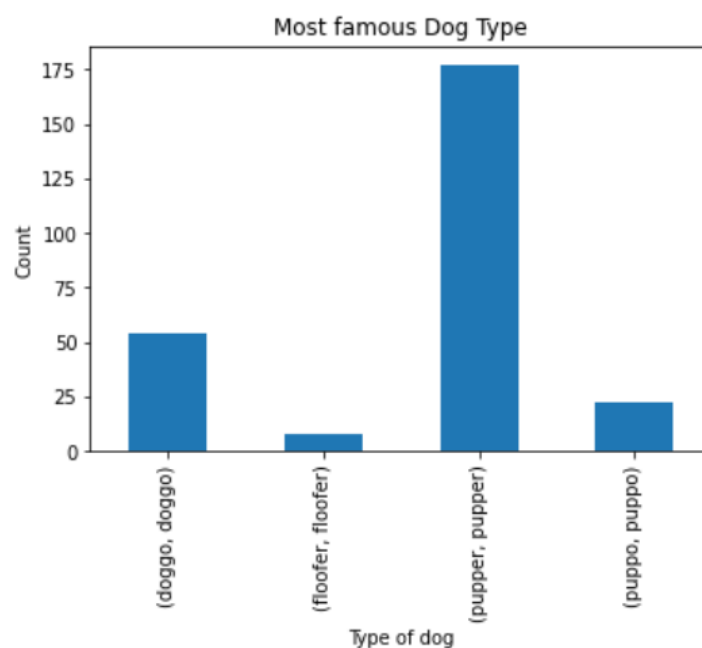**Name: Amr Elbana**

Communicating the data

a) Introduction

In the first report, I discussed the process of wrangling. Wrangling is an important step for any Real-world data which rarely comes clean. The tweet archive of Twitter user @dog rates, better known as WeRateDogs, is the dataset you'll be wrangling (and analyzing and visualizing). WeRateDogs is a Twitter account that gives individuals ratings for their pets along with a funny comment about the dog. This project focuses on the gathering, analyzing, and cleansing of data during the data wrangling process. There are also visualizations and observations from the analysis.

So what does this rating do? Which dog type (breed) is the most common dog in the tweet dataset? What dog type has the highest average rating? What is the most favorable dog name?
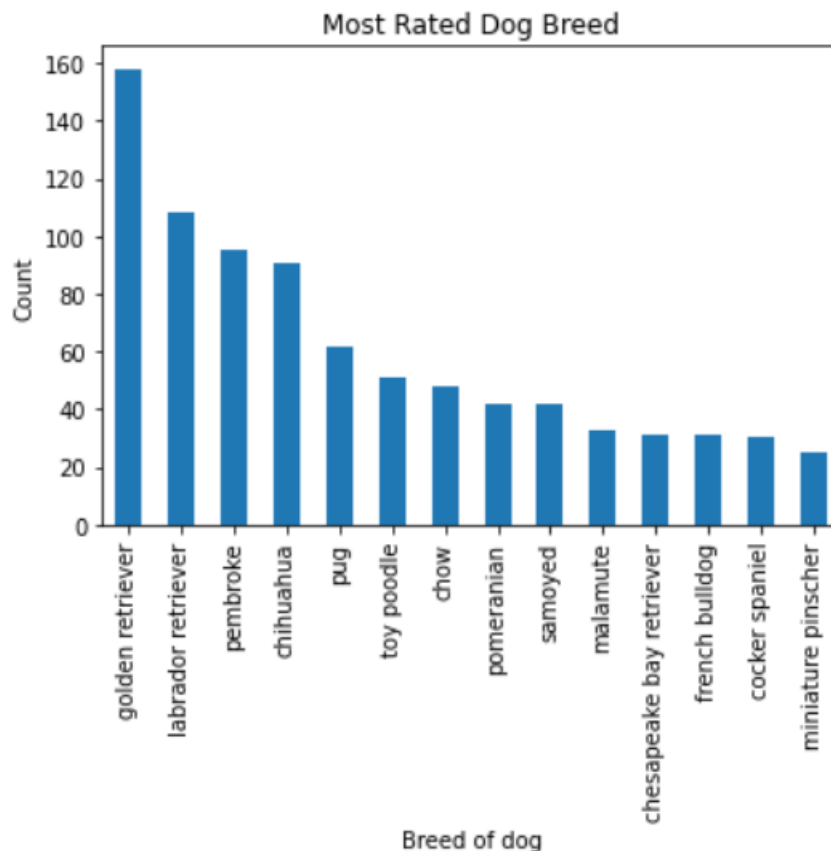
b) Visualizations and analyzing

1) Visualizing which is the most favorable dog type:

Dog types are broad categories of domestic dogs based on form, function, style of work, lineage, or appearance. Some may be locally adapted dog types (or landraces) that may have the visual characteristics of a modern purebred dog

According to the visualization, it's obvious that the Pupper dog type is the most favorable dog type.

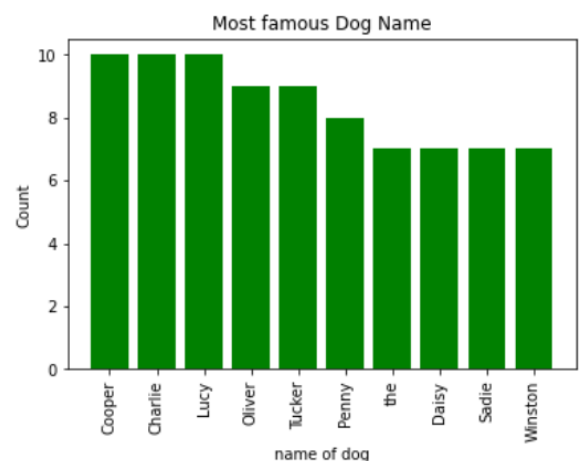## 2) Visualizing the most favorable dog breed

Most Rated Dog Breed

Dog breeding is the practice of mating selected dogs with the intention of maintaining or producing specific qualities and characteristics. modern dog breeds strictly adhere to long-established breed standards that began with documented foundation breeding stock sharing a common set of inheritable characteristics developed by long-established, reputable kennel clubs that recognize the dog as a purebred.
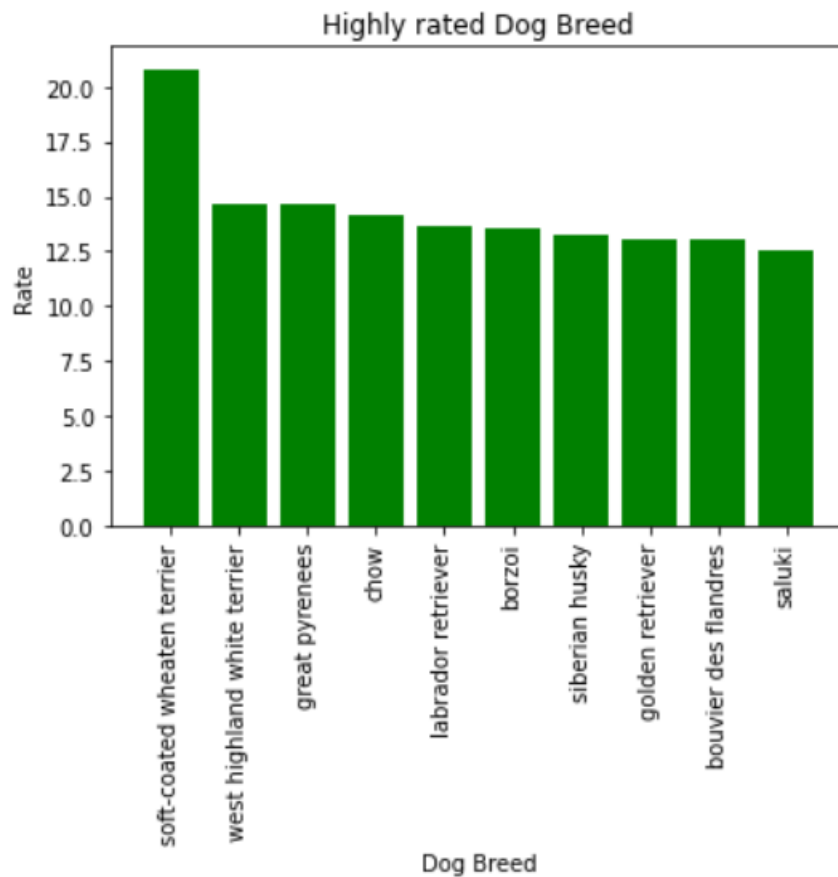
According to the visualization, Golden retriever is the most favorable

3) Visualizing the most favorable dog breed

Most famous Dog Name

The most used dog name is Lucy, Charlie and cooper.

4) Visualizing the most favorable dog breed

Highly rated Dog Breed

From this visulaization, we found that soft-coated wheather terrier is the most highly rated dog breed, the difference between this one and the previous visualization of the breed is that this none take the mean of all rating for the dog breed not just the number of ratings.

c) Summary

Communicating the insgiths gained from the wrangling process is important to be discussed witht e team to discuss if any further investigation was should be done or the data may go to the next step.