

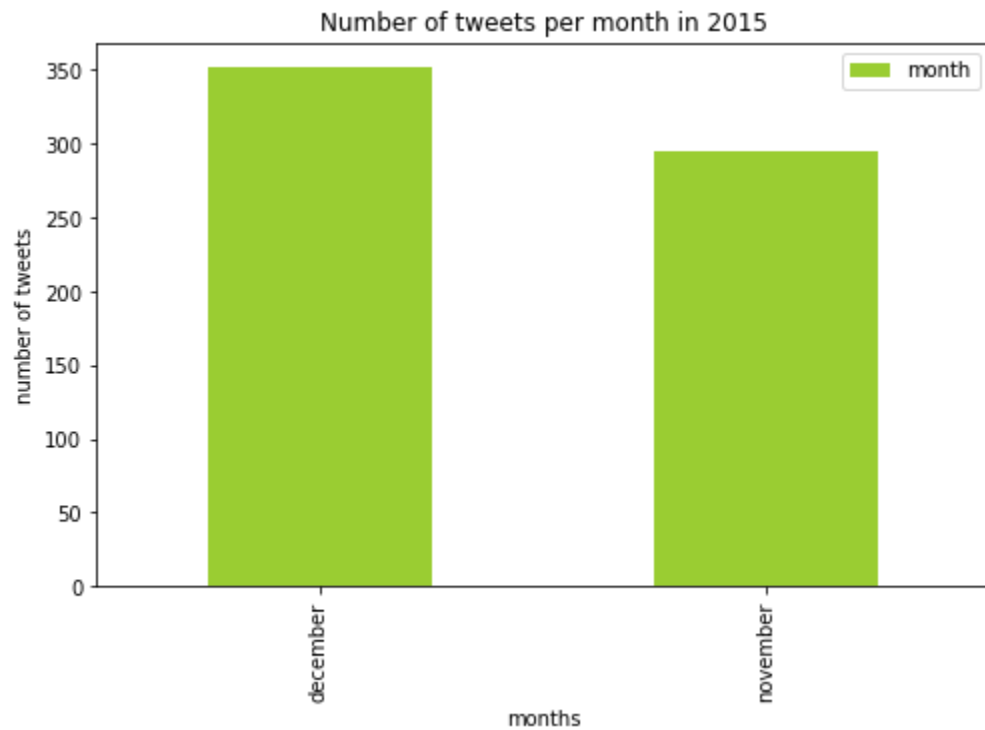
## DATA ANALYSIS REPORT

After gathering and cleaning the data, we went through the analysis process and came up with some insights.

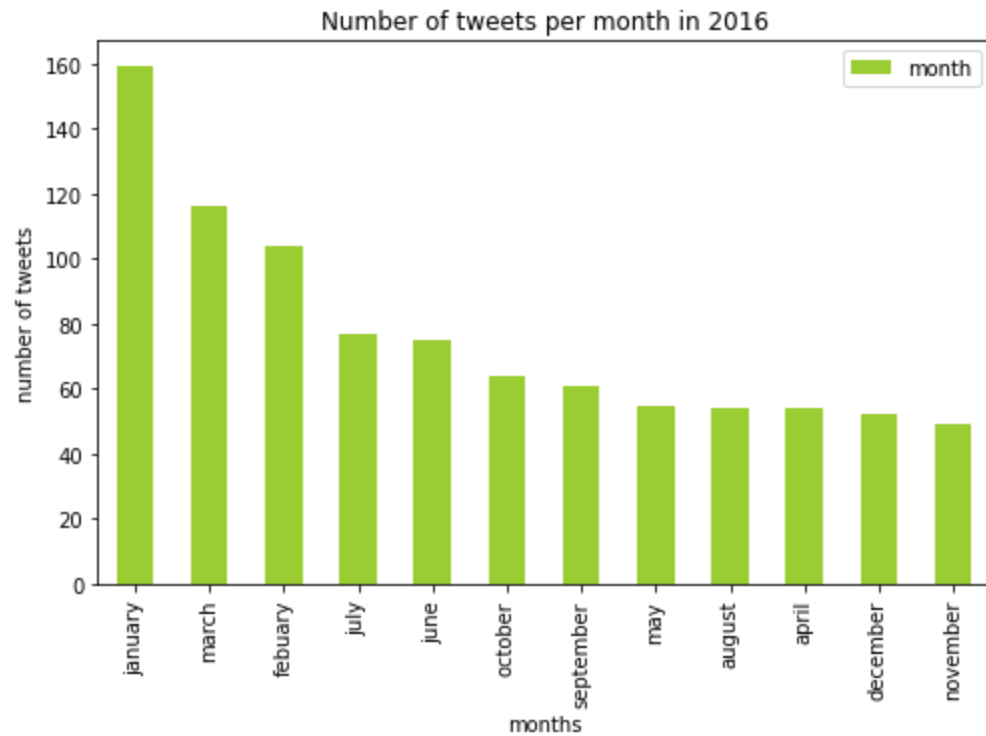
We have realized that:

- About Tweets:

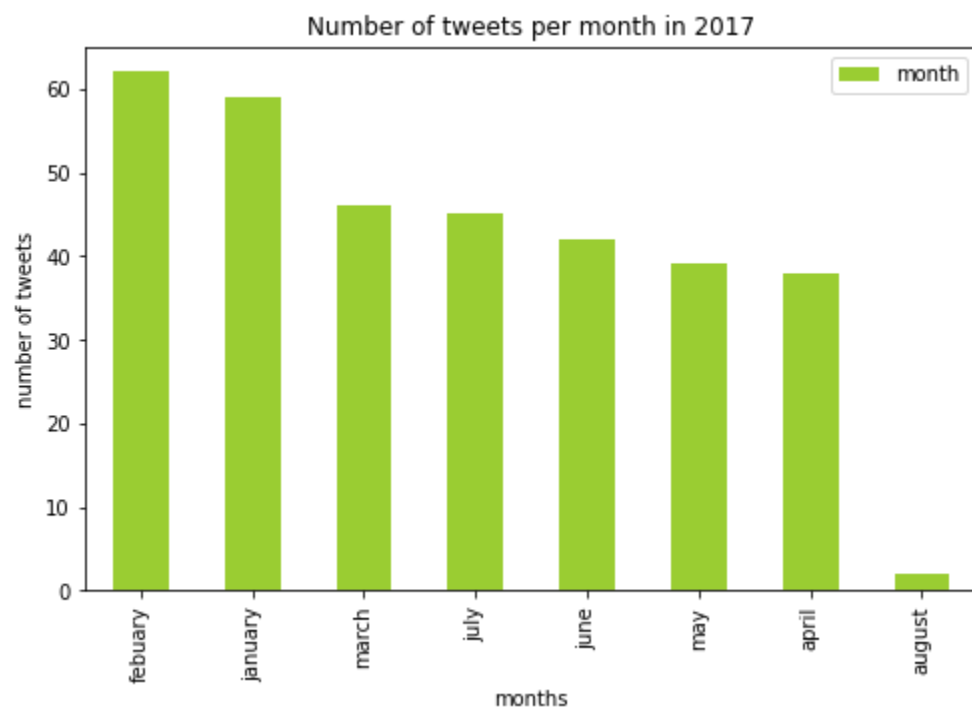
- In 2015, tweets in december are higher than in November as this image shows:



In 2016, the month of january has the highest number of tweets, and same as in 2015, december has a higher number of tweets than november.

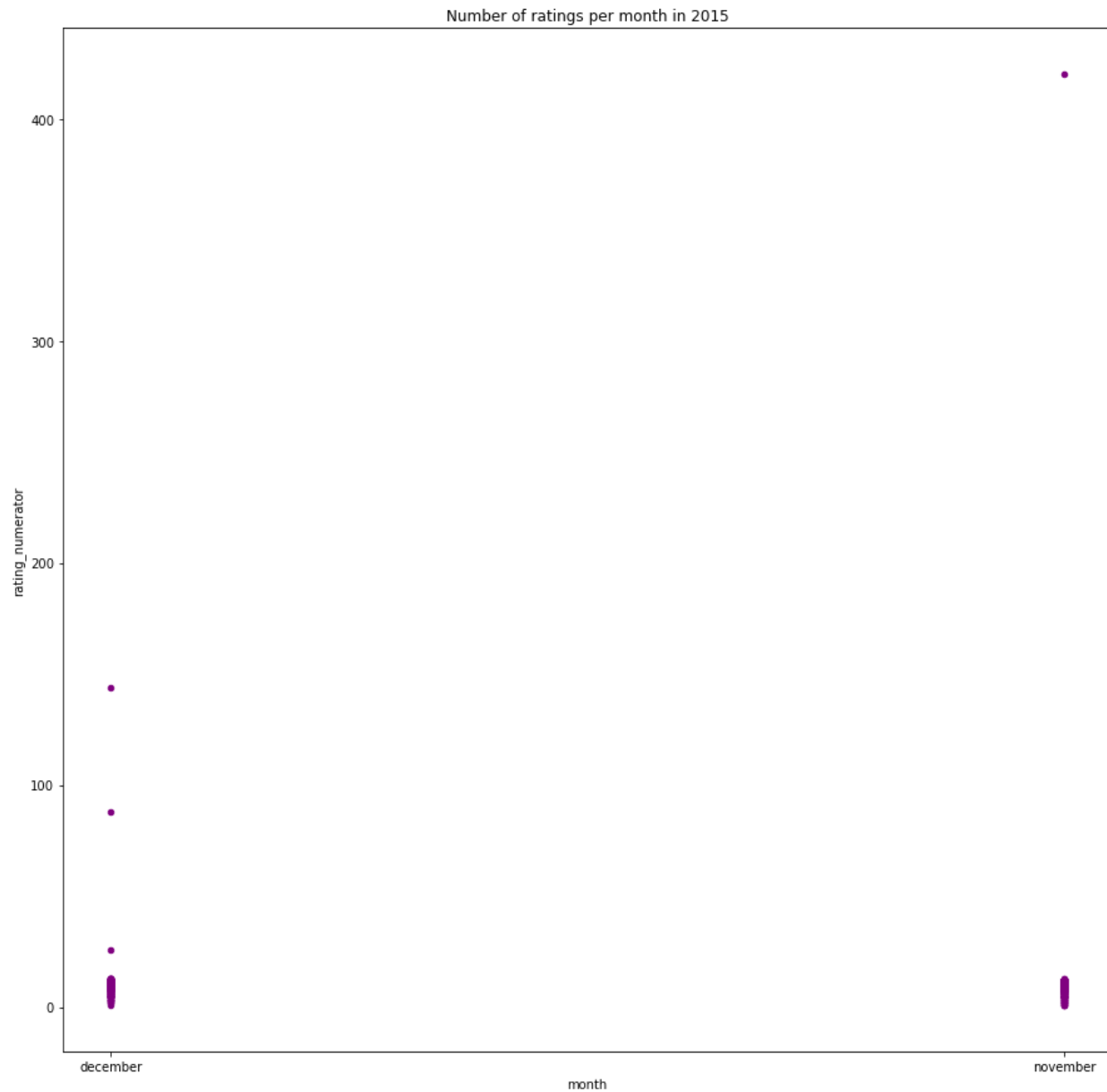


- In 2017, the highest number of tweets are made on january and february and the lowest number of tweets are made on august. See image below:

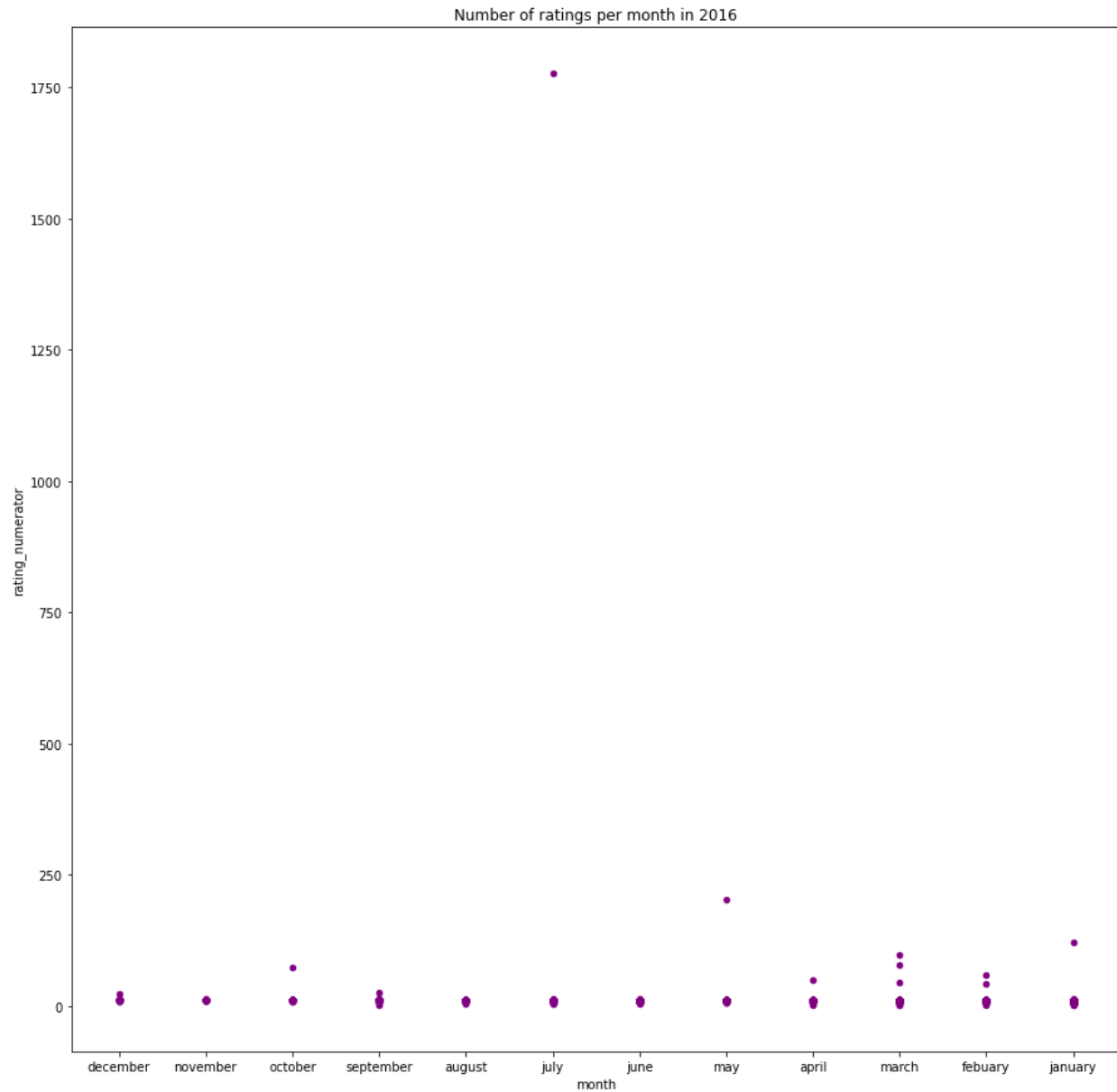


■ About ratings

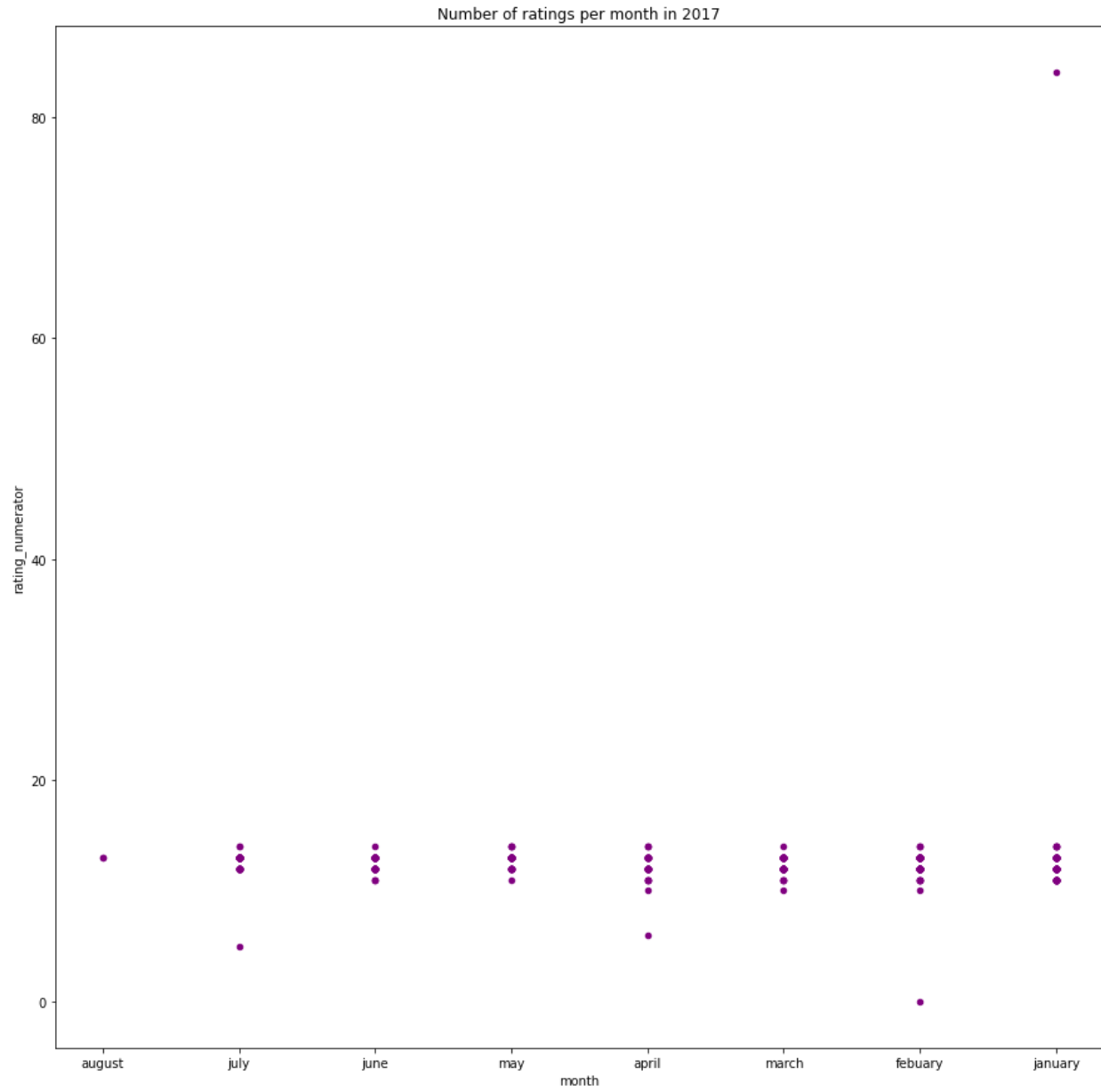
- In 2015, most of the ratings are concentrated between 0 and 30 and the month of december has the highest number and the highest values of ratings. See image below:



- In 2016 too, most ratings values range between 0 and 30 with highest number of ratings being in march. See image below:

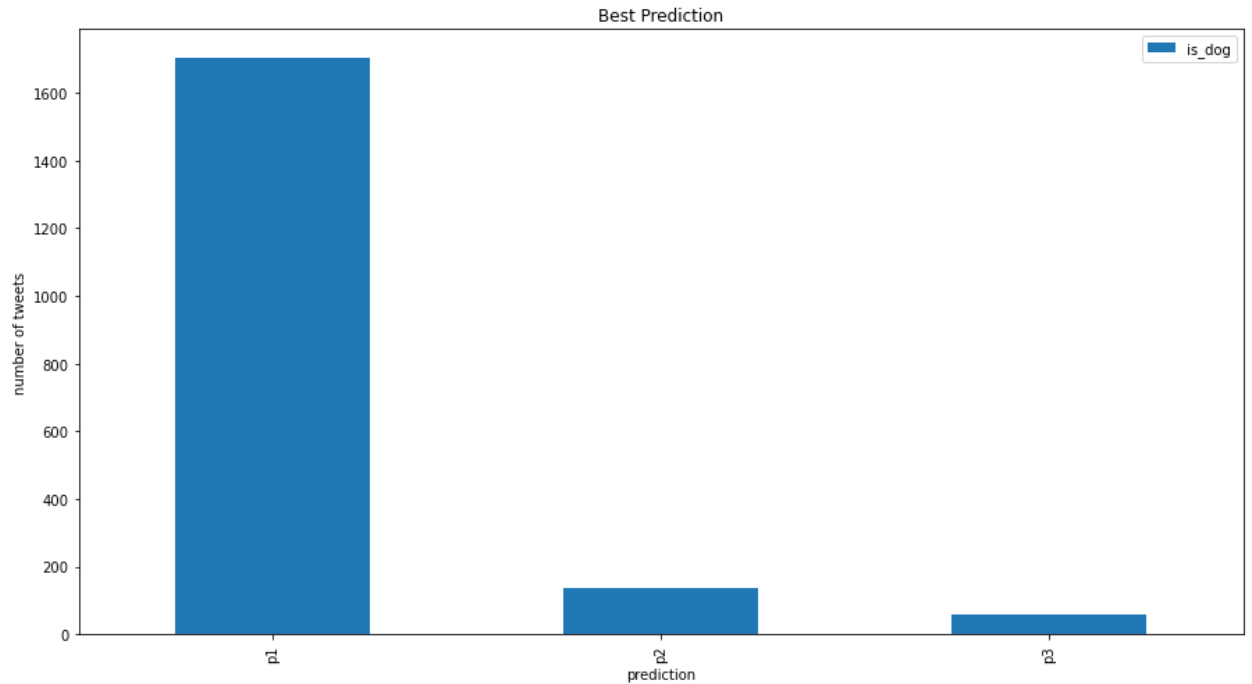


- In 2017, most of the ratings range between 0 and 20 with the highest number being in february, april and march. See image below:



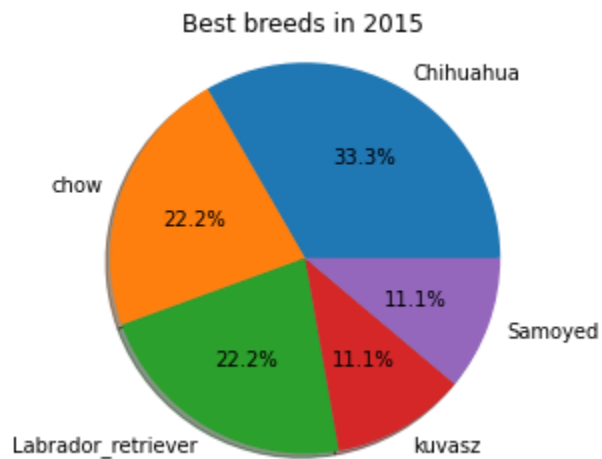
■ Prediction

- The best prediction is p1. See image below:

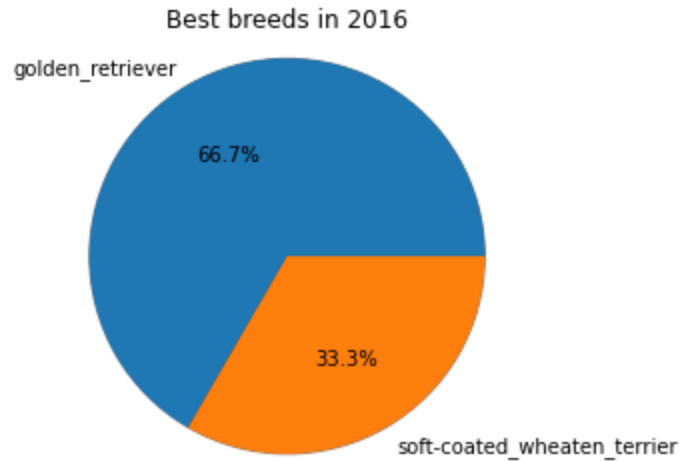


■ Top 5 most rated breeds per year:

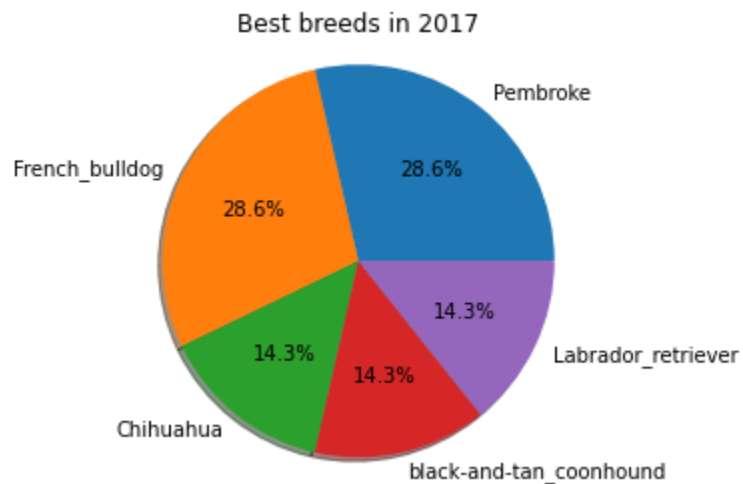
- In 2015, the most rated breeds of dogs are borzoi, Labrador\_retriever, chow, Samoyed, kuvasz, and Chihuahua, with Chihuahua having the highest number of ratings. See image below:



- In 2016, golden\_retriever and soft-coated\_wheaten\_terrier are the most rated breeds. see image below:

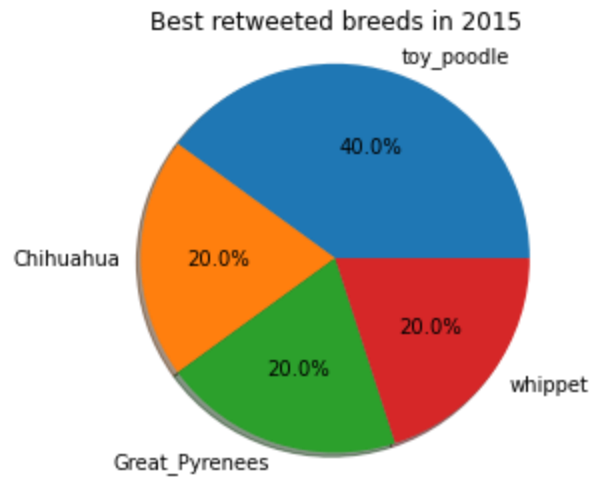


- In 2017, the most rated breeds are French\_bulldog, Pembroke, Labrador\_retriever, black-and-tan\_coonhound, and Chihuahua. See image below:

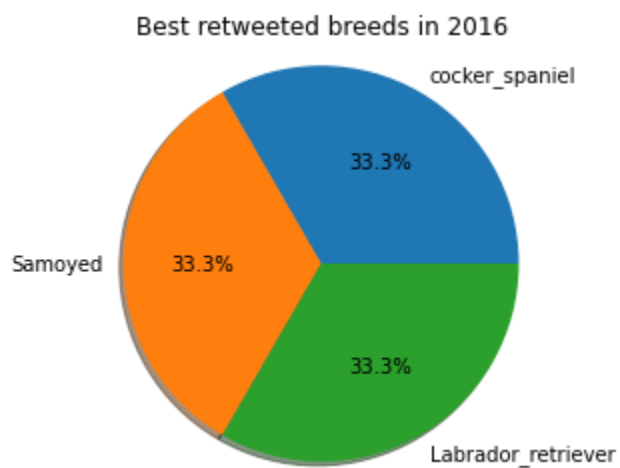


■ The most retweeted breeds

- In 2015, the most retweeted breeds are toy\_poodle, Chihuahua, Great\_Pyrenees, and whippet. See image below:



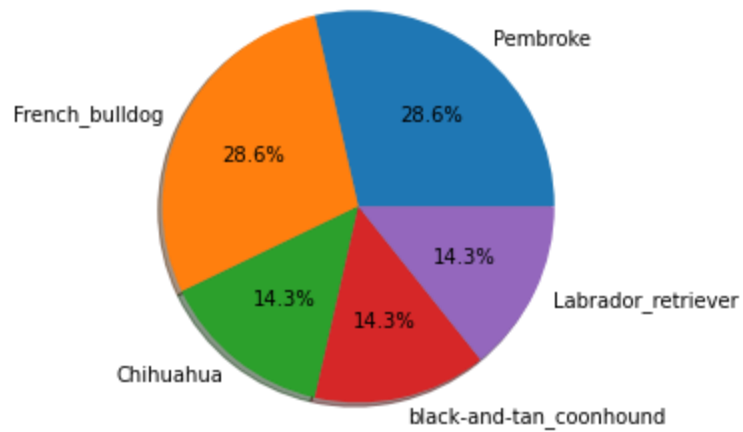
- In 2016, the most retweeted breeds are Labrador\_retriever, Samoyed and cocker\_spaniel. See image below:



- In 2017, the most retweeted breeds are French\_bulldog, Pembroke, Chihuahua, black-and-tan\_coonhound, Labrador\_retriever. See image below:



Best retweeted breeds in 2017



■ Relationship between retweet count and favorite count

- We clearly see that, the value of retweet count globally increase with the value of favorite count. This shows that whenever a user retweets a tweet, he also chooses it as favorite. See image below:

