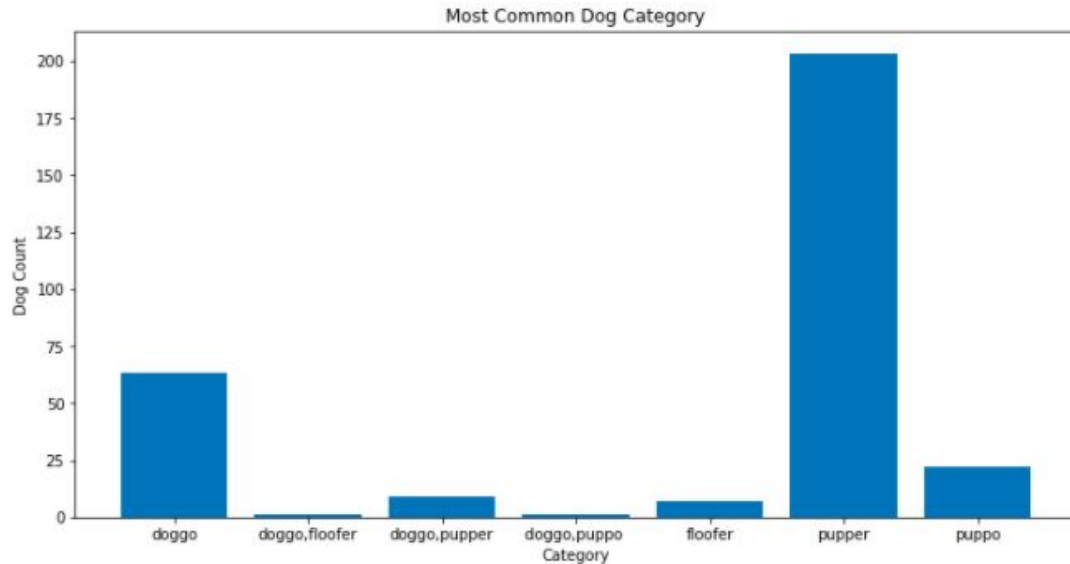# Insights into WeRateDogs twitter page

## Introduction:

WeRateDogs is a twitter account that kindly rates pictures and videos of dogs. Real-world data rarely comes clean. Using Python and its libraries, you will gather data from a variety of sources and in a variety of formats, assess its quality and tidiness, then clean it. This is called data wrangling.In this data wrangling project, I have gathered data from three sources namely:

1. Through importing data via csv- This contains  tweet data extracted from 2356 of the  5000+ of their tweets. This file was manually downloaded.
2. Using requests library to download the image predictions file.
3. Data through the twitter api.

Following the data wrangling process,  some exploration and analysis of the now clean and tidy data, was carried out and results were observed for the same.The project emphasized the need to gather data into a single place from various sources, inspecting the data to find out the various quality and tidiness issues and ultimately cleaning the data to give us final results.
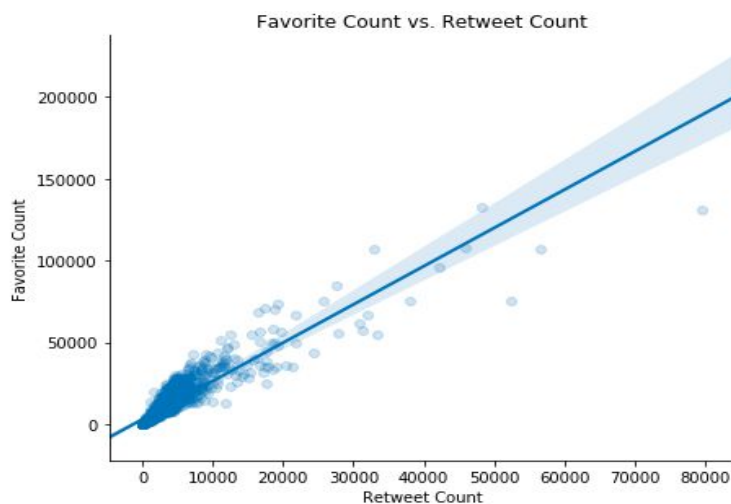
The following visualizations were predicted:

1.The most common dog category- The dog category was divided into pupper,doggo,puppo,floofer,doggo floofer, doggo pupper and doggo puppo. The count for each of these categories were found out and then a histogram was plotted for the same.

From the above histogram it is clear that the pupper is the most favorite dog category followed by the doggo and the puppo. The ones having multiple dog categories are few in number.

2.Favorite count vs retweet count - The two columns were taken from the final master dataset to find correlation and to find the most favourite tweets.Scatter plot was used to give us a clear cut relation between the two and give us a more detailed visualization.

In the above plot we can say that the tweets being retweed most are the favourite . there is a positive correlation between favourite and retweet count.

3. Most popular dog breed- It is clear that golden retriever is the most popular followed by labrador.



Most Rated Dog Breed