# Analysis Report

After finishing the wrangling process, I used the clean data to answer the following questions:

1. Where were tweets created from?

Data in the 'source_name' column shows that most of tweets created from "Twitter for iPhone" (2221 tweets), followed by "Vine – Make a scene" (91 tweets), "Twitter Web Client" (33 tweets), and "TweetDeck"(11 tweets)

A number of tweets from each source
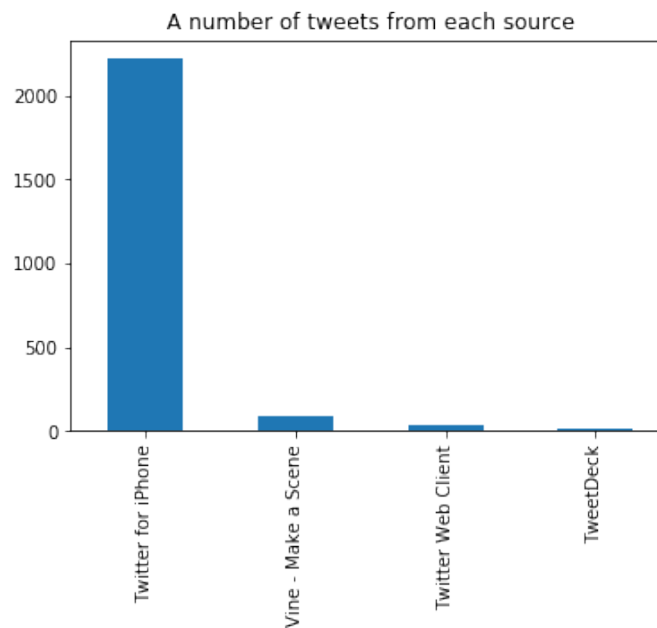
2. How many tweets were created weekly?

The scatter plot below shows that there were a large number of tweets created weekly during November and December 2015. The number of tweets was reduced exponentially during January to July 2016 and a number of tweets was reduced slightly afterward.
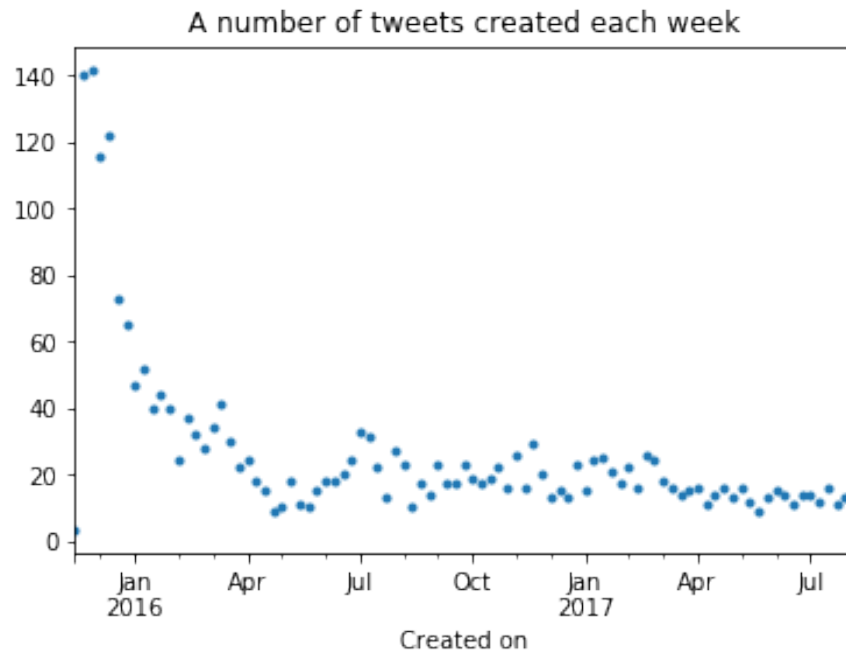
The box plot below shows descriptive statistics of this data and outliers that we saw earlier in the scatter plot above.
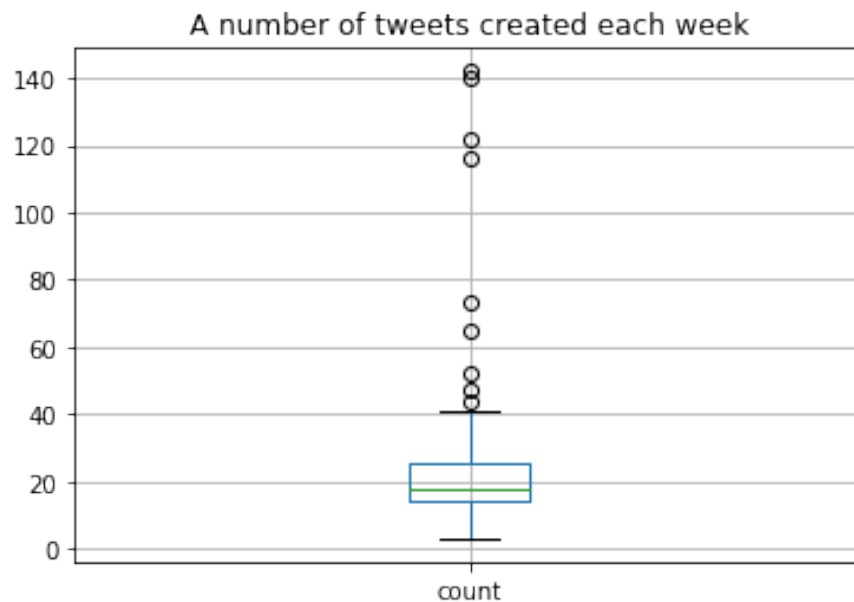
3. Relationship between favorite_count and retweet _count with varous stages of dog

The scatter plot below a relationship between favorite_count and retweet_count. We can see that favorite_count has a strong relationship with retweet_count where a number of favorite_count is linearly increased when a number of retweet_count is increased. In addition to this linear relationship, there is a great number of tweets with various number of retweet_count when a number of favorite_count is 0.

Additionally, the scatter plot uses color coding to show various stages of dog and the plot below does not show any strong evidence that stages of dogs (doggo, floofer, pupper, puppo, and none) have an impact on a relationship between favorite_count and retweet_count. This might be because a number of tweets without any stage of dog mentioned in the tweet is much greater than other categories.