

## ACT REPORTS

This report contains explicit information about the data analysis and data visualization processes carried out while working on this project.

The data that was wrangled for this project is a tweet archive of Twitter user @dog\_rates also knowns as WeRateDogs. WeRateDogs is a Twitter account that shares dog images and writes a brief panegyric about the dog, then they let their followers rate it by favoriting it. By asking WeRateDogs to share with us some of their tweets, they did. They have shared 5000+ of their tweets which contain some basic data. Sometimes in their brief panegyric, they mention the breed of the dog, and some others they don't. But thanks to Udacity, they have performed some neural network procedures to classify the dogs based on their images which are shared with the tweets.

The analysis and visualization processes were conducted on the Udacity workspace. These processes were carried out in 3 stages

1. Storing data
2. Data analysis
3. Data visualization

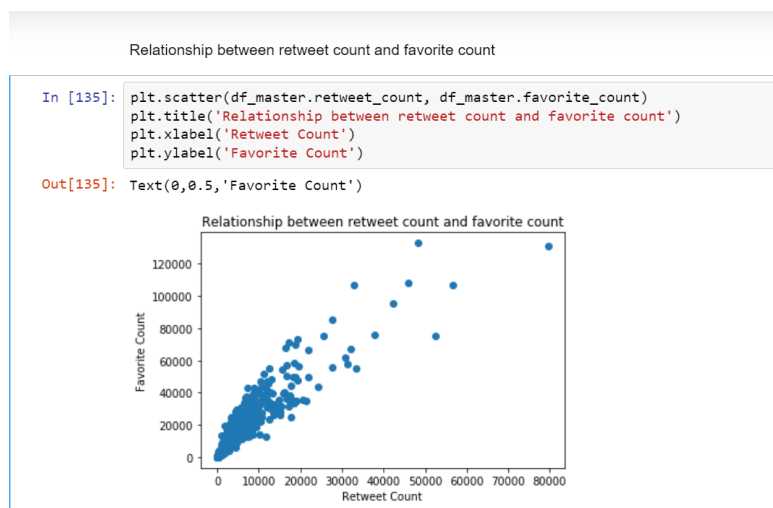
### STORING DATA

The data that was gathered, assessed, and cleaned was saved in a CSV file named **twitter\_archive\_master.csv**

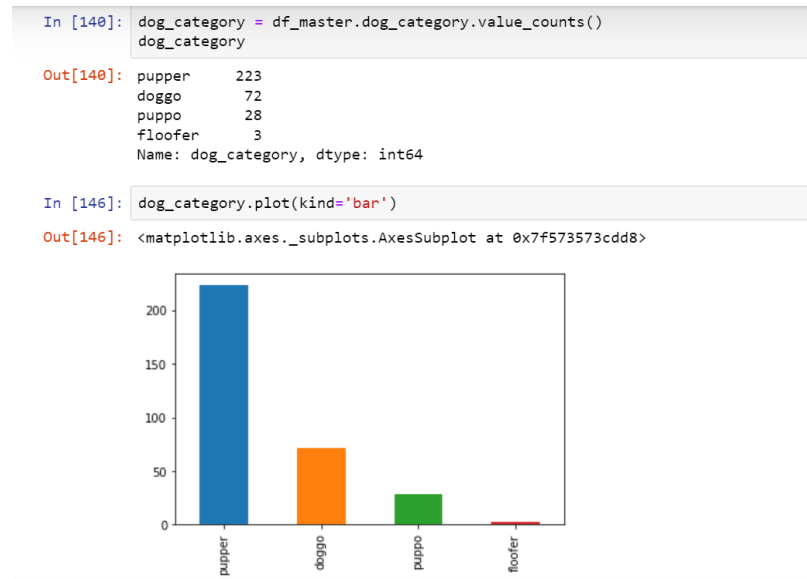
### DATA ANALYSIS AND VISUALIZATIONS

The cleaned data were analyzed and visualized and the some of the insights generated from the data include:

1. A linear relationship was identified between retweet count and favorite count



2. In Dog categories, pupper has the highest number while floofer has the lowest value counts



3. Charlie, Oliver, Cooper and lucy are the most popular dog names in the data

