ANALYSIS AND INSIGHTS
Wrangle and Analyze Data
Udacity Project

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Introduction

The dataset that has been wrangled 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.
Our goal: wrangle WeRateDogs Twitter data to create interesting and trustworthy analyses and visualizations , that included:
- Data wrangling, which consists of:

  - Gathering data

  - Assessing data

  - Cleaning data
- Storing, analyzing, and visualizing your wrangled data.
- Reporting on the data wrangling efforts and data analyses and visualizations.

Gathering Data :

Data was gathered from 3 different sources:
1. **Enhanced Twitter Archive**
2. **Image Predictions File** (The tweet image predictions)
3. **Tweet Json file** (Additional data, including favorite count and retweet count)

Assessing Data :

After gathering had assessed them visually and programmatically for quality and tidiness issues in file wrangle_act.ipynb.

Analysis & Insights:

We have 4 questions to answer in this analysis:

• What do users like to use to express their opinions (Retweet or favorite) based on rating

• What is the most common dog

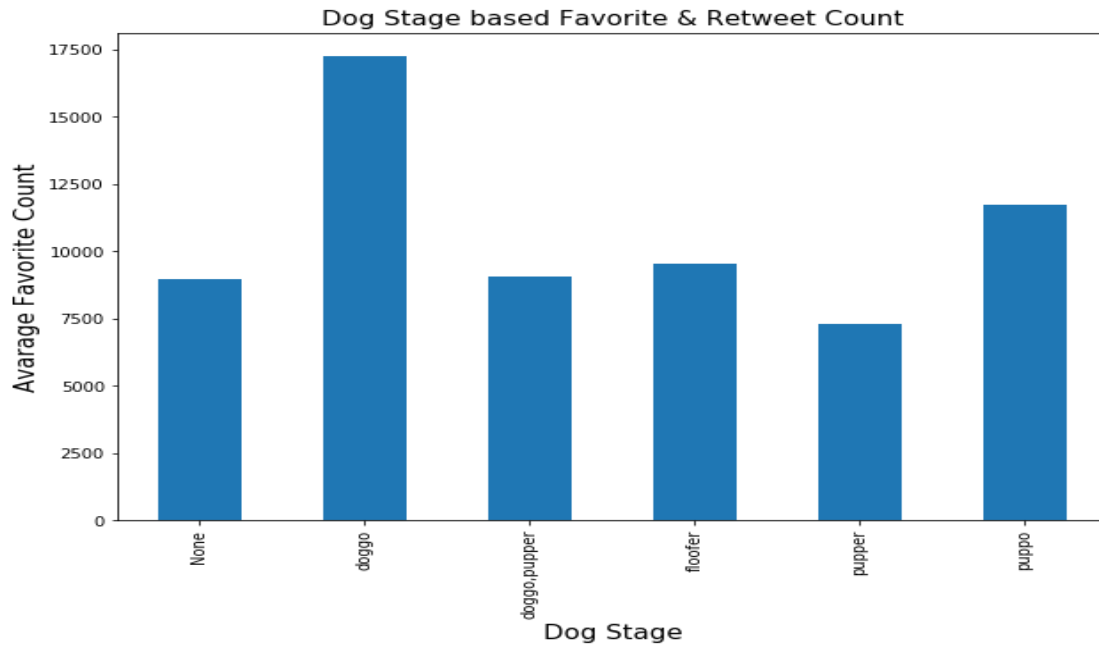• What the Most dog names

• What the most popular source

To answer this, we will use 3 different visualizations.

1- **What do users like to use to express their opinions (Retweet or favorite) based on rating:**
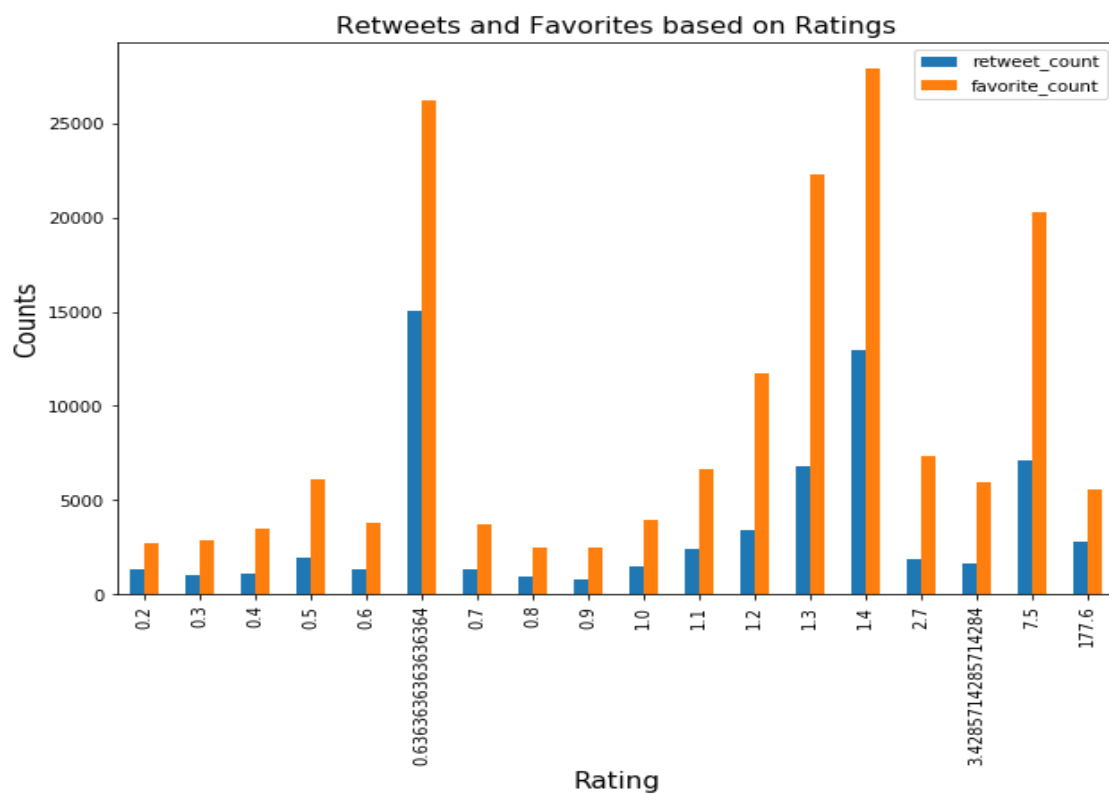

From the plot above we can say that most users prefer to a favorite rather than retweet and, we can say that there is a direct relationship between favorite and retweeting , all favorite tweets are the most retweet.
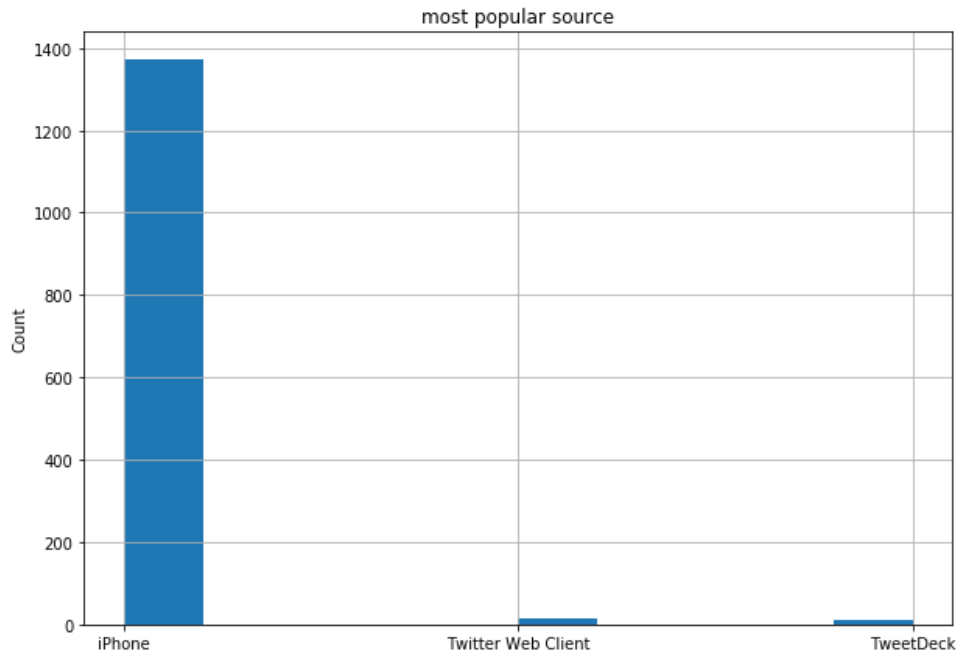
2- What is the most common dog?

Dog Stage based Favorite & Retweet Count

According to the analysis above Doggo is Most favorite stage, followed by Puppo.

3- What the Most dog names ?

The Most dog names
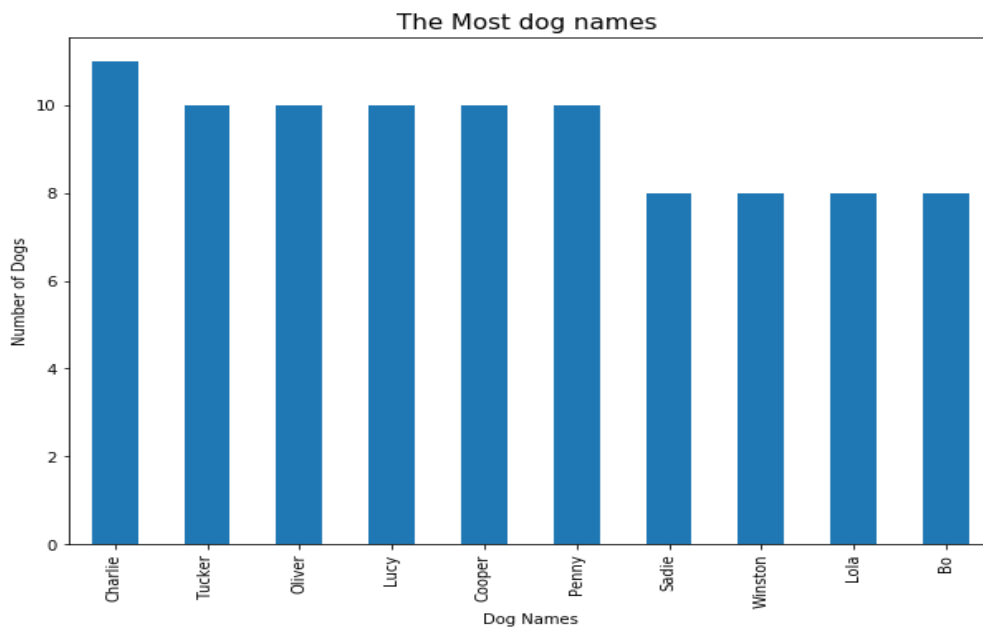
The most popular name is Charlie followed then Lucy ,Tucker ,Penny ,Cooper ,Oliver.

4- What the most popular source ?

We can notice that users prefer to interact using the iPhone, then Twitter Web Client and TweetDeck.