

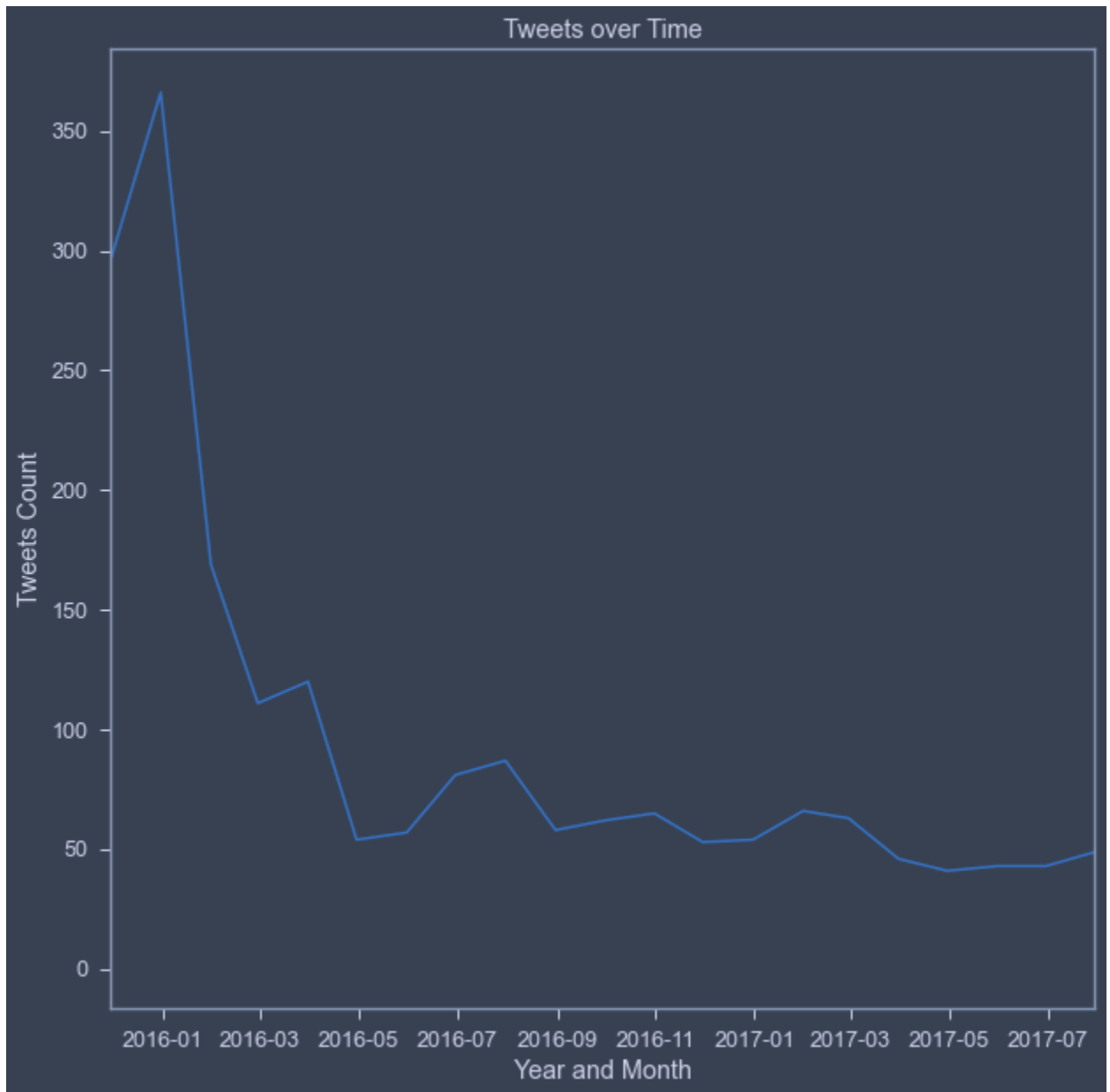
## **EXPLORATION PHASE(ANALYSIS & VISUALIZATIONS)**

From the Data Wrangling done these were the questions I answered while exploring my final cleaned dataset;

1. Can we show a visualization of our Tweets over time?
2. What is the relationship between favorite and retweet counts?
3. What are the most common dog names given by dog owners?
4. What is our retweet rate over time using a time series chart?
5. What is our most common source for tweeting?
6. A word cloud image of our tweets
7. What are the Most common word occurrence in all tweets
8. How many of our dogs do we know their current growth level?

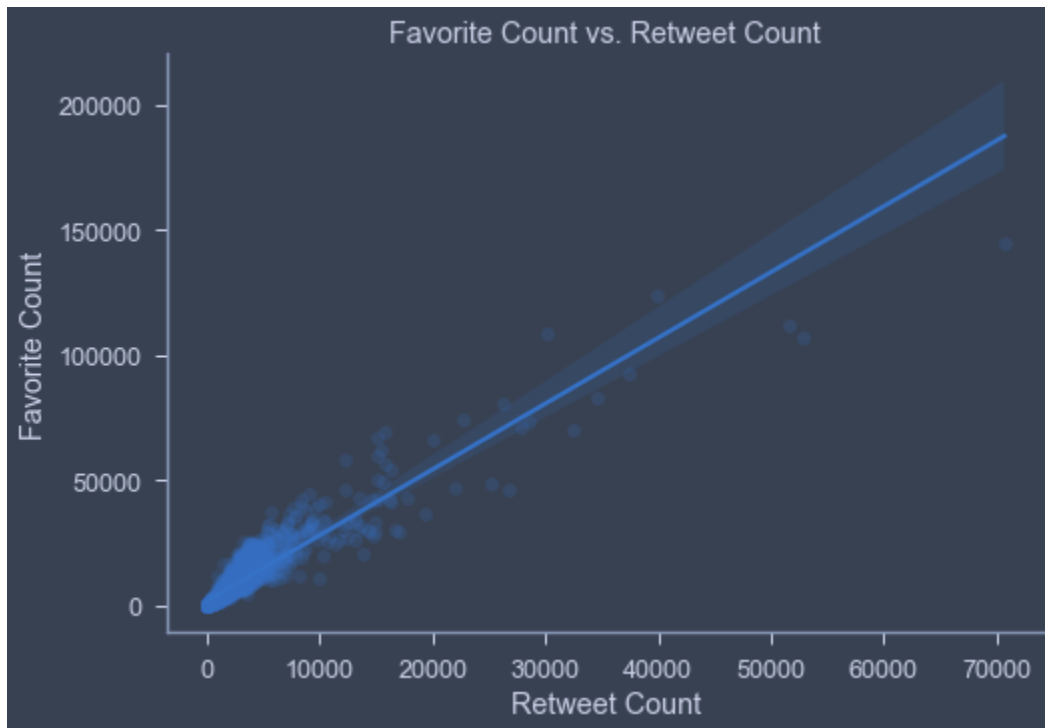
**INSIGHTS:**

## 1. Tweets Over Time ?



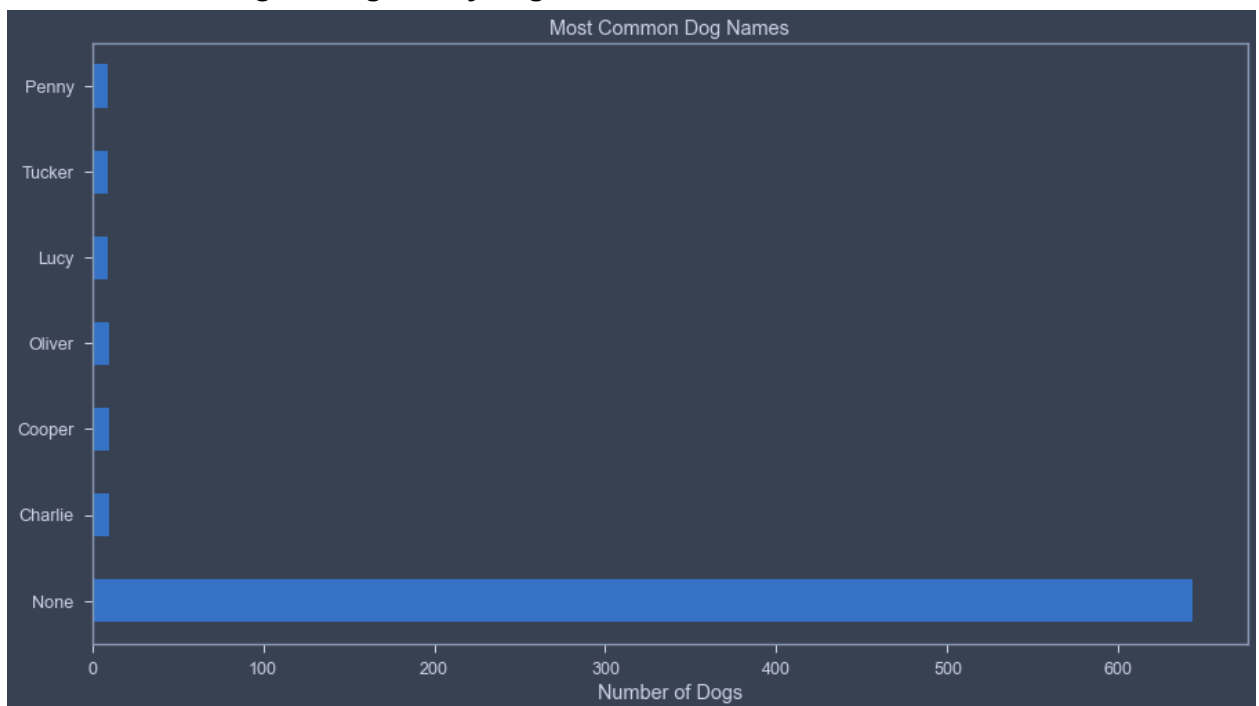
- The chart shows a downtrend in number of We Rate Dogs Tweets, the only high we had was in the early 2016(1st Quarter), new lows were formed as time went by

## 2. Relationship between Favorite and retweet counts ?



There is a positive relationship between these two features

## 3. Most common dog name given by dog owners?

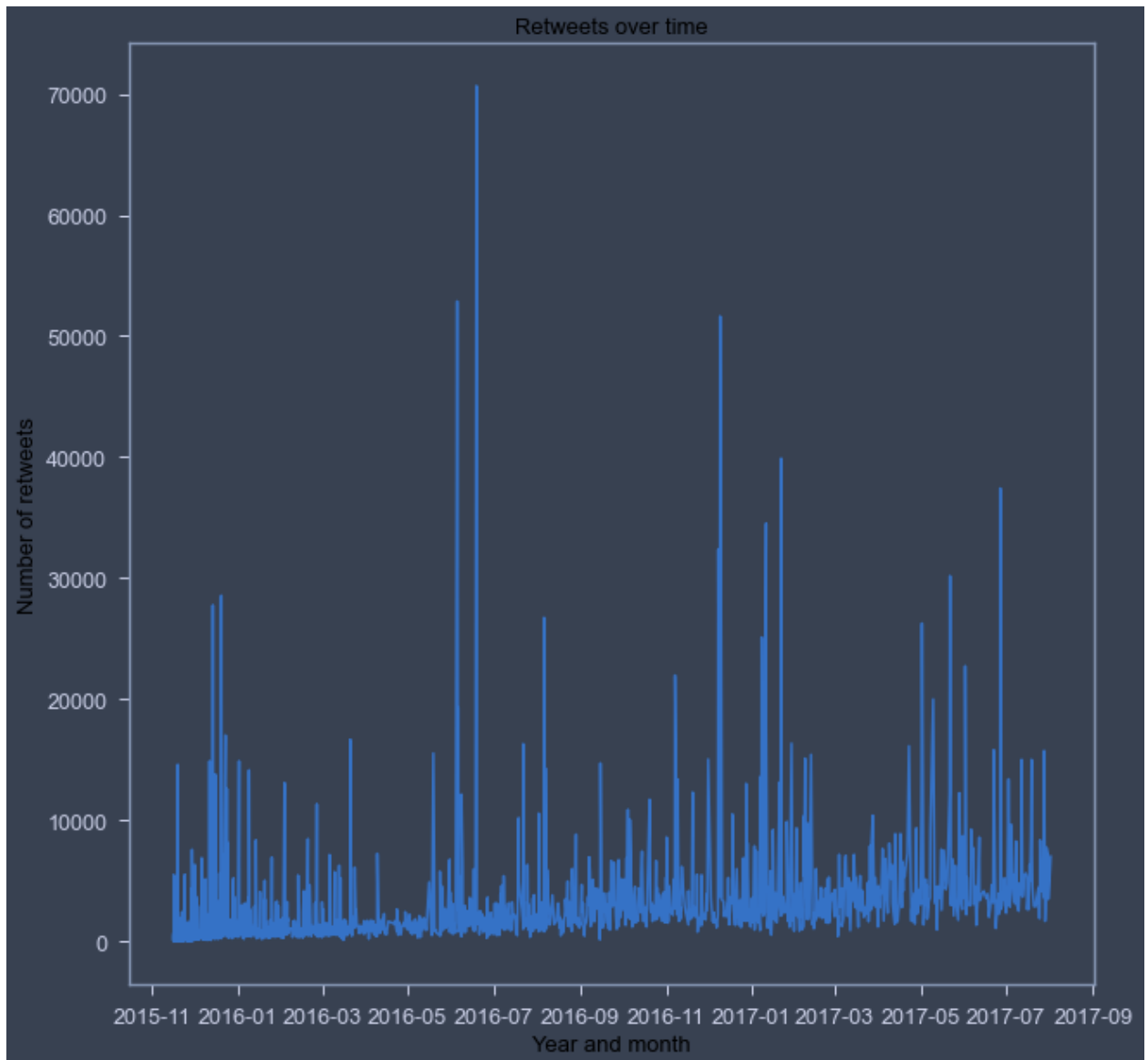


The three most popular dog names are:

- Lucy - 11

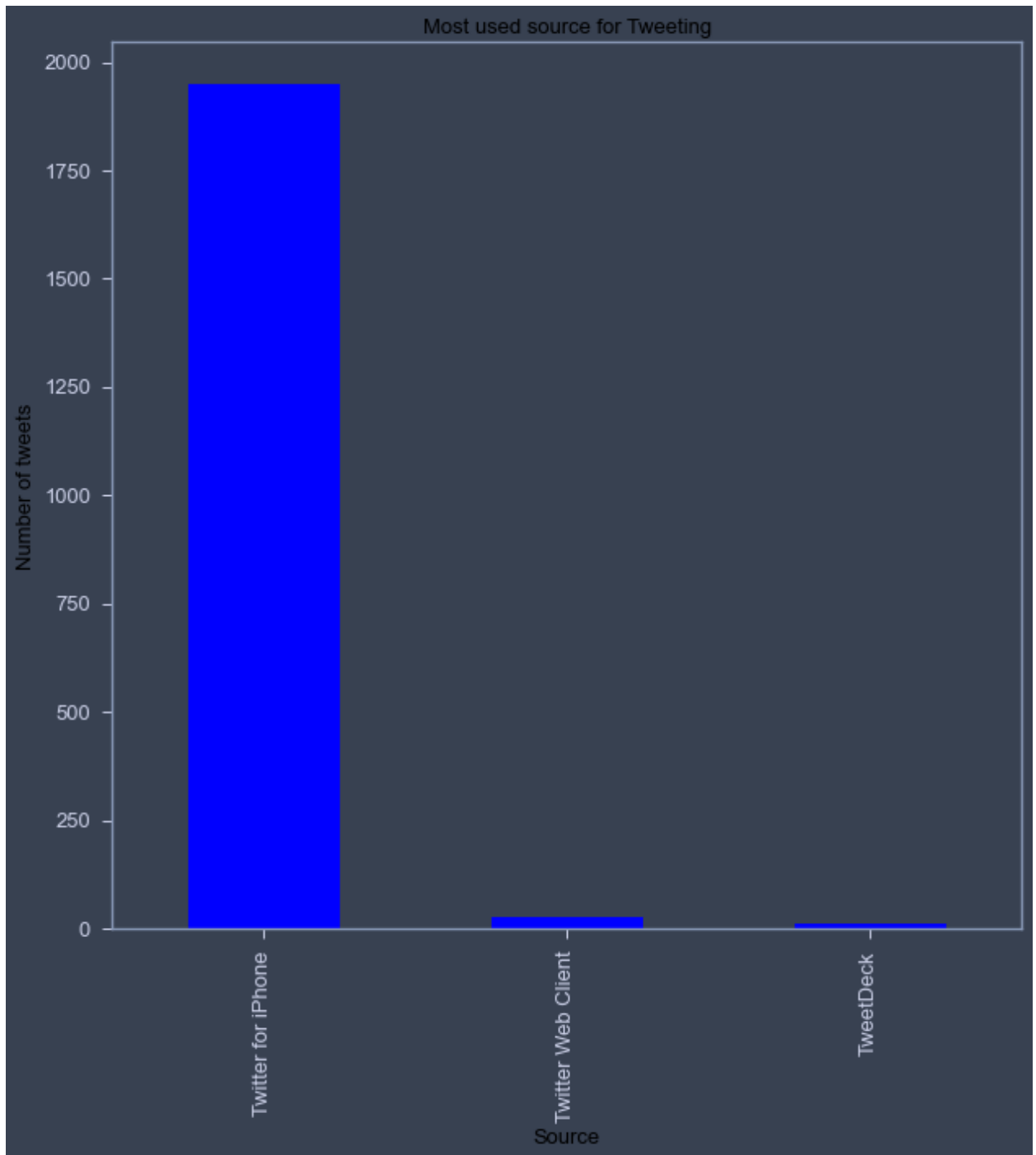
- Charlie - 11
- Oliver - 10

#### 4. Retweet over Time?



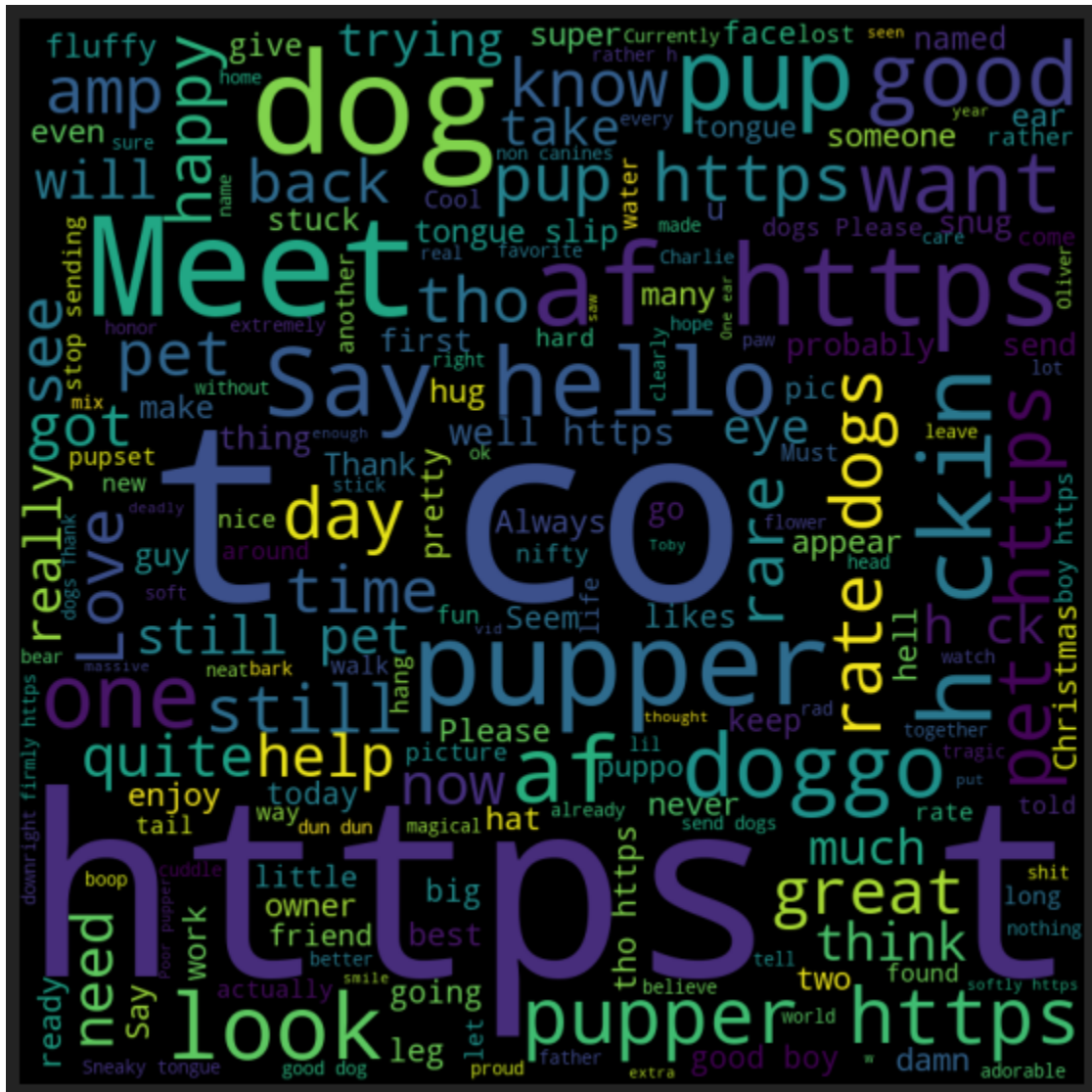
- we notice, we constantly have rapid number of retweets in majorly all periods except between "2016-04" to "2016-05" where there was low number of retweets

5. Our most used source for tweeting?



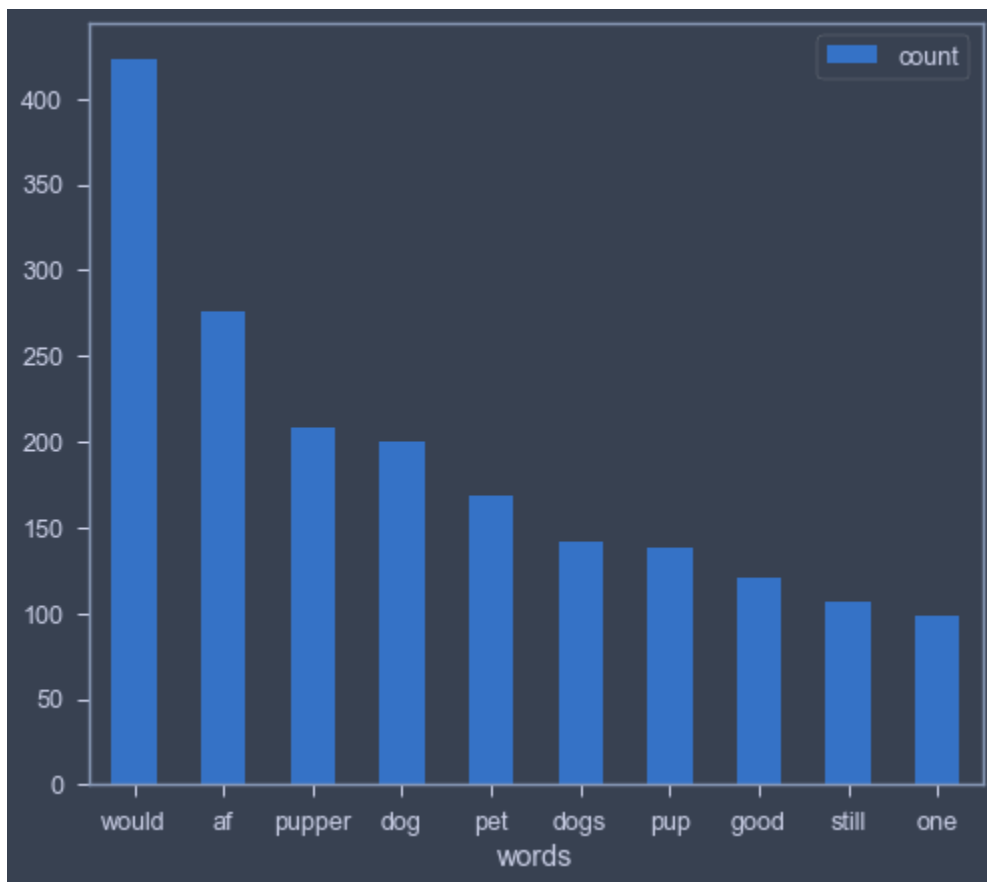
- we can see here clearly from this bar chart that "Twitter for Iphone" is our most used source for tweeting

## 6. A word cloud image of our tweets



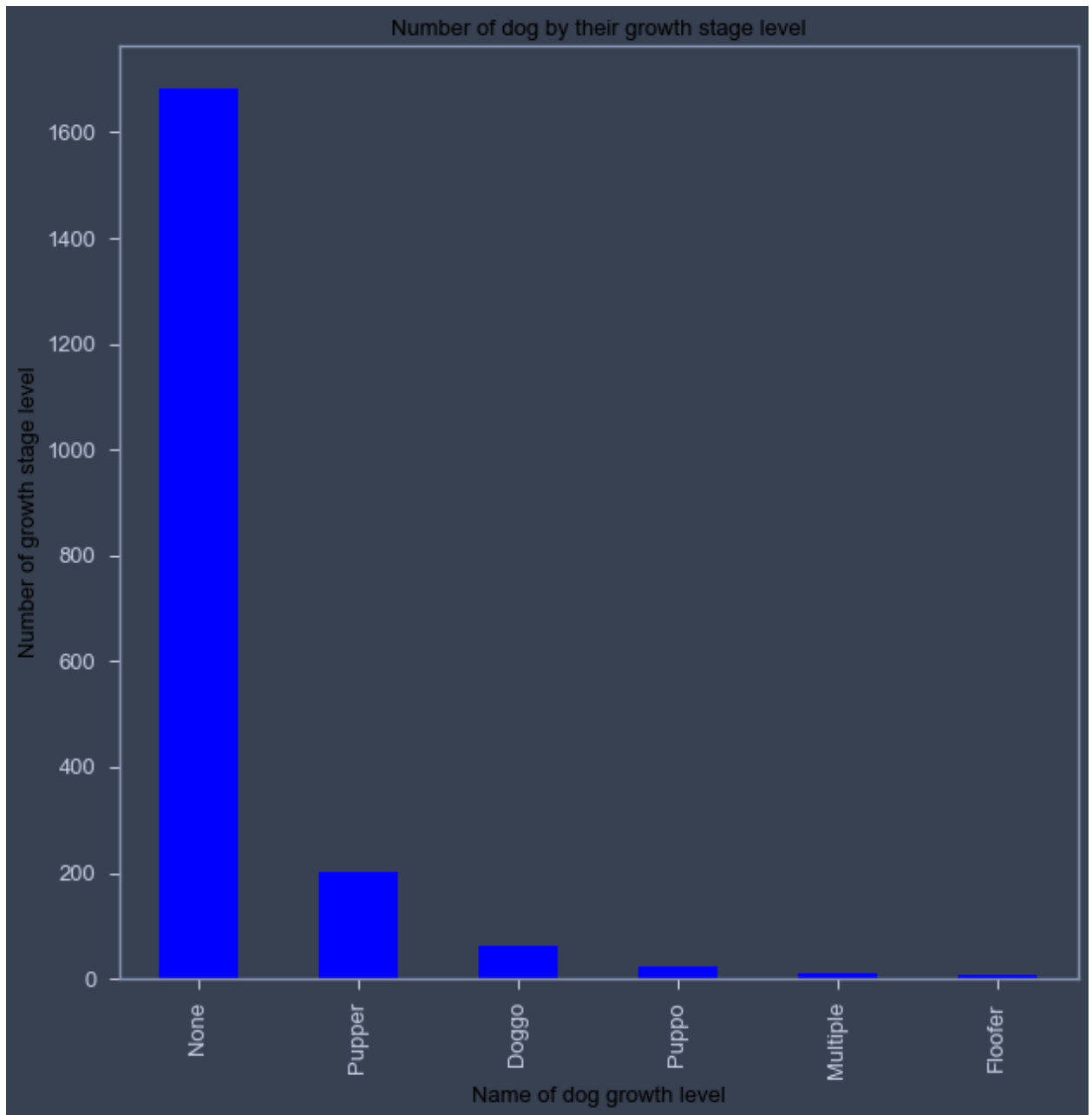
- This image shows the common words appearing in all tweets gathered in our cleaned dataset. It gives a slight insight or story of what most of our tweets are about

7. What are the Most common word occurrences in all tweets?



- These shows the top 10 most common words found in our tweets

8. How many of our dogs do we know their current growth level?



- We can see that we can not track most of our data as a summountable amount is "NONE" so this insight cannot be valid



