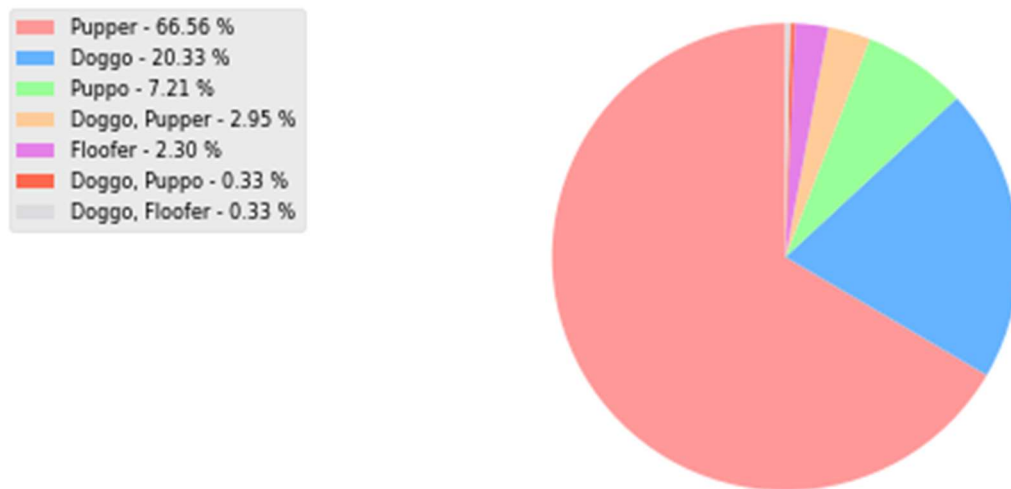# Wrangle and Analyze Data

Actions Report

Introduction:

This report is on the Analysis & Visualization of [WeRateDogs](#). The dataset wrangled, analyzed & visualized is the tweet archive of Twitter account [@dog_rates](#).


The following Questions were answered during the analysis, and visualizations where made:

## What is the most common dog type?

From the above pie chart, it is clear that, *Pupper* is the most common dog type throughout the dataset with 66.34%. *Floofer* is the least common dog type with only 2.3%. The information about other dog types available can be clearly seen in the pie chart.

## What is the most common dog rating?
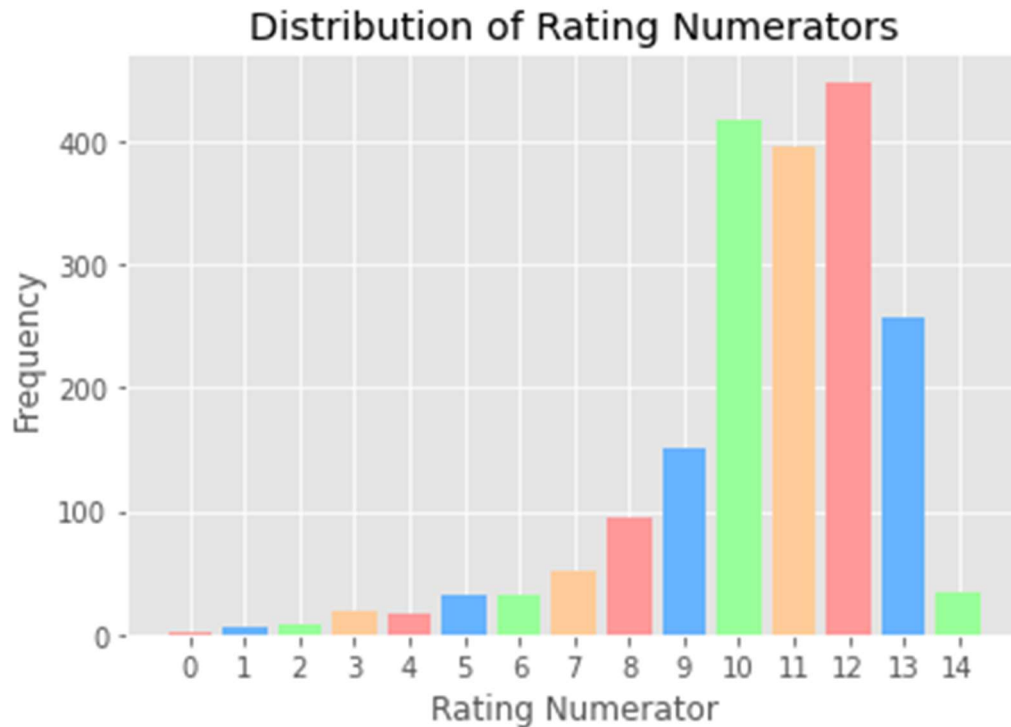
Most ratings in this chart are integers that are 14 and below. Also, the ratings above 20 are usually are given to images containing more than one dog. Hence, 14 is the maximum rating considered in this plot. Most of the images of dogs were given a rating between 10-13.

What is the relation between favorites & retweets?
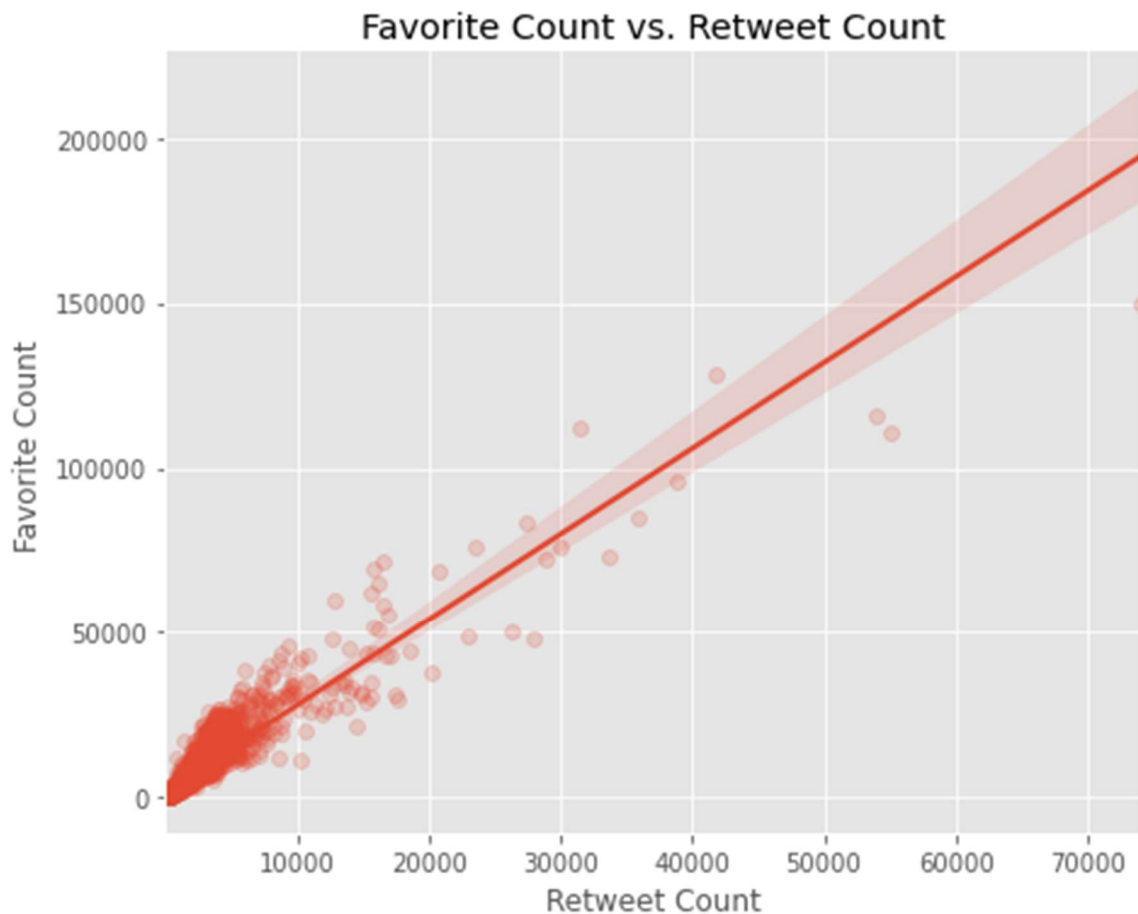
The Scatter Plot illustrates that there is a **string positive correlation** between *favorites and retweets* count. So, the increase in retweets can lead to increase in favorites(likes).

Which are the most popular dog names?

Most Common Dog Names
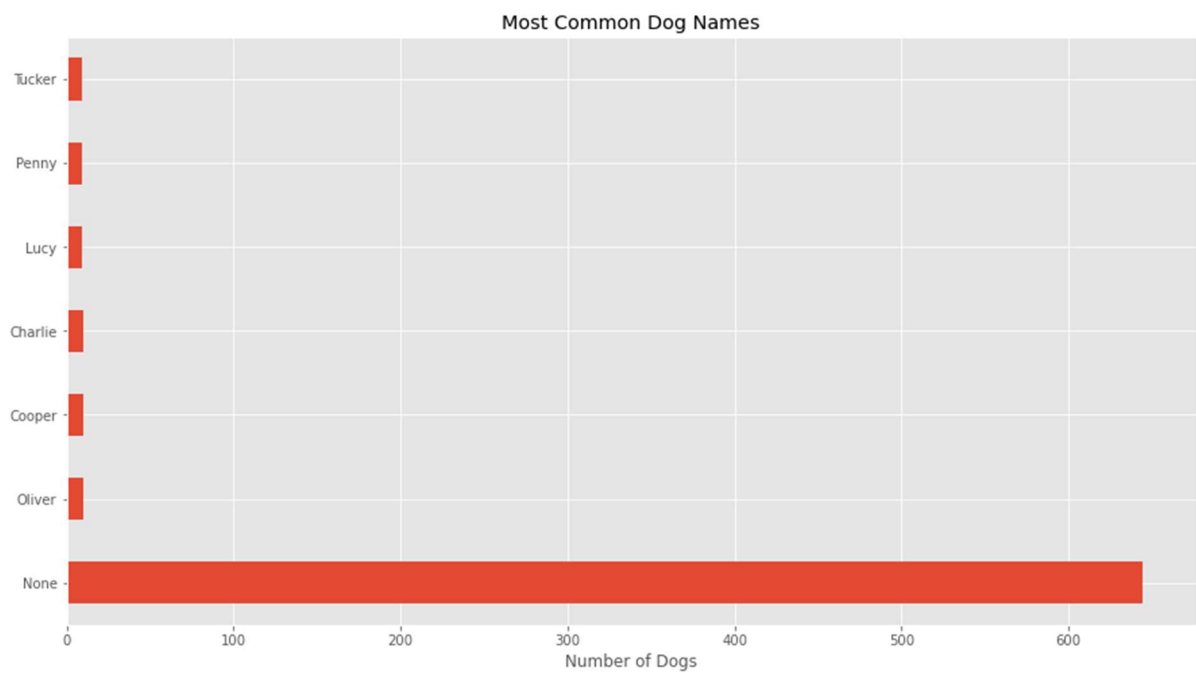
It can be observed that *Oliver, Cooper & Charlie* are few of the most popular dog names from the dataset with a count of 10 dogs. (df.name.value_counts())

The *None* dogs as seen in the above graph are the other dogs which were not identified or did not have a name for the dog.