

# Report: WeRateDogs Twitter Archive Data

## Requests / Questions, Insights and Visualizations

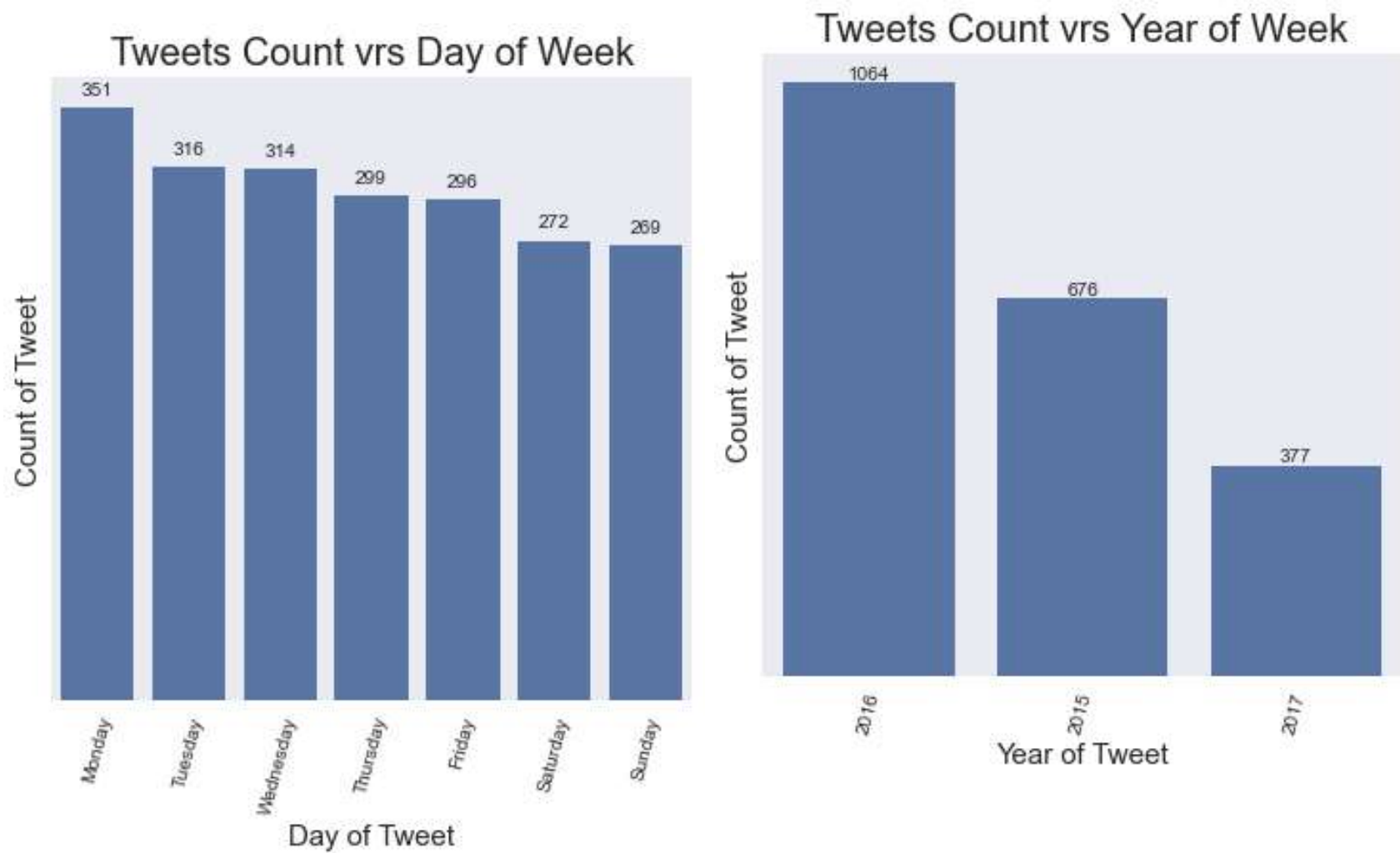
Nine insights and a few visualization(s) from the clean master dataset were generated based on a set of questions as outlined below.

### Questions

1. What is the tweet distribution by day of week?
2. What is the tweet distribution by year?
3. Which dog had the highest rating?
4. How many dogs had their names not declared?
5. Which days had the highest and lowest retweet count?
6. On which day was a tweet liked or loved the most?
7. What is the favorite\_counts distribution over days?
8. What is the most given dog name among the declared names in the dataset?
9. What is the percentage of dog stage that were not declared?

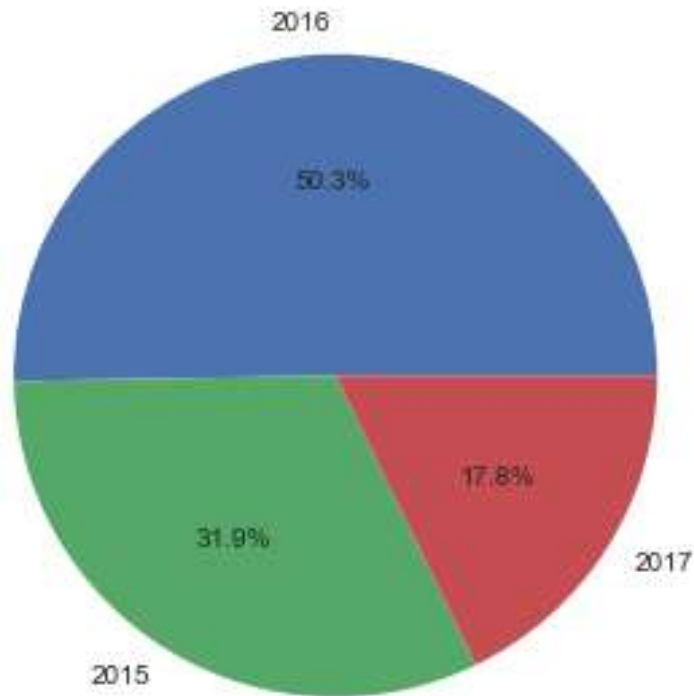
### Insights

1. Thursdays recorded the highest tweets of **351** while Sundays recorded the least tweets of **269** among all the other days of the week.
2. (a) Also, the order of tweets per year is: 2016 had more than 2015 which had more than 2017 with tweet counts of 1064, 676 and 377 respectively. The charts below illustrates this clearly.



2. (b) From point 2a, it indicative that **50.3 %** tweet of the total tweets came from 2016, **31.9 %** from 2015 and **17.8 %** from 2017.

## Yearly Tweets Distribution



3. The dog with the highest rating of 177.6 i.e. (1176/10) was Atticus which is shown below. The tweet about this dog automatically opens in a web browser when the notebook (**wrangle\_act**) is ran.

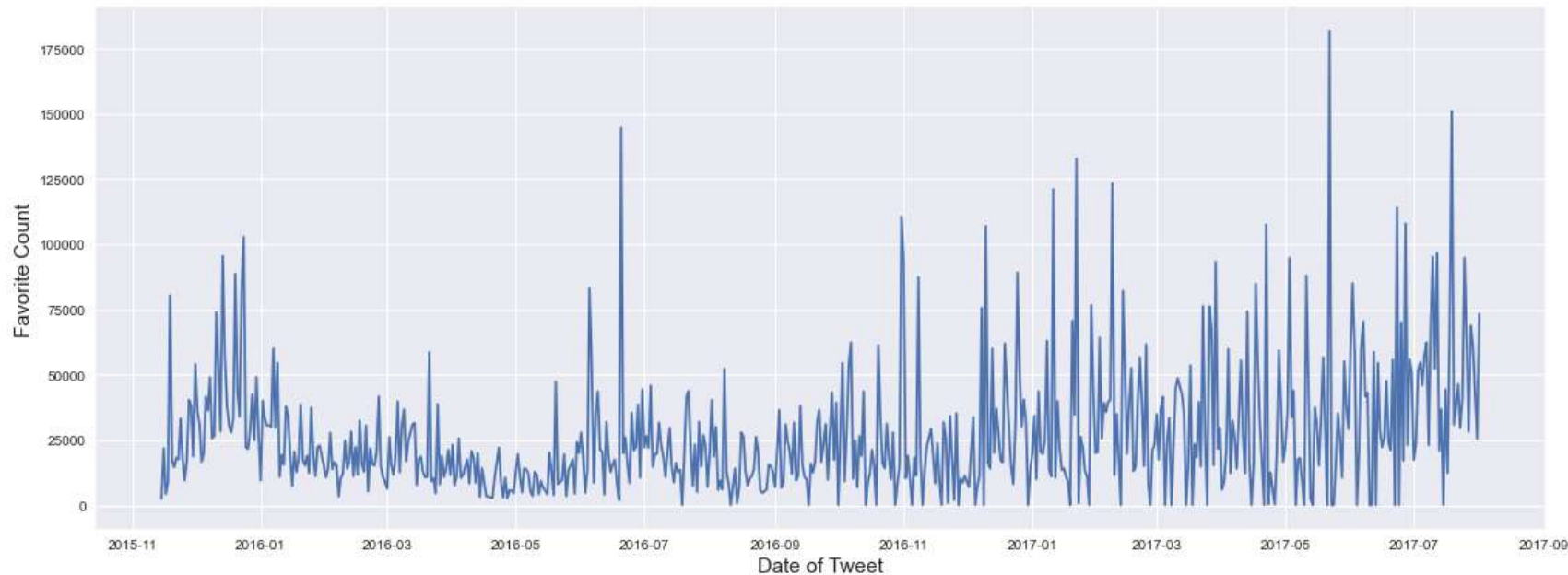


4. 644 dogs had their names not declared representing **32.2** % of the total number of dogs.

5. June 20, 2016 which was a Monday recorded the highest number (**79515**) of times a tweet was retweeted while the lowest of **2** was recorded on March 10, 2016 which was a Thursday.

6. The most recorded likes for a tweet was on Sunday January 22, 2017.

7. A plot of the favorite counts against the various days of tweets indicates that the number of tweet likes increased greatly after September 2016. This **could** signal the stron acceptance of twitter as the years progressed



8. Of all the dog names which were declared by the tweet authors, four stood out a close contest. The first name had 11 dogs named with it and the other three had 10 dogs each named with these names. These are:

Name	Number of Dogs
Charlie	11
Lucy	10
Oliver	10
Cooper	10

9. Approximately 84.7 % of all dogs had their stage not declared.

This could be that the owners are ignorant of the dog growth stages or they just decided not to state. If the latter is true, then tweets authors could be encouraged to state the stage of their dog but if the former is the case, then a strategy could be deployed to educate dog owners / tweet authors on the various stages of a dog's life.