

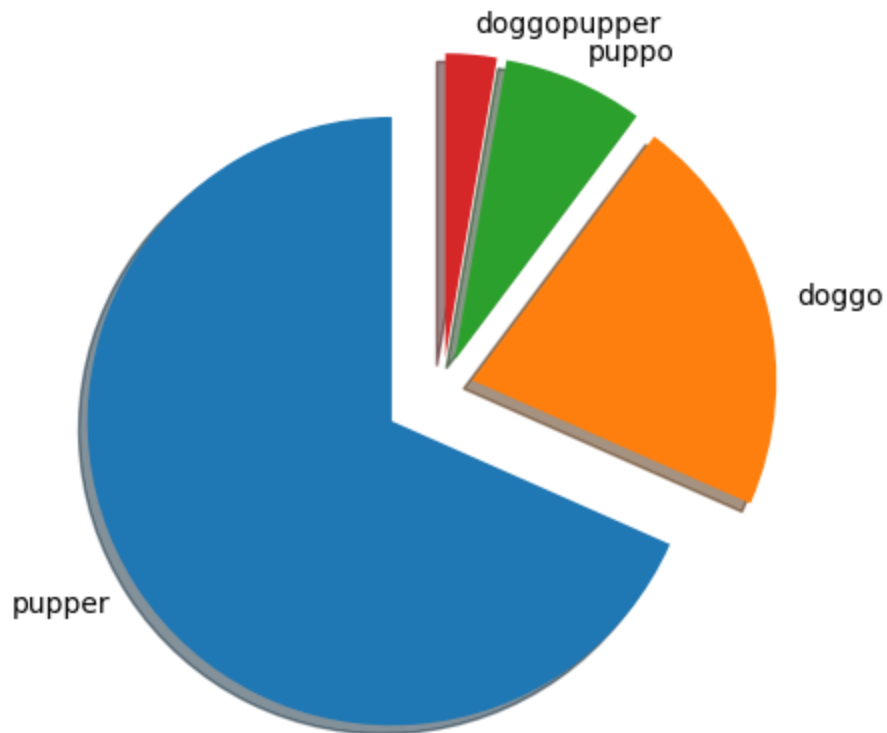


Act Report

Data Analyst Nanodegree

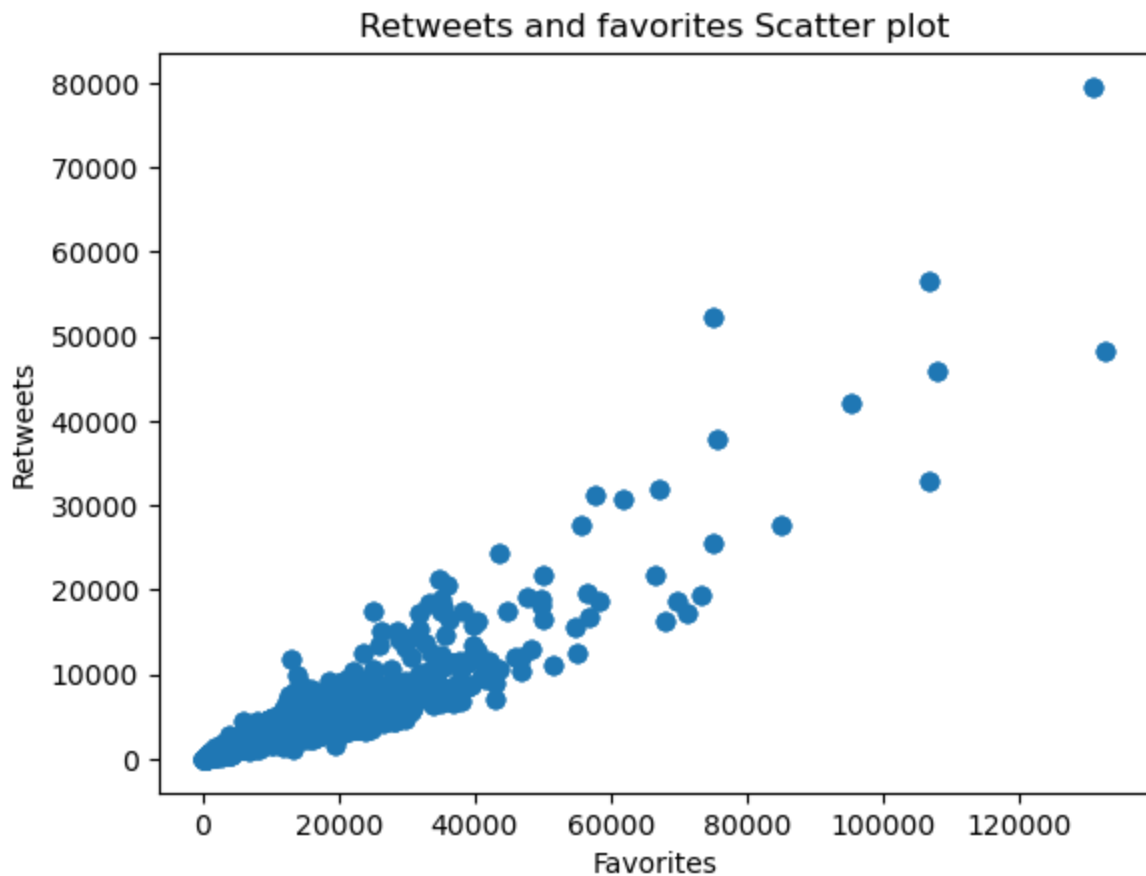
by **Mohammed Barakh**

The Distribution of Dog Stages:



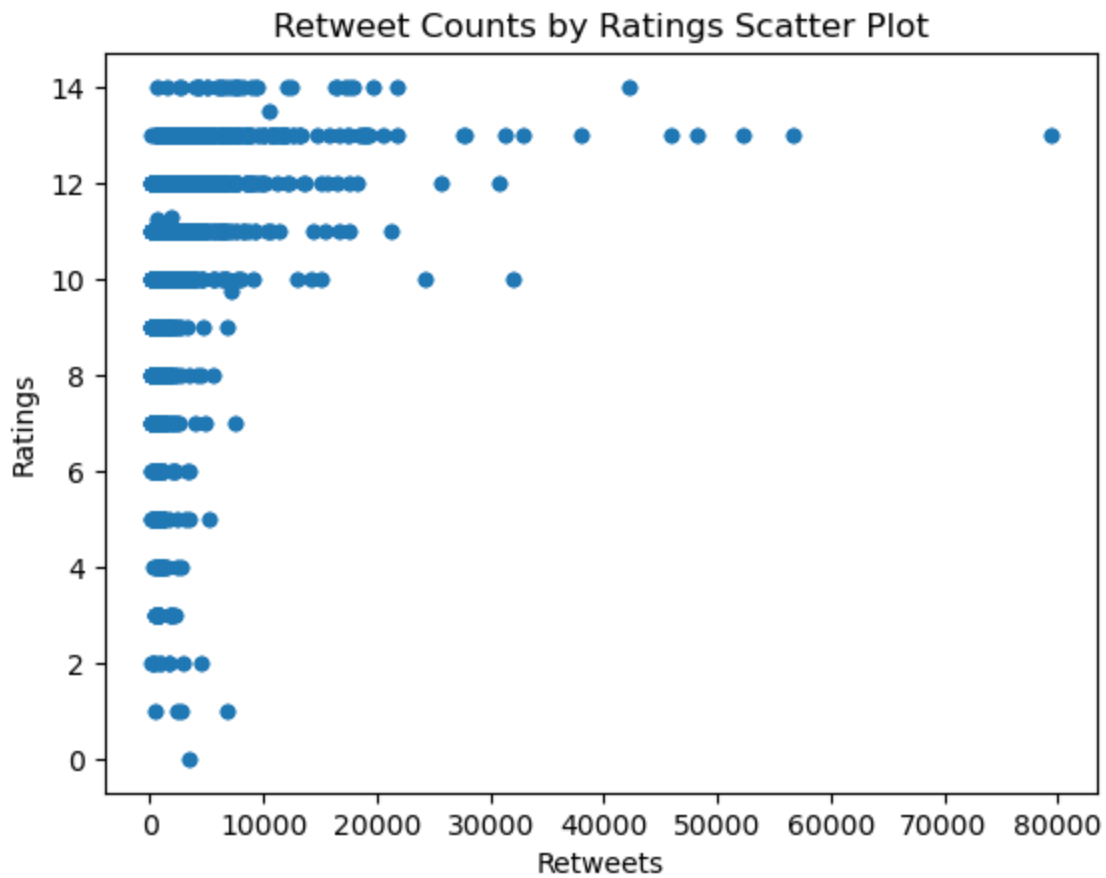
As is evident from the data presented, the most prevalent life stage in this dataset is "Pupper," with "doggo" following behind.

Correlation between Retweets and Favorites



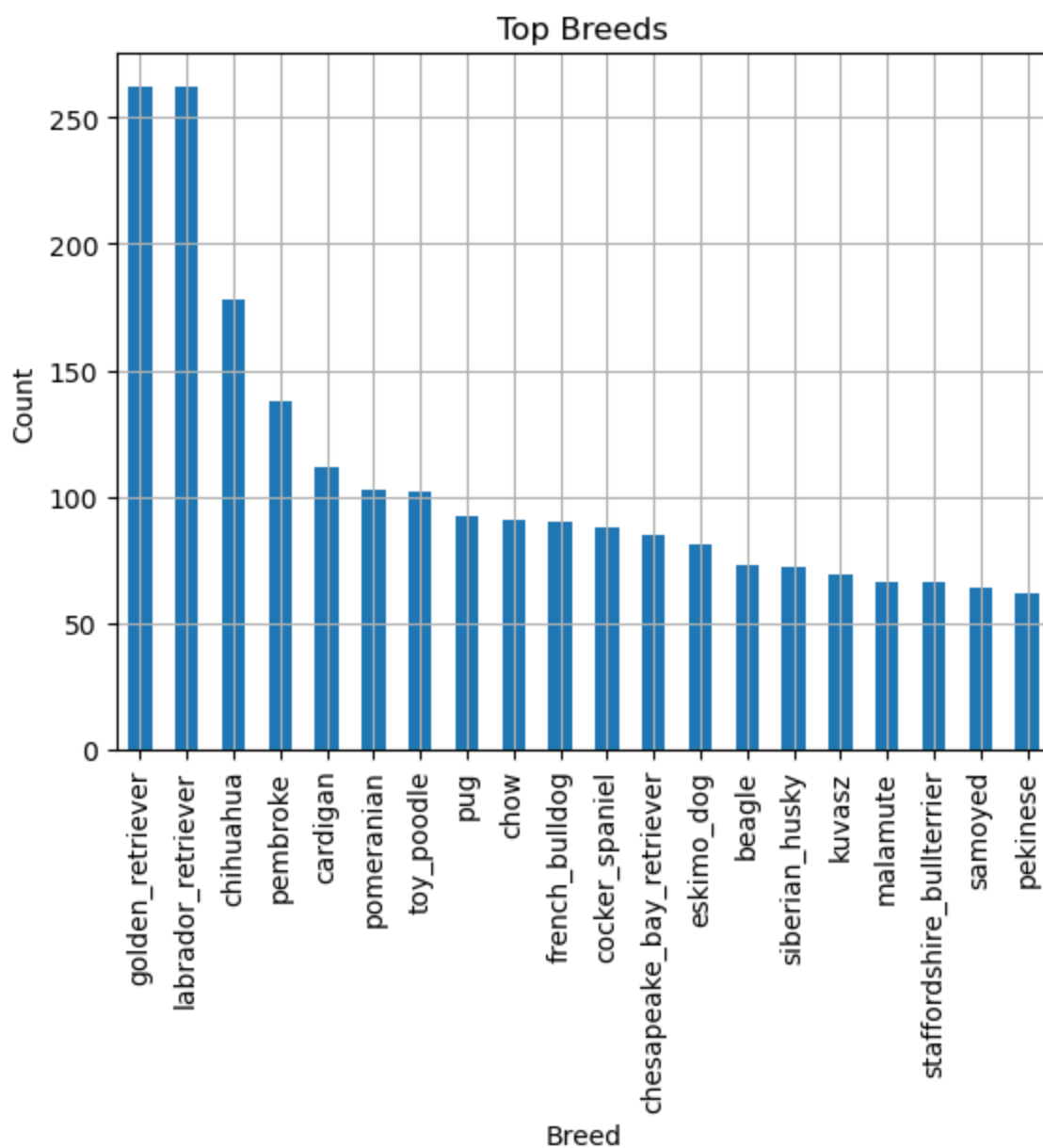
The visualizations presented above suggest a noticeable correlation between retweets and favorites, which is logical. A greater number of retweets typically corresponds to a larger audience exposure, consequently resulting in a higher likelihood of users favoriting a tweet. Similarly, the reverse holds true: when a tweet garners more favorites, it signifies a heightened visibility, thus prompting increased retweets.

Correlation between Retweet and Rating



As observed in the above visualization, a distinct correlation becomes evident between Retweets and Ratings. A higher number of retweets typically corresponds to a higher rating, as one would logically anticipate.

Top Breeds



The image classifier has identified the golden retriever as the foremost breed by a significant margin, and it is trailed by the Labrador retriever. On the other hand, the pekinese is the least identified breed, followed by the samoyed.

Conclusion:

Mastering the art of programmatic data wrangling is a highly beneficial skill for every data analyst to acquire. Employing Python and pandas streamlines the data handling process significantly, given their heightened capabilities compared to spreadsheets. This is particularly pronounced when conducting tasks like data visualization and examining data to uncover correlations or relationships between records.