Analyzing and Visualizing Data
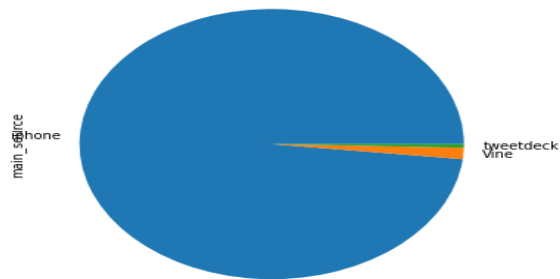
In this section,I analyzed and visualized my wrangled data. Below are the insights drawn from the data:

Insights:

1. Most used Twitter source
2. Dog Rating distribution
3. Retweeting and Favoriting trend over time
4. Top 6 common dog names
5. Most Popular Dog_stage
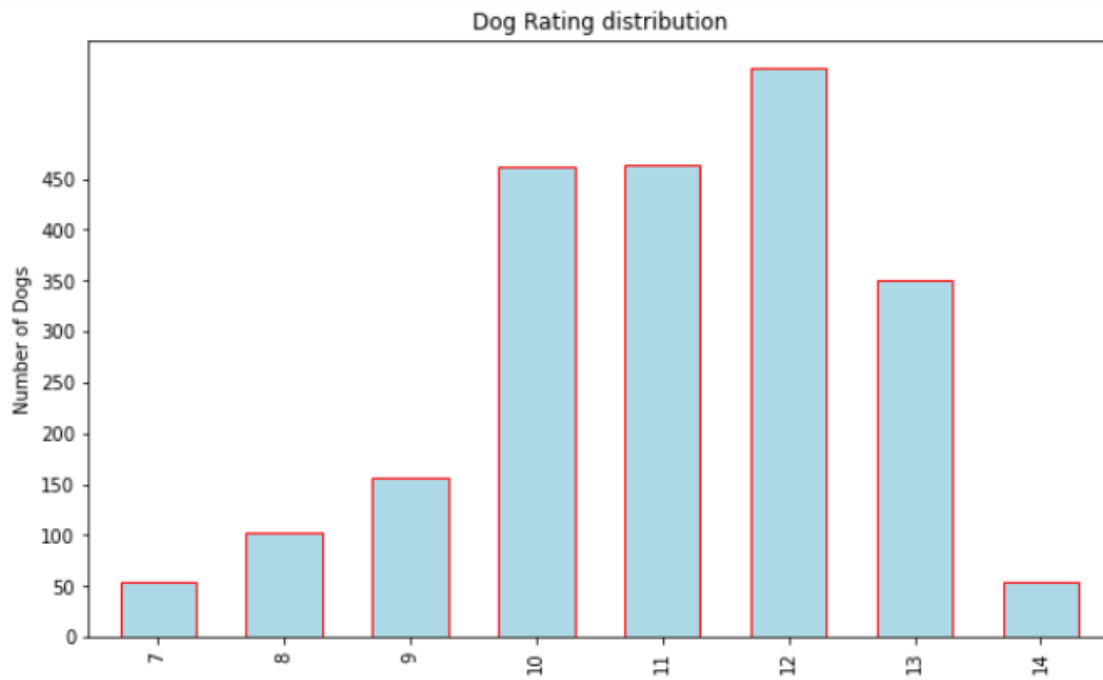6. Dog stage with the higest image post
7. Top 10 common dog_breed_prediction

1. Most used Twitter source

```
: master['main_source'].value_counts()
```
```
: iphone       1383
  Vine           19
  tweetdeck       6
  Name: main_source, dtype: int64
```
```
: master['main_source'].value_counts().plot(kind='pie',figsize = (10,6));
```
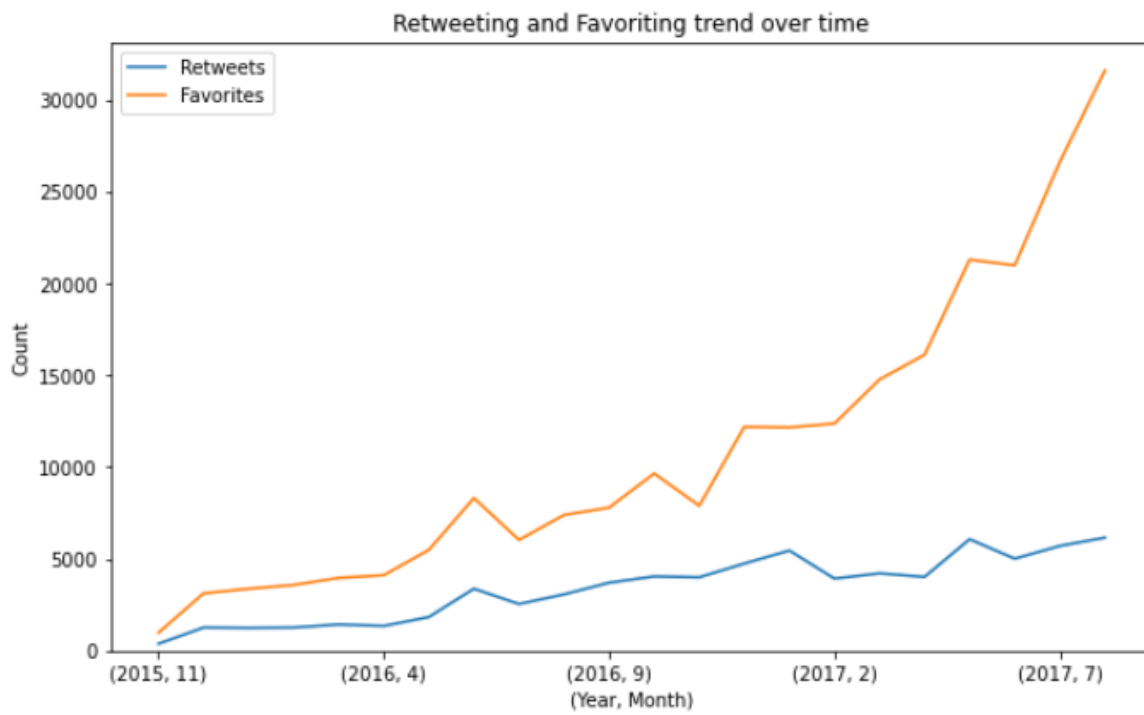

WeRateDogs has posted 98% of the tweets from **iPhone.**
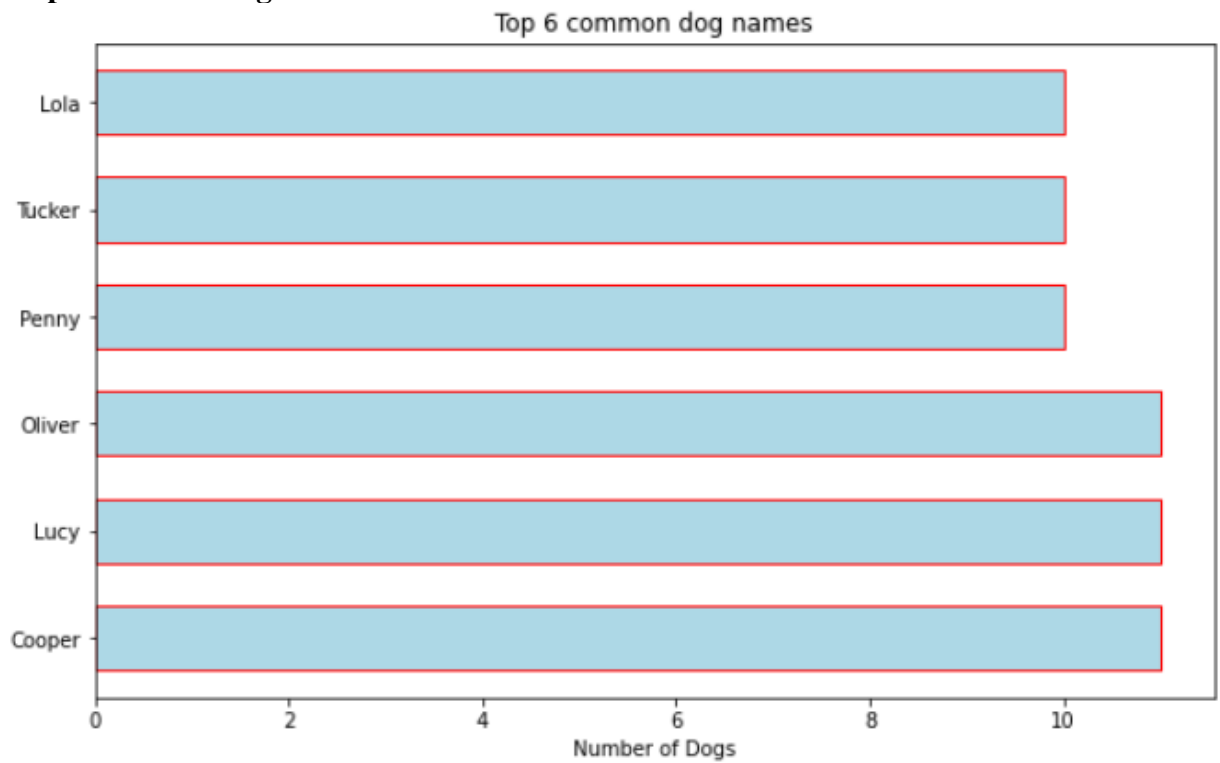
2. Dog Rating distribution

Dog Rating distribution

The most common rating_numerator falls between 10-13

3. Retweeting and Favoriting trend over time

Retweeting and Favoriting trend over time

Its observed at the begining(2015) that retweet aand favorite was increasing at the same rate but as at (Aug.,2017) the favorite trends increases exponentiatly as compare to the retweet
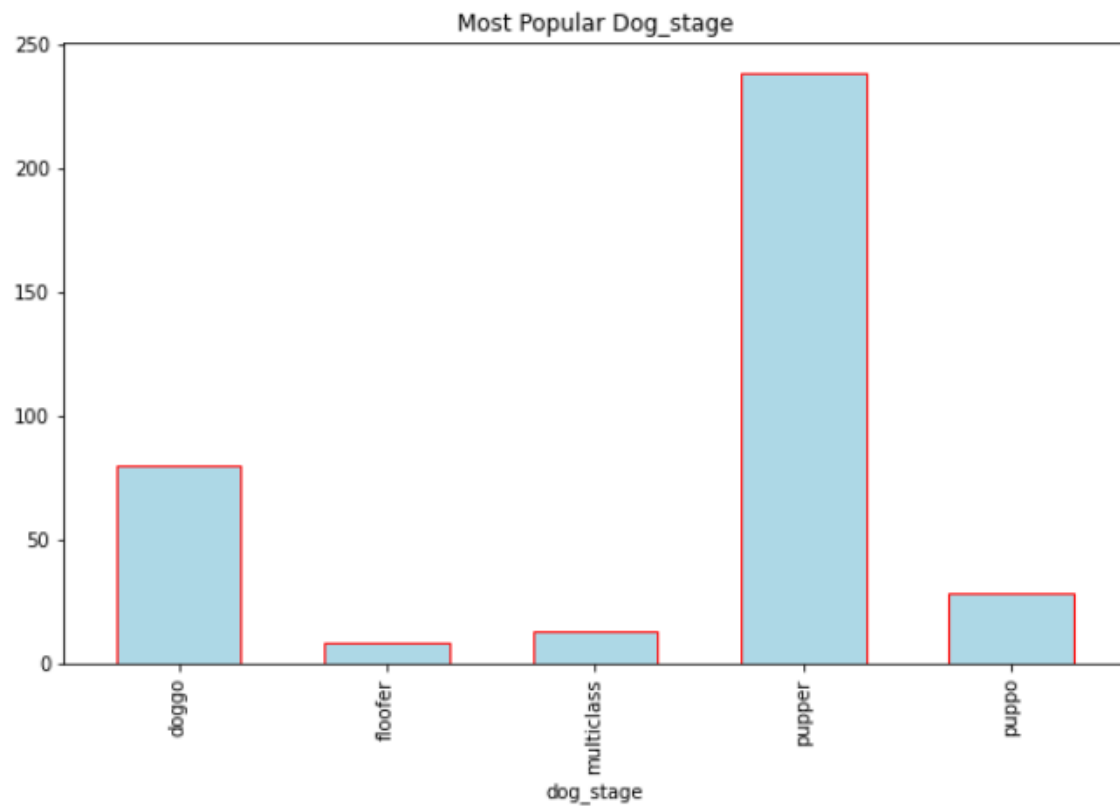
4. Top 6 common dog names

Top 6 common dog names

Shown above indicate :

- Cooper
- Lucy
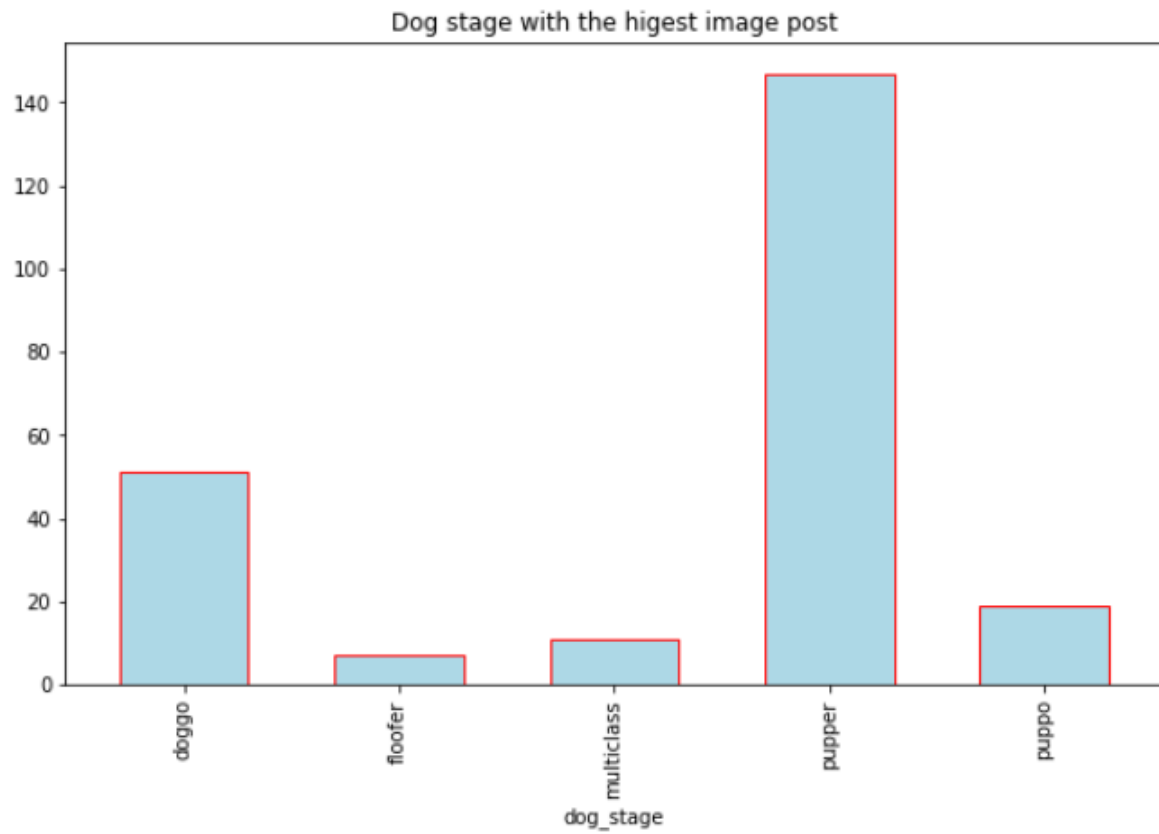- Oliver
- penny
- Tucker
- Lola

were names people give their Dogs

5. Most Popular Dog_stage

Its observed that **PUPPER** is the most popular dog stage

6. Dog stage with the higest image post

Dog stage with the higest image post

Its observed that **PUPPER** image was post the most

7. **Top 10 common dog_breed_prediction**

Top 10 dog_bred_prediction