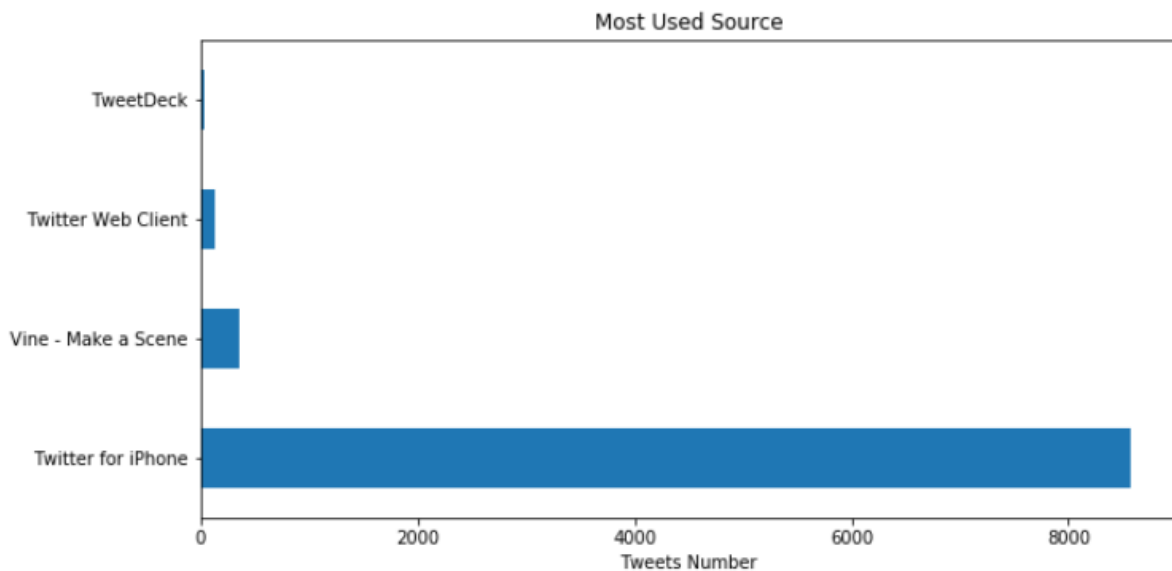


Analysis and Insight Report

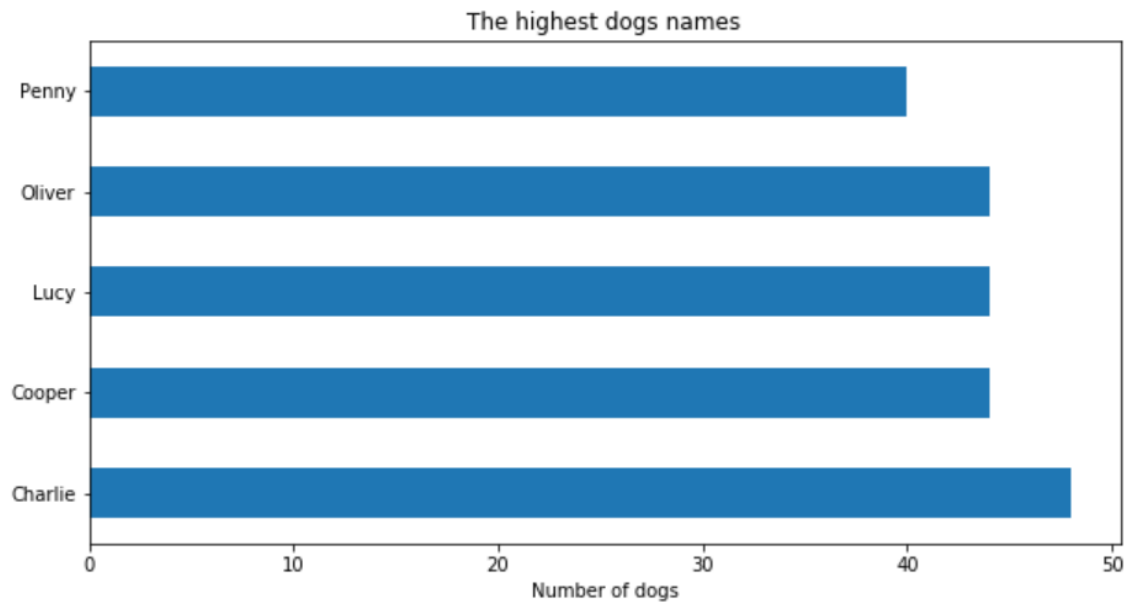
In this project we gathered Real-world data from a variety of sources and in a variety of formats. The first file is the tweet archive of Twitter user @dog_rates, also known as WeRateDogs, an additional data from the Twitter API (JSON file) and finally the image predictions file. The quality and tidiness issues are assessed, then every issue is cleaned using define, code, test process. This is called data wrangling. The wrangling process is documented. This report communicate findings using the analysis and visualizations that we did. After exploring, analyzing the data we found that:

1- Most used source



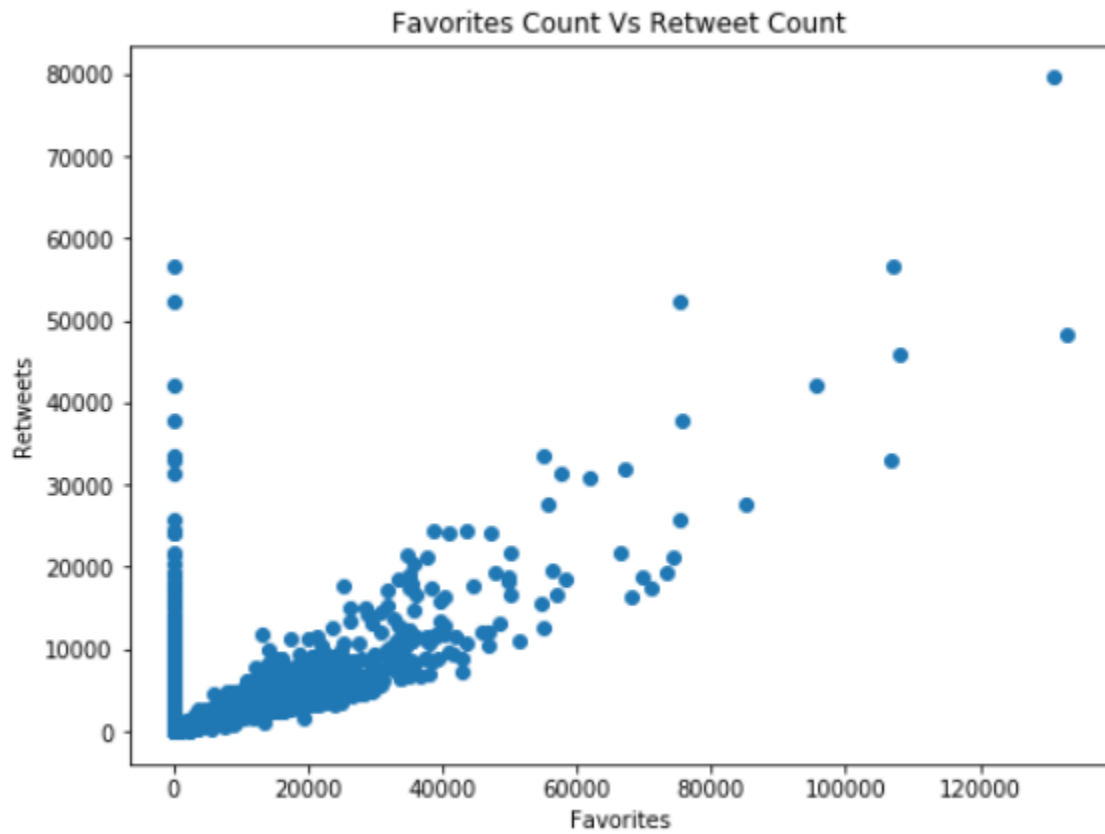
The first visualization is a bar chart from this graph we can clearly see that most people are using their cellphone device to access to their account.

2- Top dog names



The second visualization is a bar graph that helps us understand popular dog names among dog owners through the WeRateDogs tweets. Through this graph we can see that Charlie is by far the most popular dog name at 60 count and Sadie is at number 10 with 40 counts.

3- relationship between retweets count and favorite counts



The third visualization is we can see a strong positive relationship between retweets count and favorite counts.