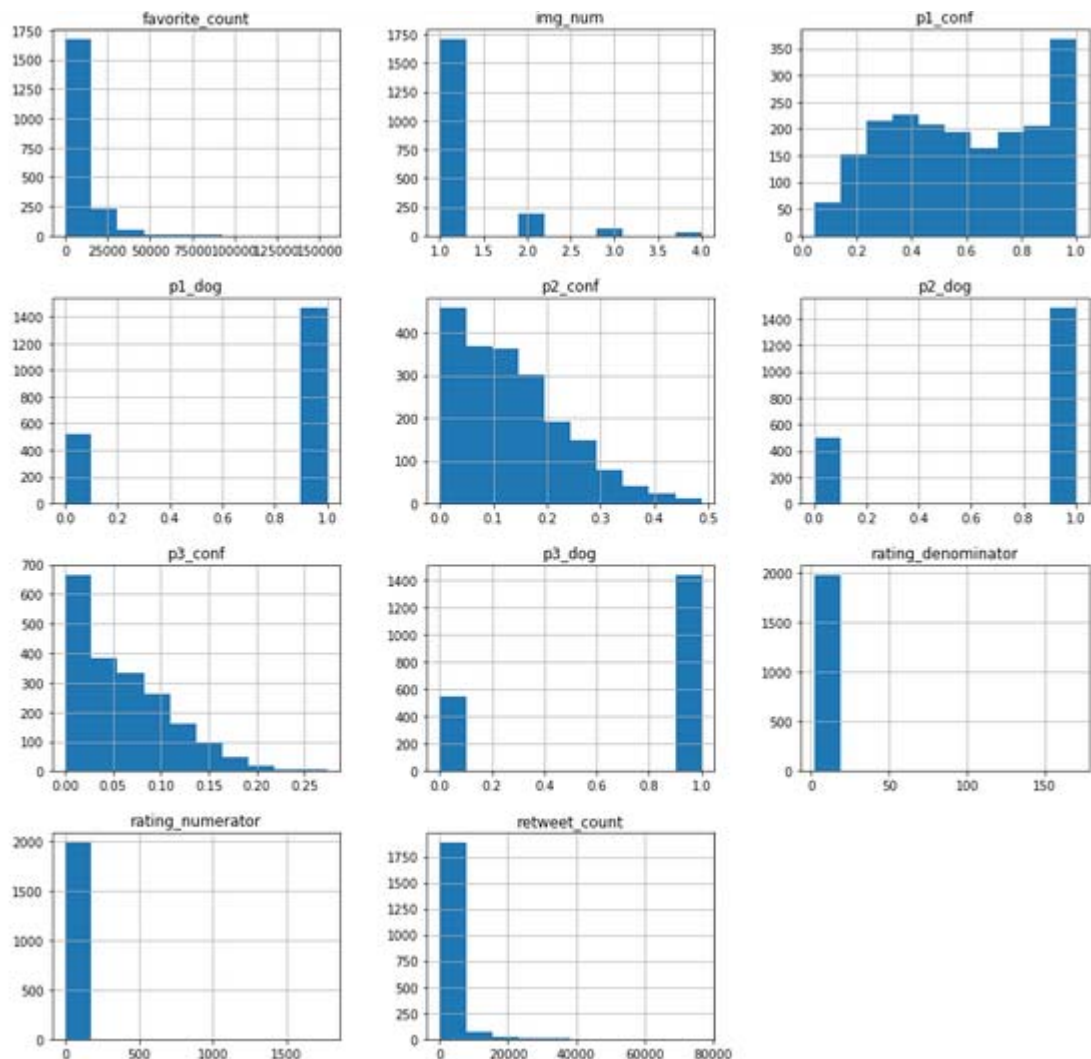


# Data Analysis and Visual Reporting

## Introduction:

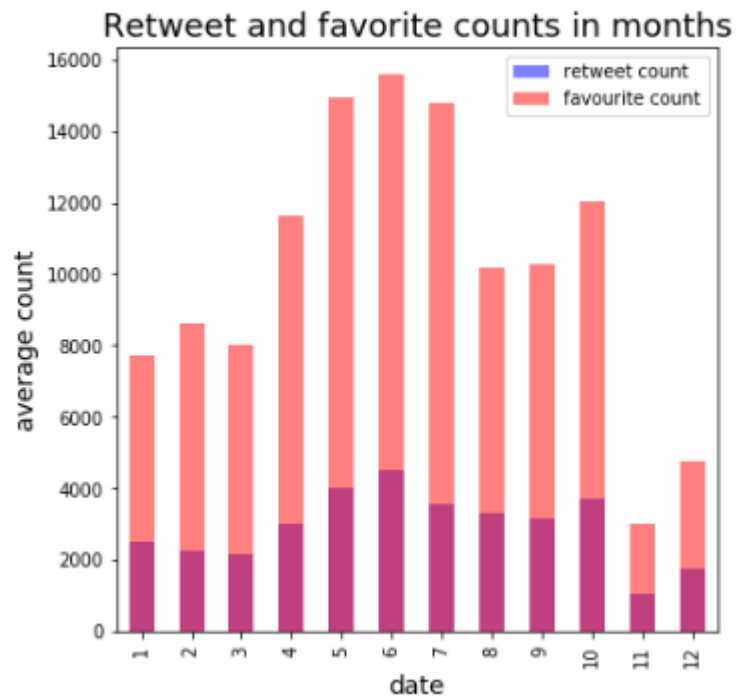
wrangle WeRateDogs Twitter data to create interesting and trustworthy analyses and visualizations. The Twitter archive is great, but it only contains very basic tweet information. Analyze and visualize the cleaned wrangled data to get some insights visualization about the data.

## Show some statistics about DataFrame graphically:



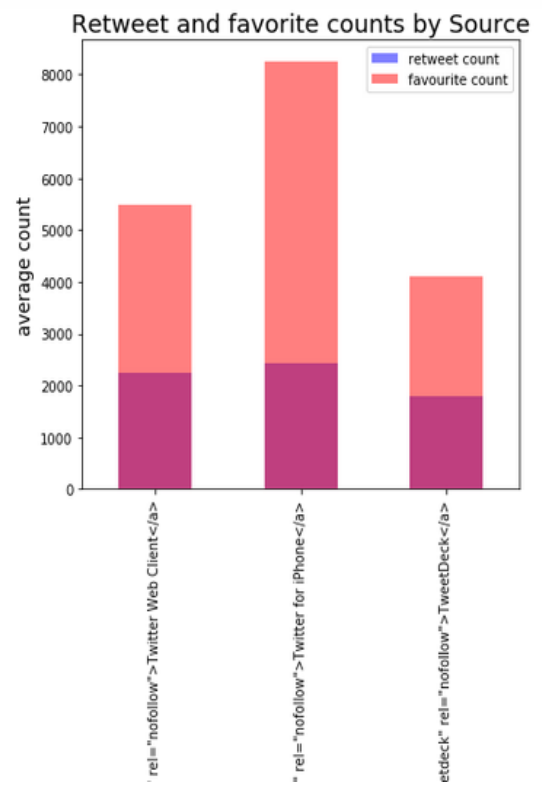
Showing histograms for all the quantitative and boolean values in our data frame

## Retweet and favorite average count in months



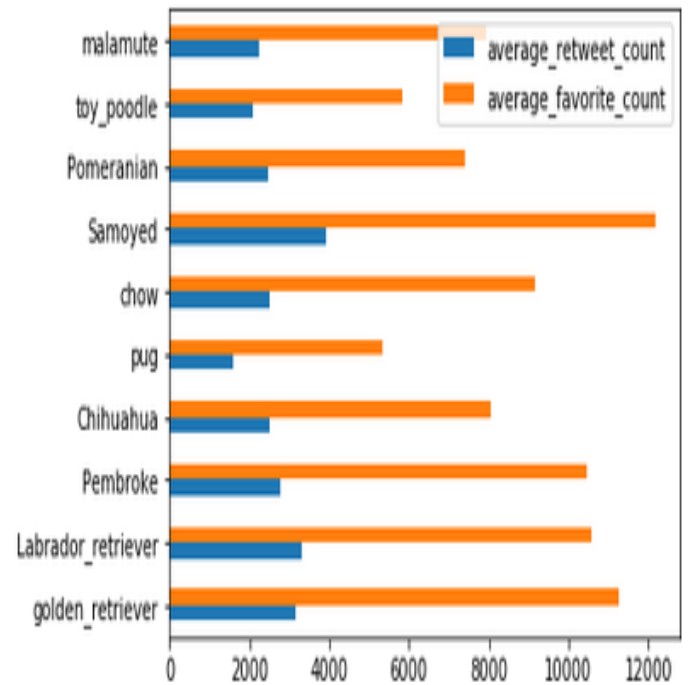
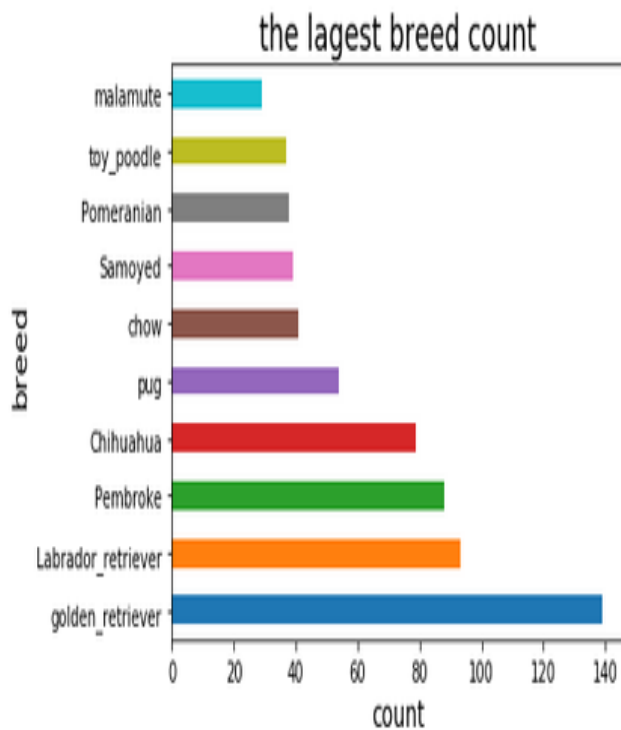
The average count of favorites and Retweets reaches it's most values in June and reached it's less values on November.

## Retweet and favorite average by Source



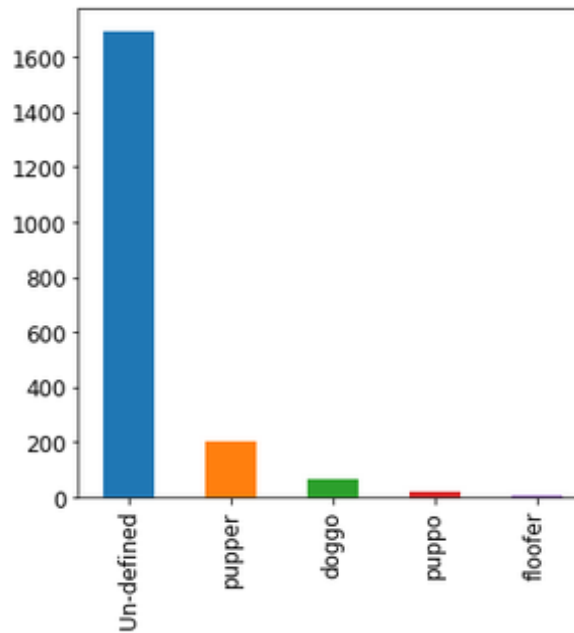
The average count of favorites is very high when the source is Twitter for iPhone than the other sources like Tiwtter Web Client or TweetDeck

**Check the relationship between the breeds and the average retweet and favorite count.**



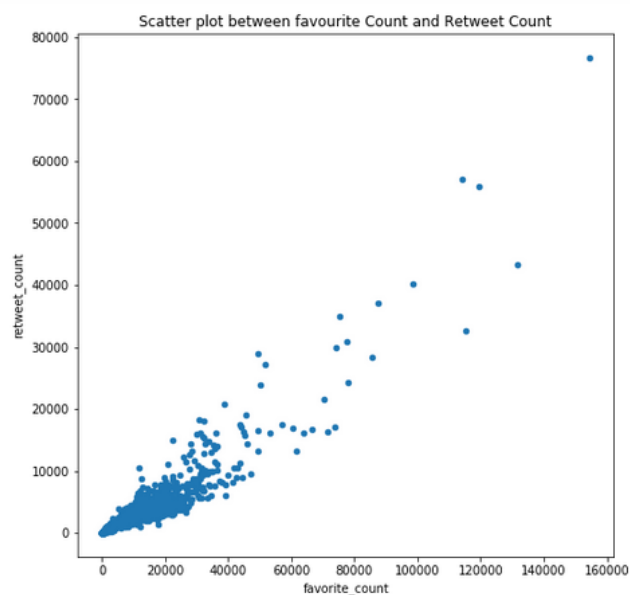
With the given dataset, first we get the most 10 breeds in our dataset then we checked their average retweet and favorite count. However, the Golden Retriever breed was the most frequent value in our data set, it is not the biggest average retweet or favorite. The biggest average retweet is 17701 for Arabian camel breed.

### Value counts of the dog stages



The un-defined dog stage is very huge so we will not consider this parameter in our analysis because it needs more investigation.

### Scatter plot between favorite Count and Retweet Count



There is strong positive correlation between Favorite Count and Retweet Count