WeRateDogs analysis and insights

Average rating score of dogs over 2015-2017

In figure1, we notice that July 2016 strikes with highest average rating score. On the other hand, 2017 the average rating score is kept at the same level with very marginal changes among year month

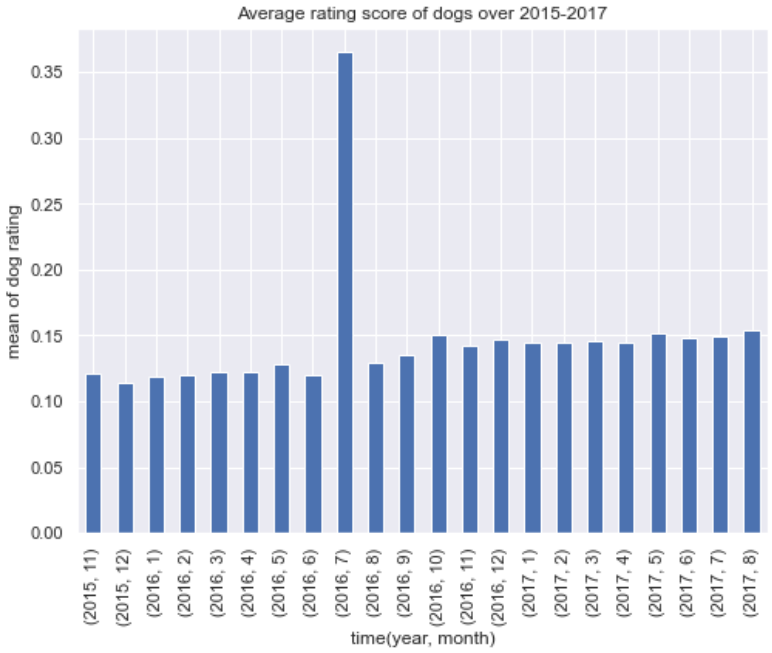

Figure 1Average rating score of dogs

Retweet VS favorite counts

Figure 2 demonstrates the trend of retweeting and most favorite tweets (original). It clear that favorite counts achieve massive growth through 2017 comparing with retweeting counts.

Tweeting sources

The most common source of tweets is demonstrated in figure 3. iPhone appears as the most likely source of tweeting/retweeting in the period 2015-2017. So, why?!!

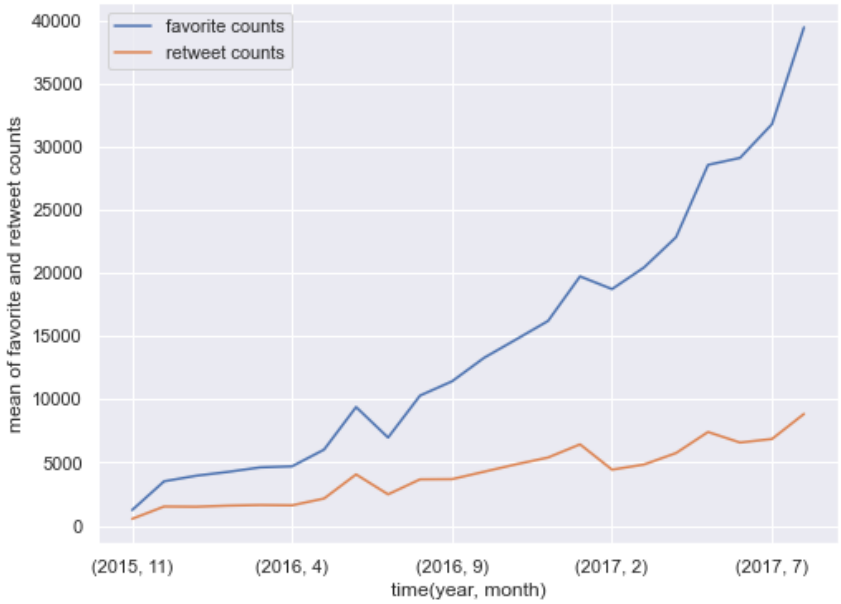

Figure 2 counts of retweeting and likes

Top common dog names

Finally, the names of top popular dogs is represented in figure 4 where “Charlie” is popular name in the world of dogs !. “Oliver” occupies the second rank and so on.

Mean predictions for 3 Algorithms

In figure 5, we observe the average prediction ratios for each dog stage. The first algorithm shows increasing predictions for floofer, pupper, and puppo` which are significantly large comparing with results of 2nd and 3rd algorithms. On the other hand, predictions of 2nd and 3rd algorithm are comparable where algorithm2 exhibits marginal decrement for floofer, pupper, and puppo stage in contract with algorithm1 behavior. Finally, the third algorithm provides fixed level of prediction for all dog stages.

Despite of average predicted value of each algorithm, figure 6 demonstrates the efficiency of each algorithm while predicating dog stage. Algorithm1 and 2 show higher accuracy than the 3rd algorithm for doggo, floofer and pupper which has high peak at floofer. On the other hand, algorithm3 accuracy is improved for puppo. This explain why the third algorithm has the lowest mean of predictions comparing with the other two algorithms.

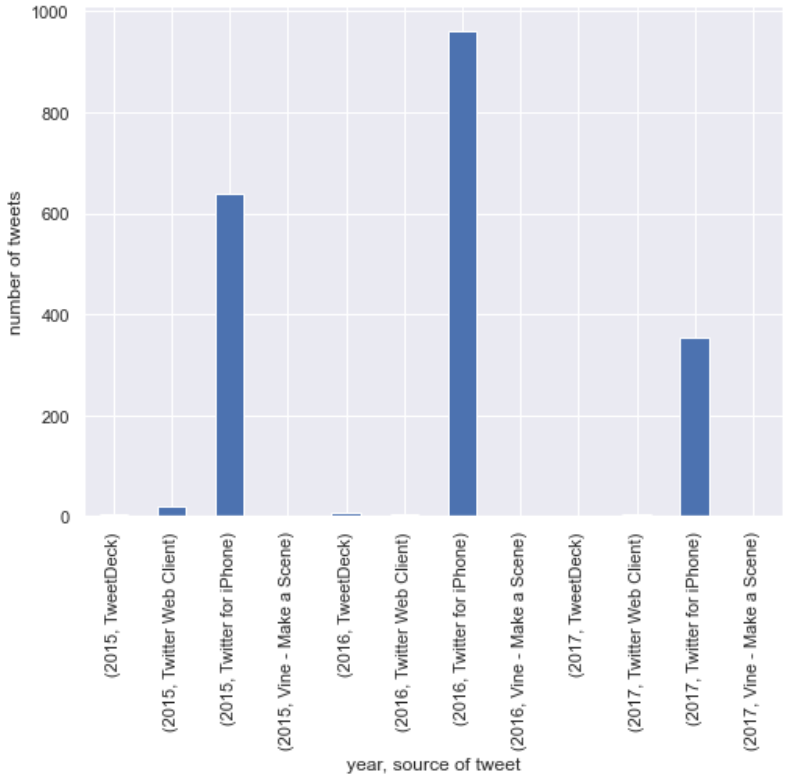

Figure 3 source of tweets

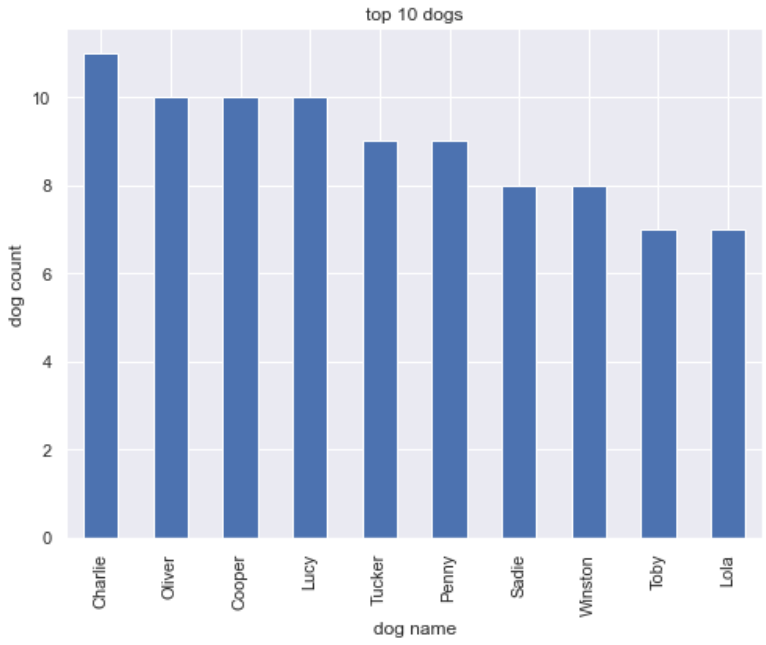

Figure 4 Top popular dogs

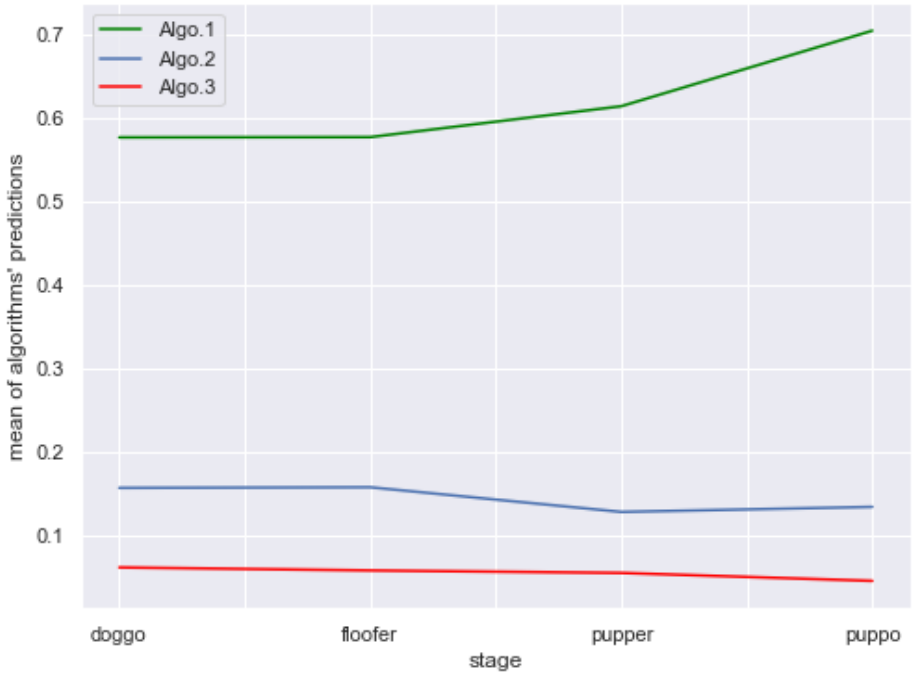

Figure 5 Algorithm predications

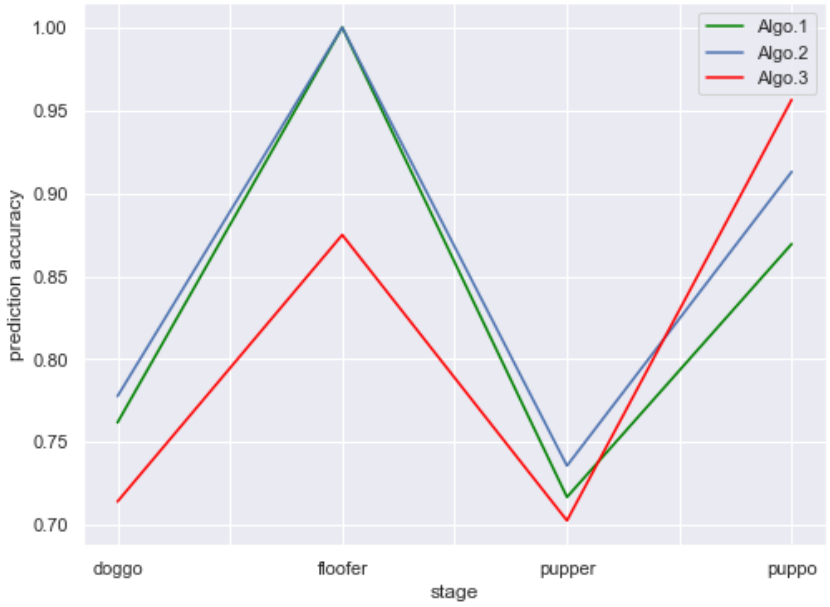

Figure 6 predication accuracy