

# Act Report

## Introduction

This report depicts the visualization which we have done after gathering, assessing and cleaning the data for its consistency. Subject of this project was rating done to the tweets published in the Twitter handle WeRateDogs. **WeRateDogs** rate dogs in their website with a unique rating system where numerator is mostly greater than the denominator because they believe that every dog deserves at least 10 marks.

## Visualization

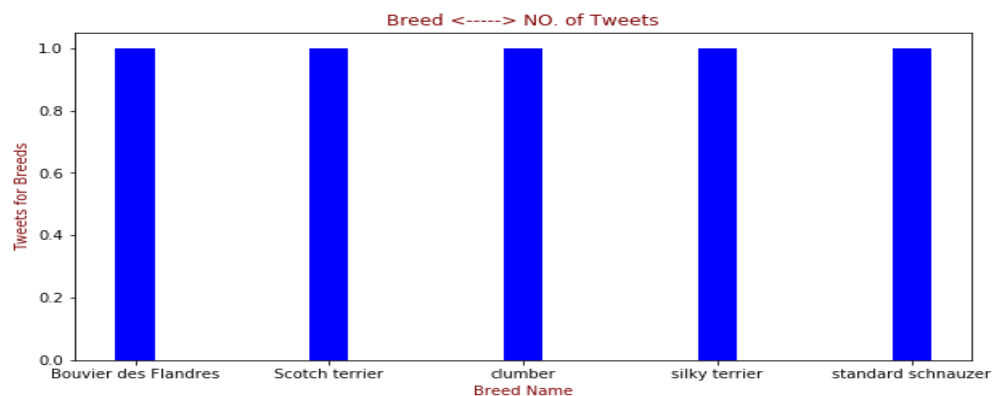
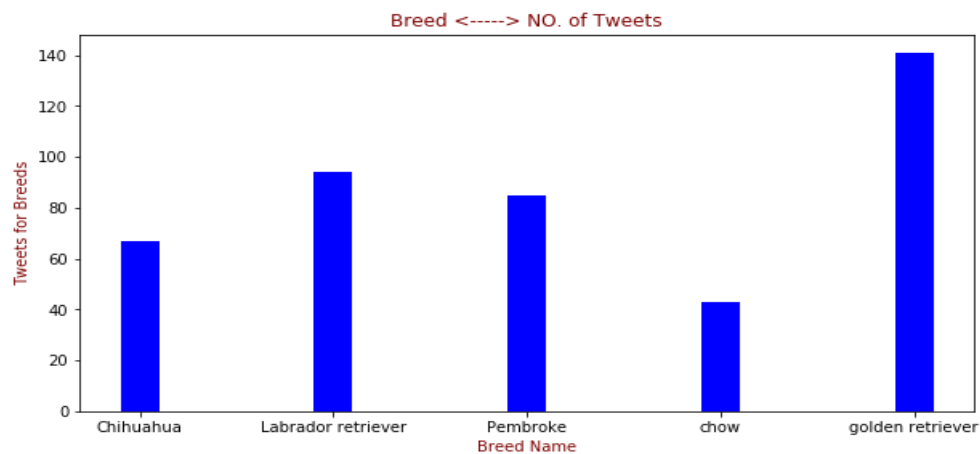
Below are the insights and Visualization presented for the analysis done over the data extracted –

- Most Popular and Unpopular dog within this twitter handle
- Source contributing to this handle the most
- Dog with maximum number of Likes and Retweets
- Most popular dog type predicted through Predictions file provided

### Most Popular and Unpopular dog within this twitter handle

Most popular and unpopular breed of dogs was found out with the data present in the master file called twitter\_archive\_master.csv.

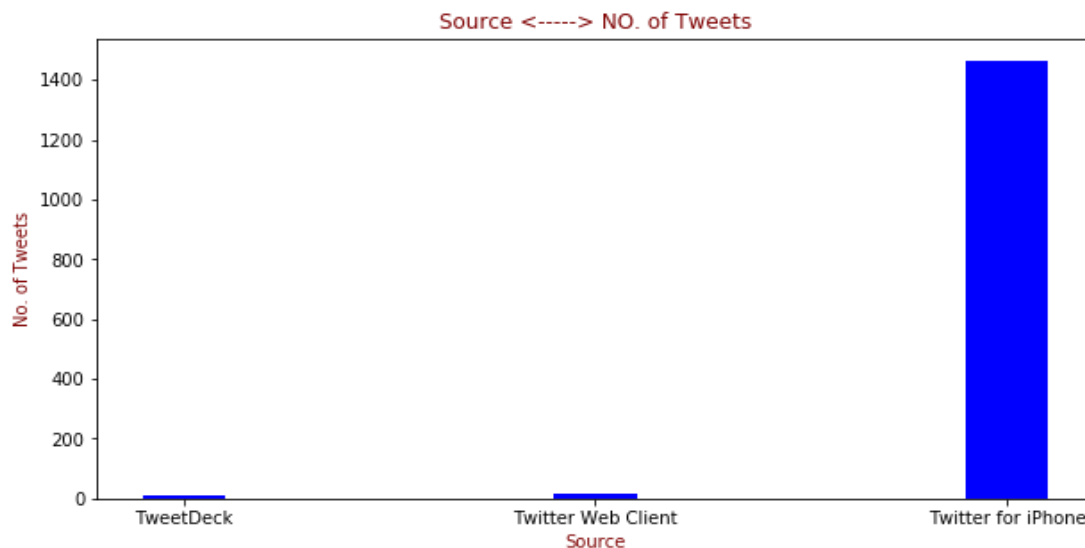
I have extracted 5 most popular and 5 most unpopular breed by tracking through the Number of Tweets done for the particular breed.



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## Source contributing to this handle the most

I get to clean the source columns and extract the source from which the tweets come into this twitter handle. I have projected the source to the No. of tweets happened for all this website not beyond then 1<sup>st</sup> Aug, 2017. Twitter for iPhone being the maximum contributor then it comes to Twitter Web Client and later TweetDeck.



## Dog with maximum number of Likes and Re-tweets

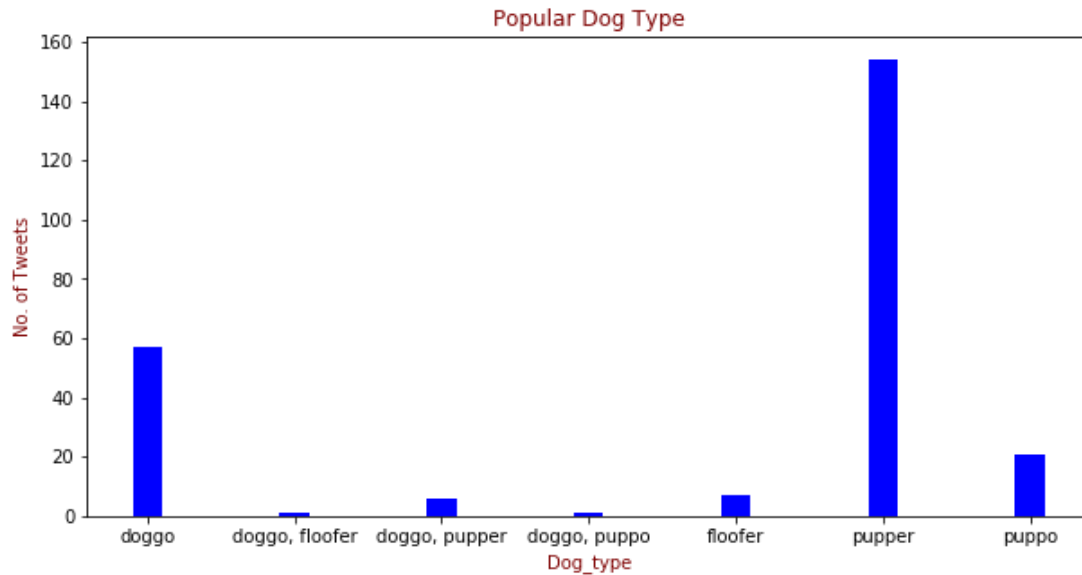
Through max() function I extracted the details of the dog breed which was most Liked and also re-tweeted in this handle. Surprising part is that the breed which was most liked (Labrador retriever) is not the most popular breed as we have seen in point 1 which is Golden Retriever

	tweet_id	breed	url
720	744234799360020481	Labrador retriever	<a href="https://t.co/7wE9LTEXC4">https://t.co/7wE9LTEXC4</a>
	tweet_id	breed	url
720	744234799360020481	Labrador retriever	<a href="https://t.co/7wE9LTEXC4">https://t.co/7wE9LTEXC4</a>

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## Most popular dog type predicted through Predictions file provided

At the end we have found out the most popular Dog Type which is extracted through this data after visulaising. And the clear winner is pupper, followed by doggo, puppo and floofer.



## Conclusion

Through this project we have analyzed different aspects of the data which we gathered and projected it through the help of matplotlib.pyplot. Projecting different statistics through plot is an easier way to make understand insights within the analysis.