

# We Rate Dogs

*Data Analysis and Insights*



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 Joined November 2015

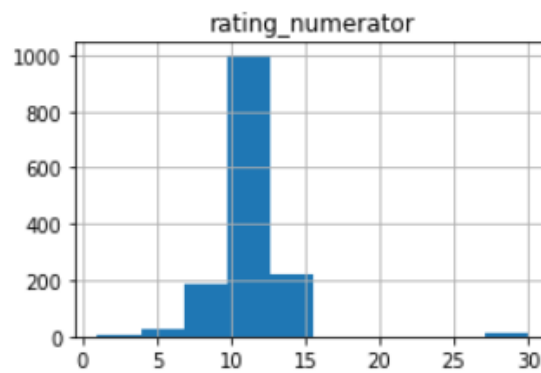
18 Following    8.9M Followers

## Insights and Analysis:

In this phase, we analyse the data using graphs and plotting to explore and get meaningful information and efficient insights.

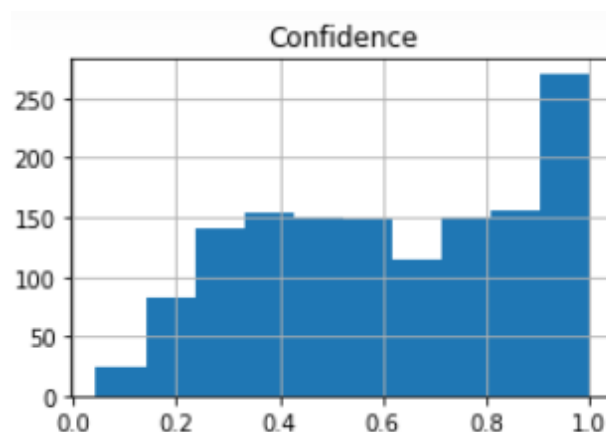
- **From rating numerator histogram, Average rating is 11 out of 10 which is good.**

Ratings in the twitter archive data are different and some of them are not actual ratings and was fixed manually. Some of them are overrated and to fix this issue, very high insignificant ratings are scaled down to 30 to limit the range of ratings without outliers for better statistical calculations. By calculating the average of numerator ratings, we have got that the average ratings is 11/10 which is good for this scale.



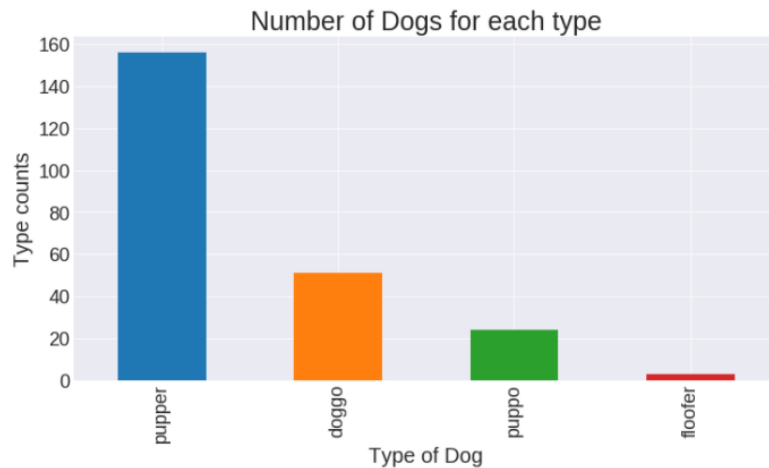
- **From confidence histogram, the median and the mean are 0.6 which is greater than 0.5, which indicates good prediction.**

As mentioned in tidiness issues, we take the first prediction as the appropriate one for predicting if the image contains a dog or not, so by having high confident prediction gets more true results. As its confidence above half, which is always between 0 and 1, so it is a good indicator. As shown also that the confidence value =1 is the most occurred showing a 100% dog image which describes its powerful classification.



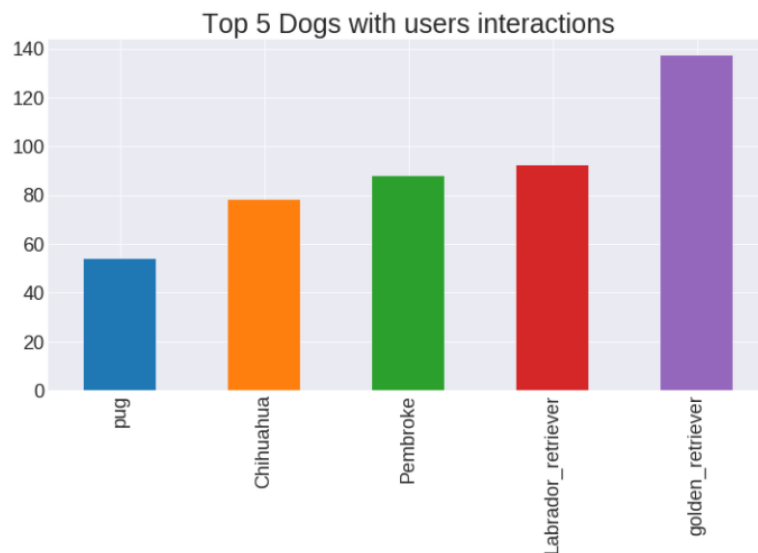
- **Here are the 4 types of dogs, Pupper has the most count in the tweets.**

By analysing dog types, we found that “pupper” is the most common one. That means, there are many contents or tweets which contains this dog type, and it is the most loved type and rated by people. After the pupper, doggo takes the second place having approximately less than half of the counts or occurrence of the pupper. Following by puppo and the last one is the floofer which approximately did not exist in people’s tweets.



- **Here are the top 5 rated dogs, Golden retriever has the most occurrence which indicates more tweets with these images that contain the golden dogs.**

The golden retriever dog has near 140 images in this twitter account, which indicates that it has the greatest occurrence in tweets and more people owns this dog, so if any content or tweet posted having this dog images, the interaction will be more and more. The least common dog is Pug, as its existence in the tweets are the smallest one of these top 5 dogs.



- **Plotting retweets over time, we see that retweets increases as time passes that indicates a great interaction from users on this content.**

In the graph below, we see obviously that the retweet count is increasing with time till 2016. As a year passed, the number of retweets decreased to its half (approximately). The increasing of retweets in 2016 in the dogs ratings account, means large user interaction this year, which is a good indication that the user interaction is powerful with its tweets and images. But in 2017, the interaction of users decreased to its half maybe because of the content which did not attract them like before.

