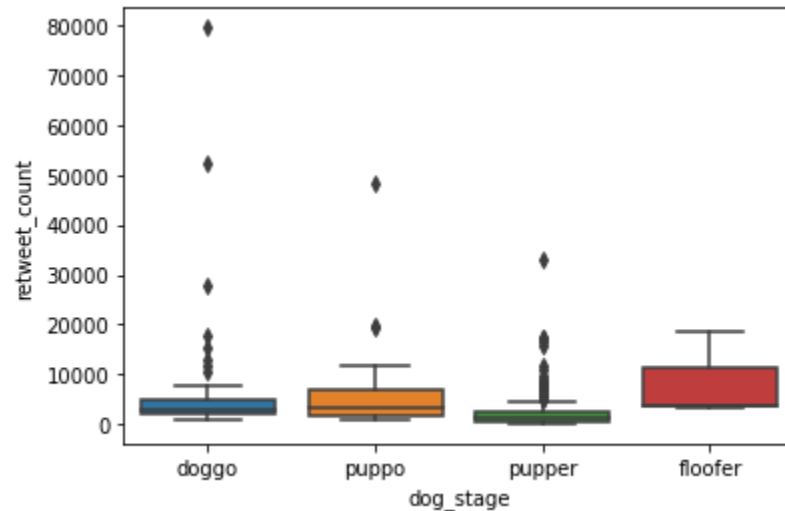
Next we need to know relation between retweet count and favorite count is it positive negative or there's no relation

To answer this I have drawn a scatterplot th



So there's a positive relation we can the get to The final question is which dog stage is most favorite ?

To answer this I have drawn a boxplot (seaborn library) with x = dog_stage and y = retweet_count



So the most faovrite stage is floofer although the most common one is pupper the most favorite is the floofer which may be that people get their dog when they're young but the like it when they reach the floofer stage