

Title: Report on Analysis and Insights upon We Rate Dogs Twitter Dataset

Abstract: The following report describes the thorough analysis of the “We Rate Dogs” twitter dataset using tweepy API which comes along with some intuitive insights and visualization.

Data Source:

- twitter-archive-enhanced.csv
- https://d17h27t6h515a5.cloudfront.net/topher/2017/August/599fd2ad_image-predictions/image-predictions.tsv
- tweet_json.txt

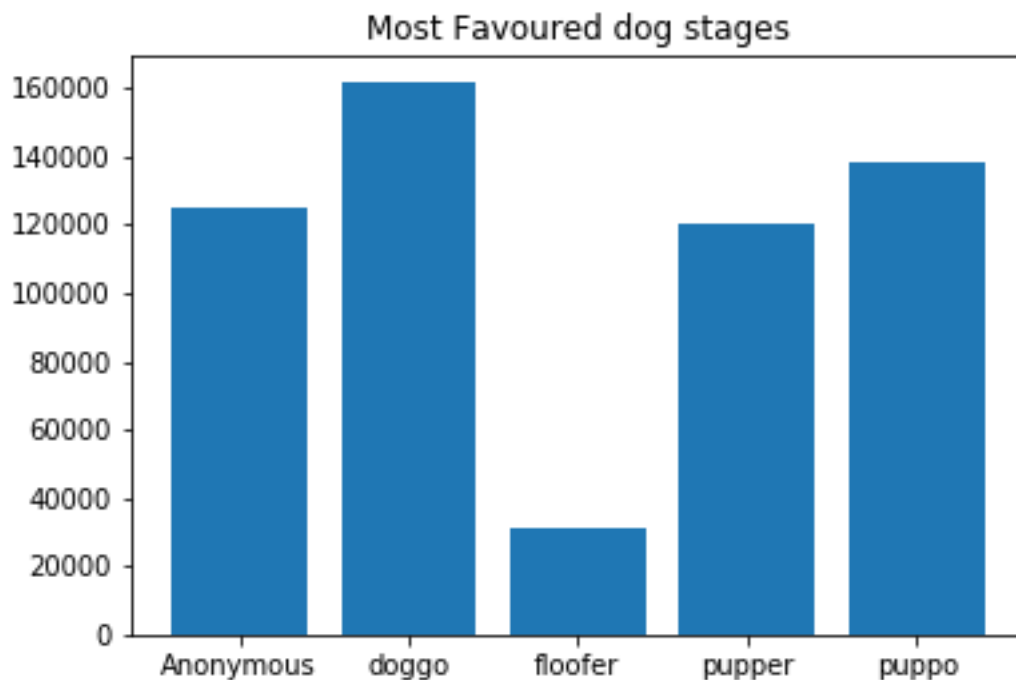
Analysis:

Module 1:

Analysis of the Most Favored Dog Stages

Objective: To find out the most favored dog stages.

Synopsis: In the chart given below, I have classified the data to obtain the maximum favorites count grouped by dog stages.



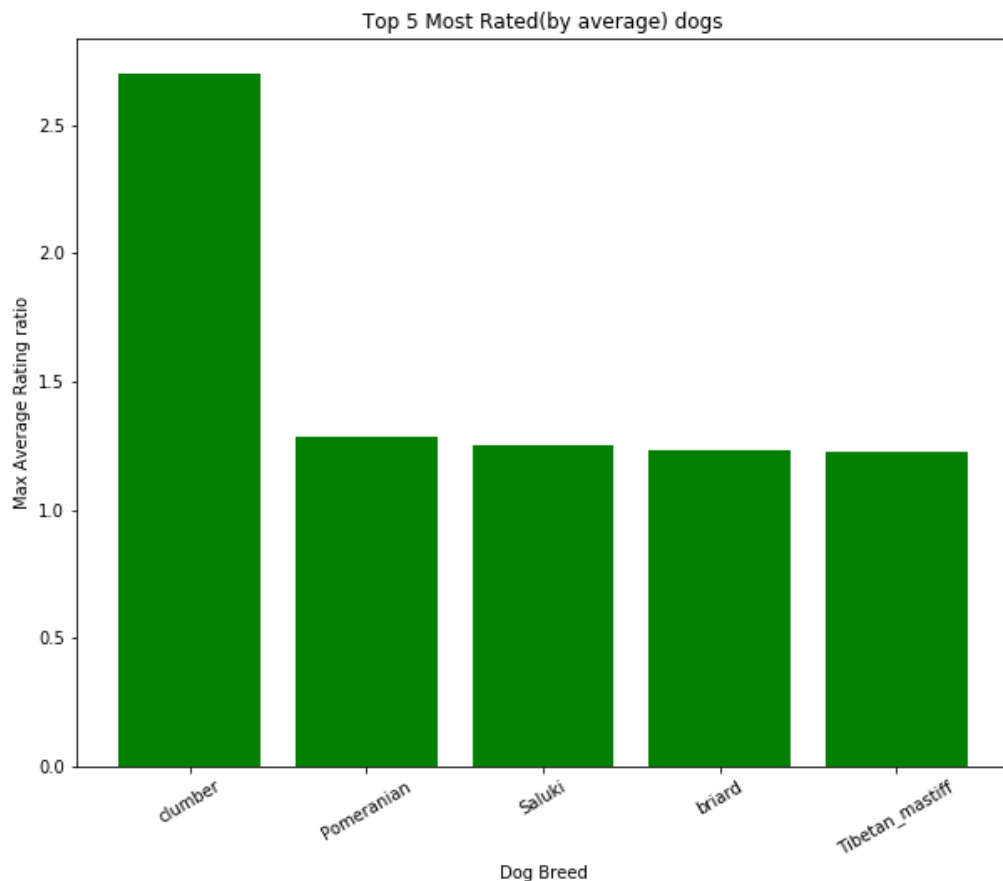
The figure suggests that ‘doggo’ is the most favored dog stage among the others.

Module 2:

Top 5 most rated dog breeds

Objective: To find out the top five most rated dog breeds

Synopsis: The method used is to classify dog breeds based on average rating i.e. ratio between rating_numerator to rating_denominator.



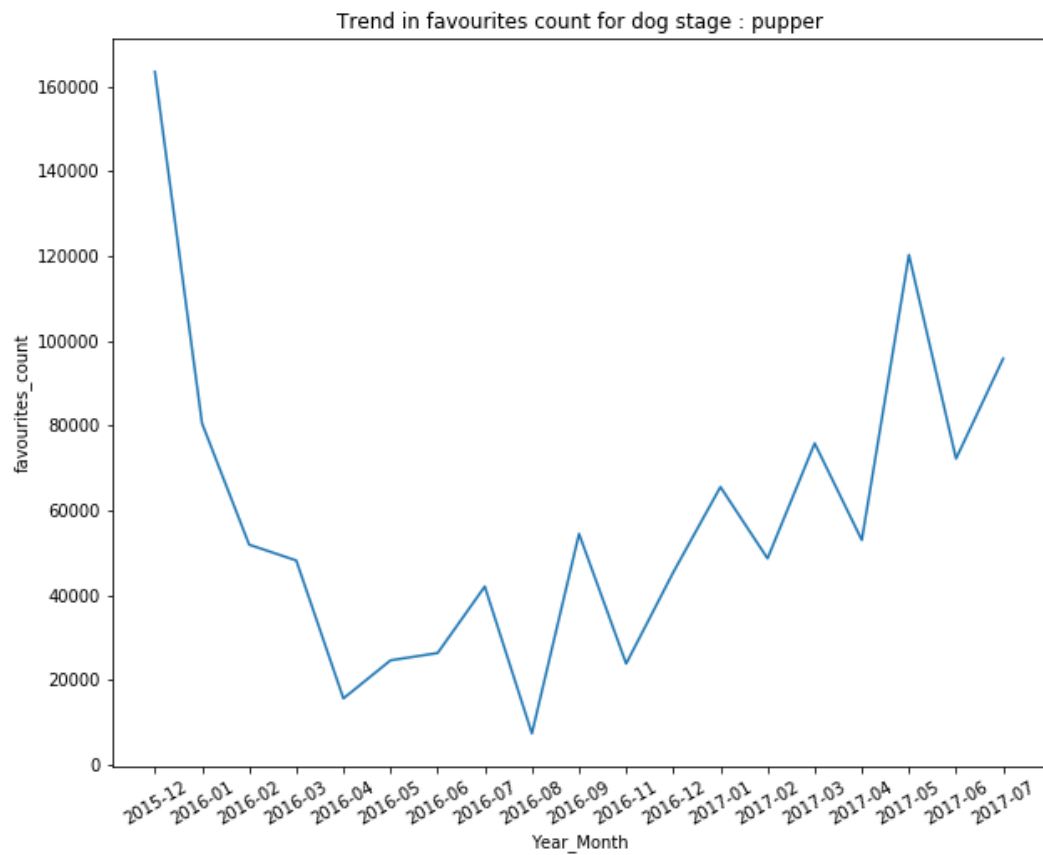
The figure portrays that 'dumber' is the highest rated dog breed having the maximum average rating. Except dumber rests breeds display almost the same average rating.

Module 3:

Trend in favorites counts with respect to each dog stages.

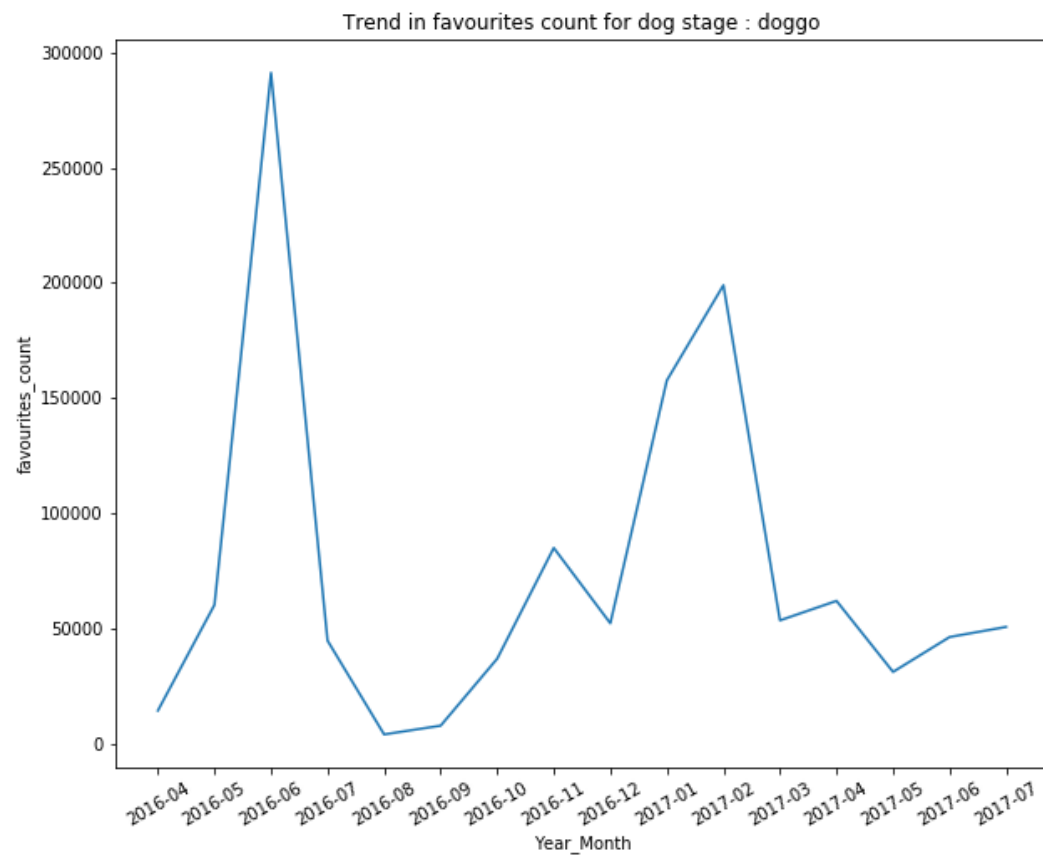
➤ Trend analysis for Pupper:

The trend started with the top point and gradually goes downward until April 2016. It then goes up with the progress of time. Frequent existence of peak points demands that this dog stage has been popular throughout the entire time span.



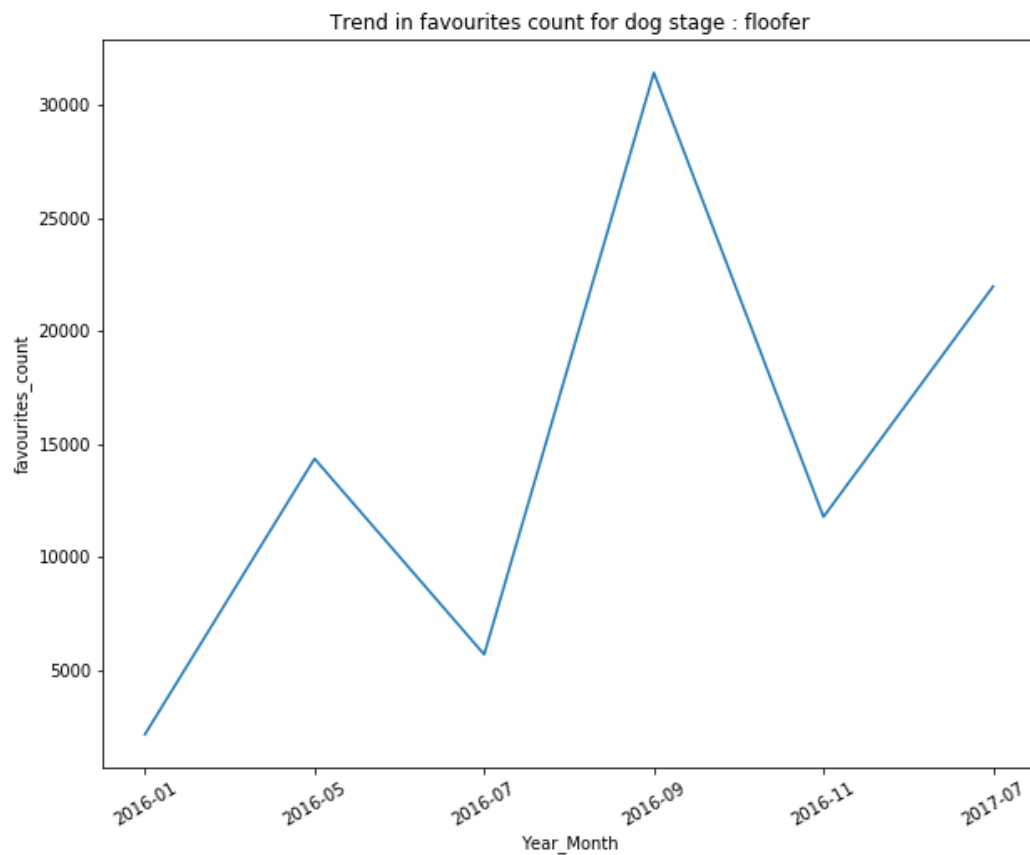
➤ **Trend analysis for Doggo:**

Likewise, the previous example doggo is also one of the popular dog stages preferred by all which is quite true by existence of almost all the months in a year. There is a deep fall of favorites count from June 2016 to August 2016 after which it started to rise.



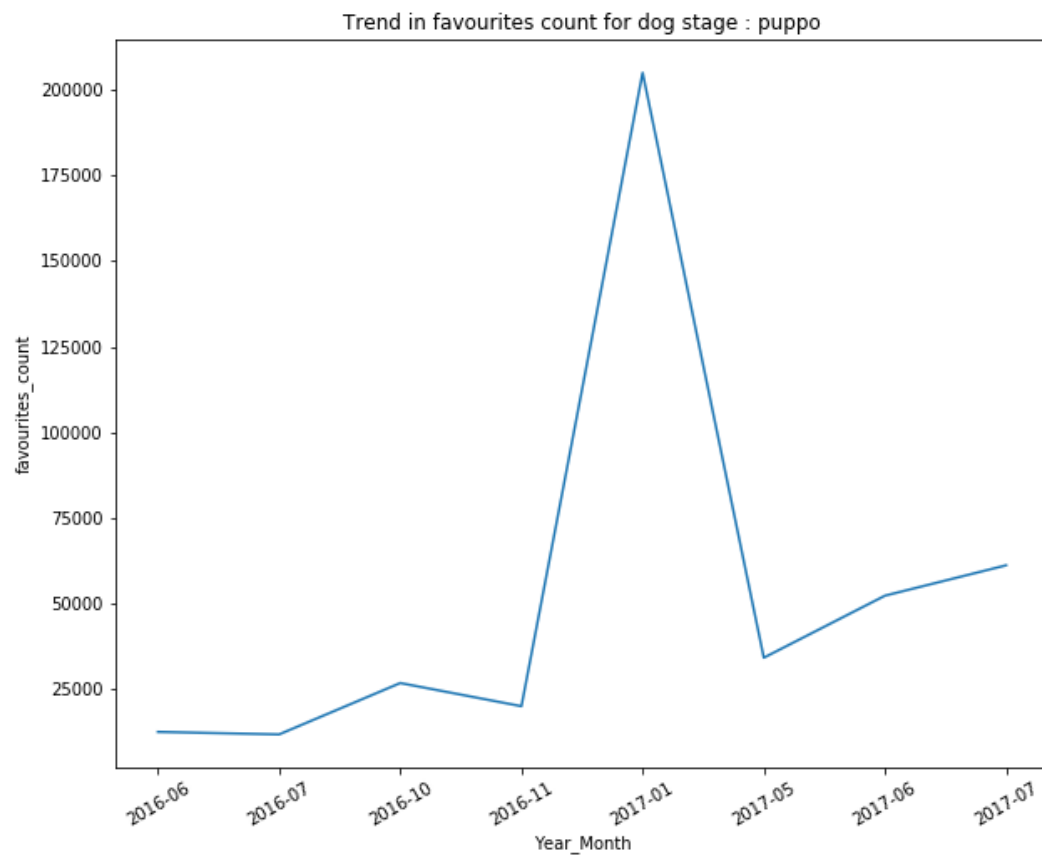
➤ **Trend analysis for floofer:**

The less existence of year month combo suggest that floofer was not so likeable stages preferred by all. This trend also suggest floofer is not so consistent as compared to rest stages.



➤ **Trend analysis for puppo:**

This is also reflecting the same behavior as seen the previous example. The very less existence of the less year month combo suggest this dog stage is not so popular. The trend followed a short downfall from June 2016 to November 2016 after that it rose up.

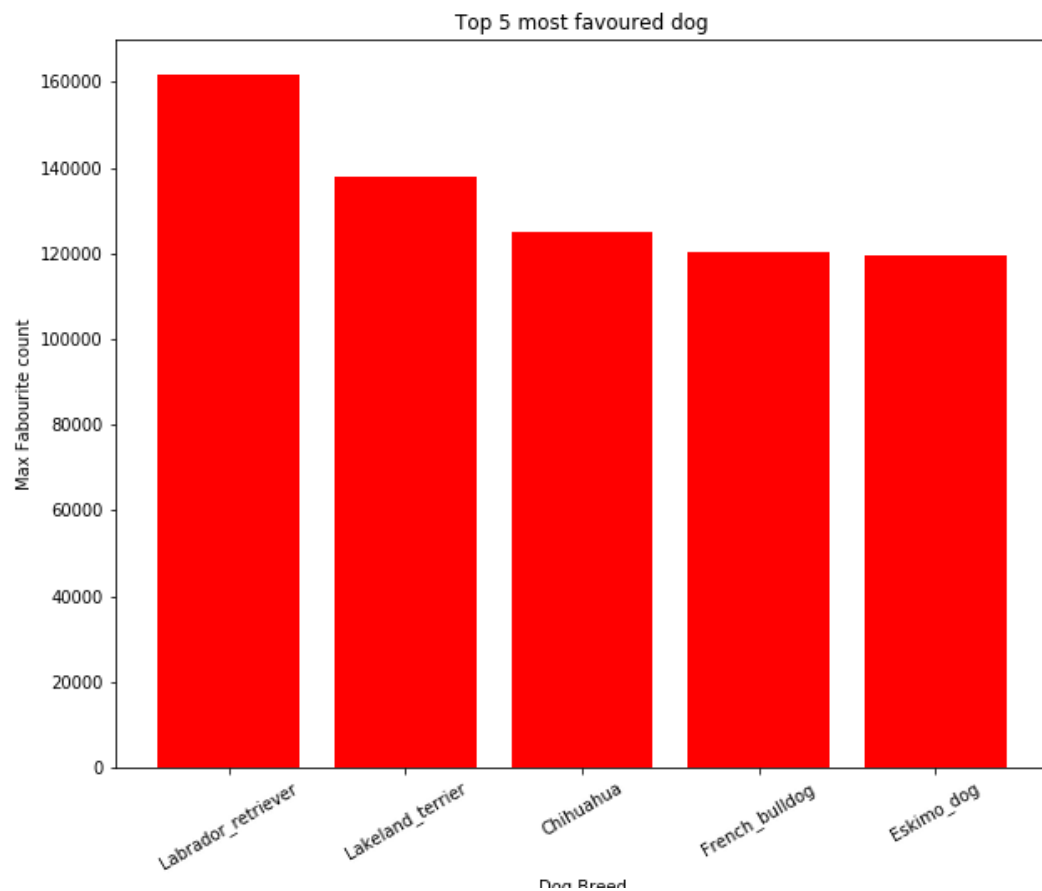


Module 4:

Top five most famous dog breed

Objective: To determine the top five most famous dog breed.

Synopsis: This experiment has been carried out to find the taste of human beings over the preferability of various dog breeds. While it has been observed that 'Labrador Retriever' is the most favored dog breed and Eskimo_dog and French_bull dog jointly hold the bottom position according to the diagram.



Conclusion and Limitation: The overall experiment has been conducted to find the trend among different dog breeds as well as dog stages. While it has been found that human tastes change through time but it's not quite applicable to the long span of time.

This report lacks of the following information:

- It doesn't provide any future estimation of human taste.
- Analysis of retweeted post