# Introduction

The dataset used in this project is the tweet archive of Twitter user @dog_rates, also known as WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. This report will briefly discuss the visualization and insights that can be made from this dataset after cleaning.

What is the most popular dog stage?

So, it is evident from the bar chart, popularity in terms of dog stage follows following order
1. Pupper
2. Doggo
3. Puppo
4. Floofer

Visualization #1: Most popular dog stage
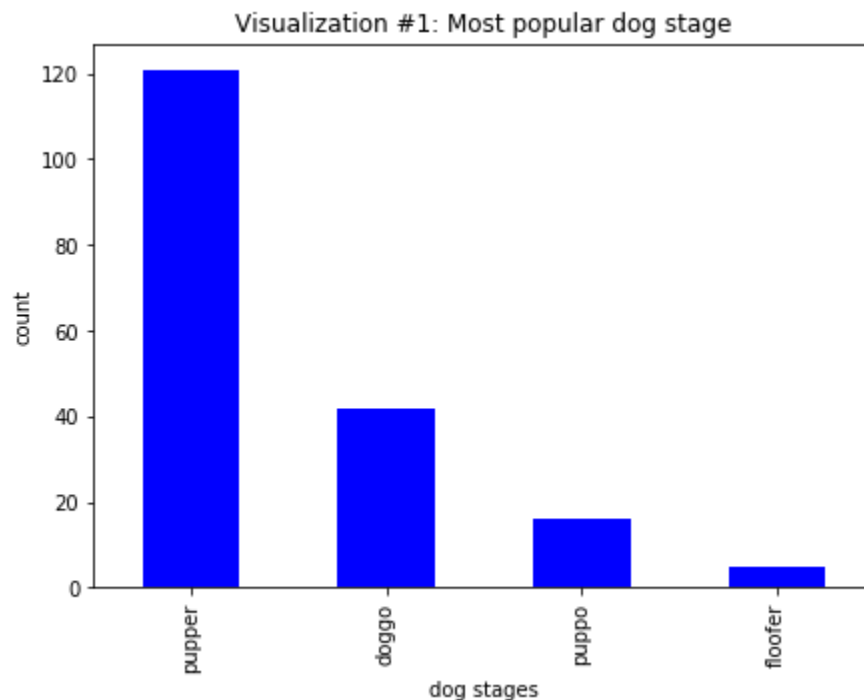
Who has the highest favorite and retweet counts?

The most favorite dog is *Jamesy* at stage *pupper* having 106827 total favorite counts. On the other hand, most retweet goes to the *doggo* dog stage having retweets 42228.

## Who got the highest rating in each year?

In the year 2015, **Zuzu** was the highest-rated dog. In 2016, **Zoe** was the highest-rated dog, while in 2017, **Yogi** got the highest ratings among all dogs.

Most common dog breeds (top 5)

Following are the top five dog breeds as per image predictions.
- Golden_retriever
- Labrador_retriever
- Pembroke
- Chihuahua
- Pug

We can also make the bar chart for the same data to analyze it graphically.
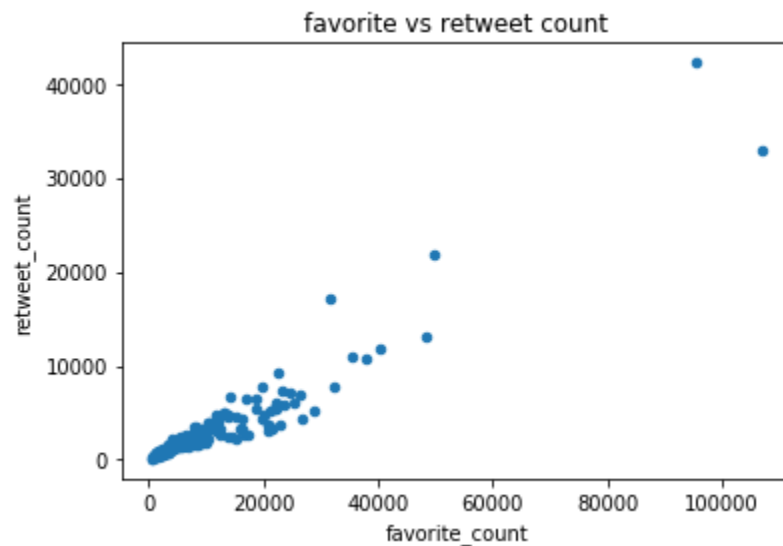

Visualization #2: Top 5 dog breeds
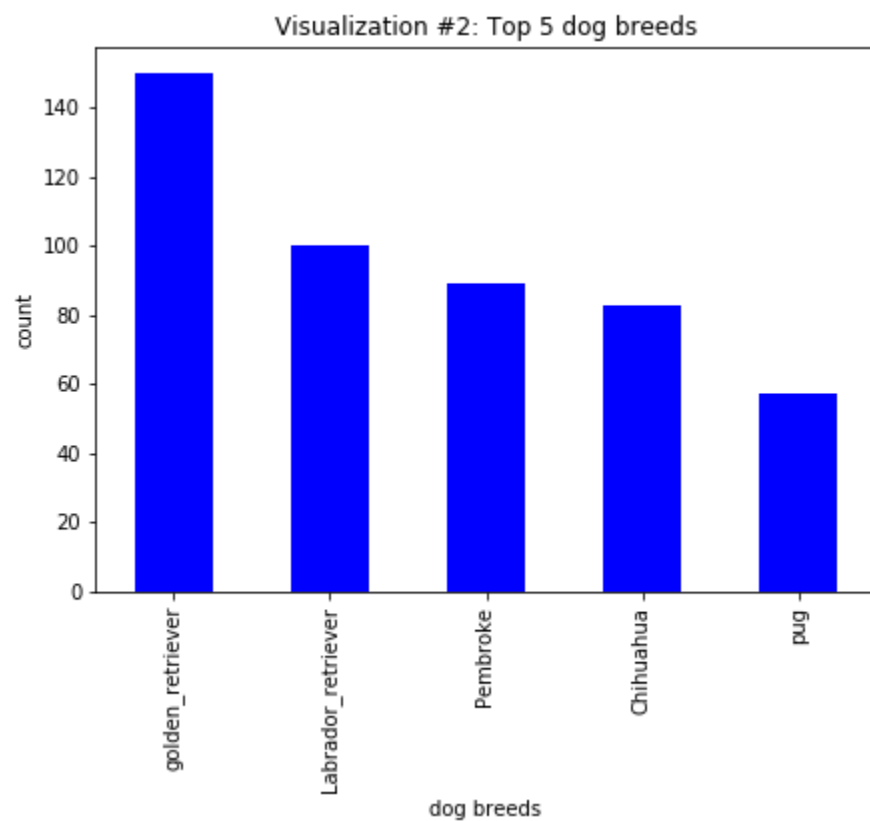
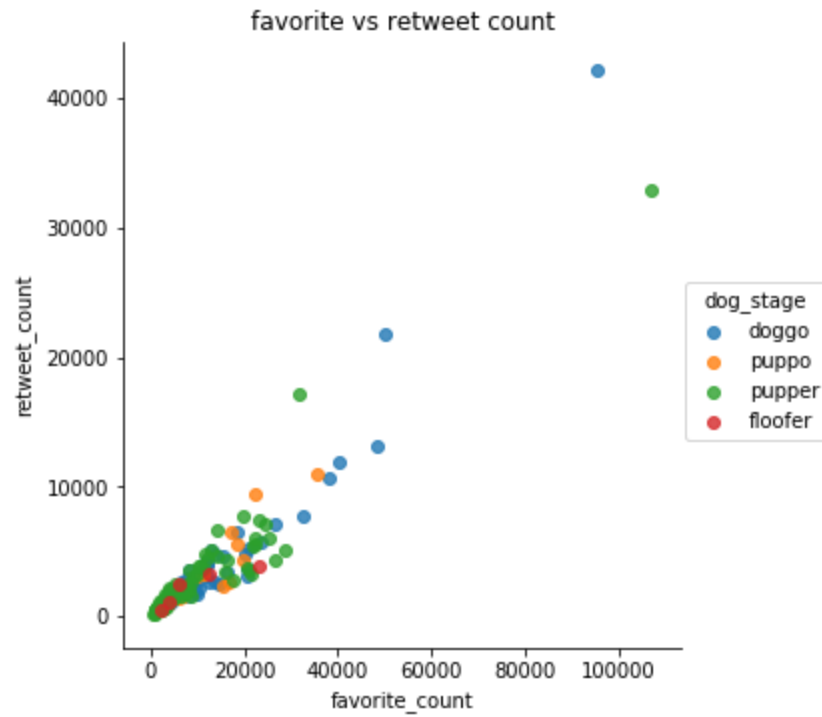# Relationship between favorite count and retweet count.

Above heatmap suggests, there is a strong positive correlation between favorite count and retweet count.

Let's plot the scatter plot for same.

This suggests favorite dogs are more retweeted, this make sense.

Now let's dig a bit deeper i.e. let's analyze by dog stage.

favorite vs retweet count

we can see, pupper and doggo stages are having high favorite counts, and high retweet counts as well. Stage floofer is mostly related to low favorite and retweet counts.