

Act Report

Now that the data has been cleaned, we can analyze it with confidence. Some interesting insights to look at are:

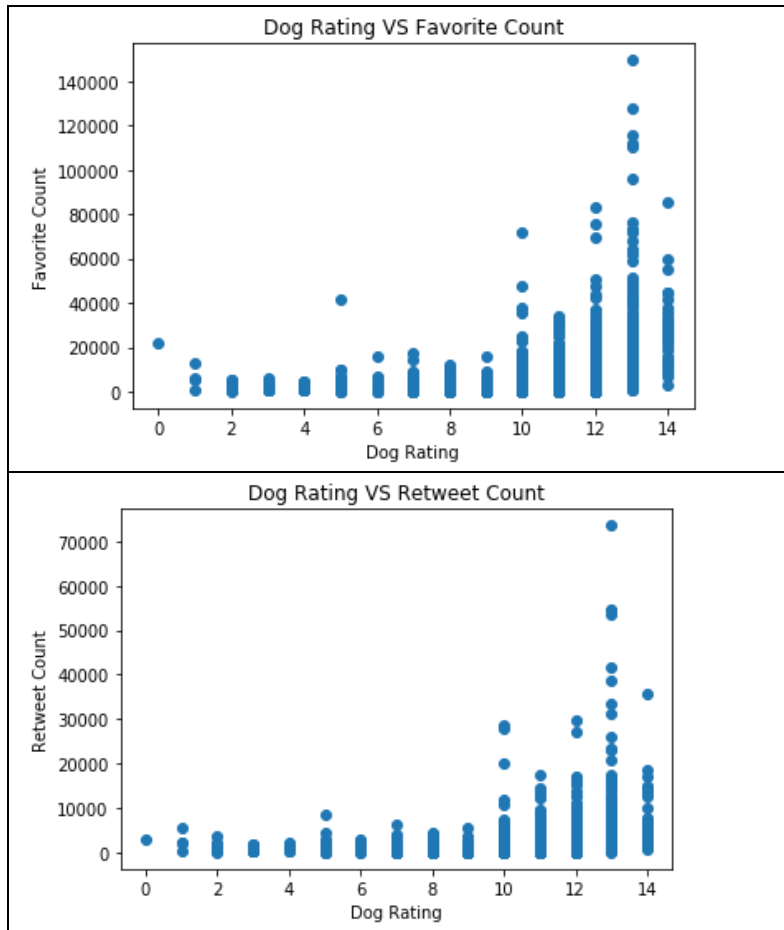
1. Which dog stage is most tweeted?
2. How does the dog rating compare with the favorite count?
3. How does the dog rating compare to the retweet count?
4. How does retweet count compare to favorite count?
5. On average how many favorites to retweets do these tweets get?
6. Create a ratio that measures favorite count to retweet count and plot this versus the dog rating.
7. Does the image prediction confidence have a correlation with how many favorite counts a tweet will get?
8. How does dog stage compare to rating?
9. How does dog stage compare to favorite counts?
10. What is the most favorited tweet?
11. What is the most retweeted tweet?
12. What is the most common breed?
13. How do the rating distributions for the 2 most common breeds compare?

Insight 1

Most tweets did not have a dog stage mentioned, but when there was a mentioned stage the most common is a Pupper with 209 tweets. Followed by Doggos with 62 tweets. Next are Puppos with 23 tweets. Lastly the least common dog stage tweeted are Floofs with only 8.

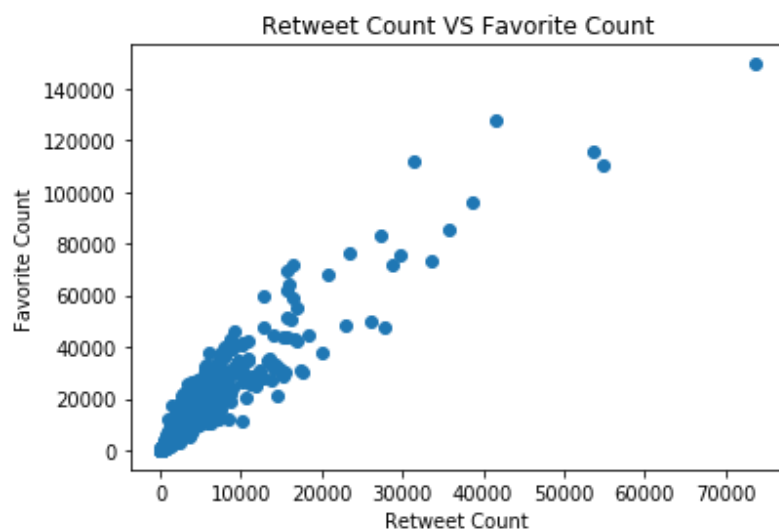
Insight 2

Here we can see the trend is that the higher the rating, the higher the favorite count and retweet count.



Insight 4

We observe there is a positive correlation between the number of retweets to favorite counts. This has an R-squared value of 0.86. From this scatter plot we can see most tweets are within 20,000 retweets and 60,000 favorites. Any tweets outside of this zone can be considered viral sensations.

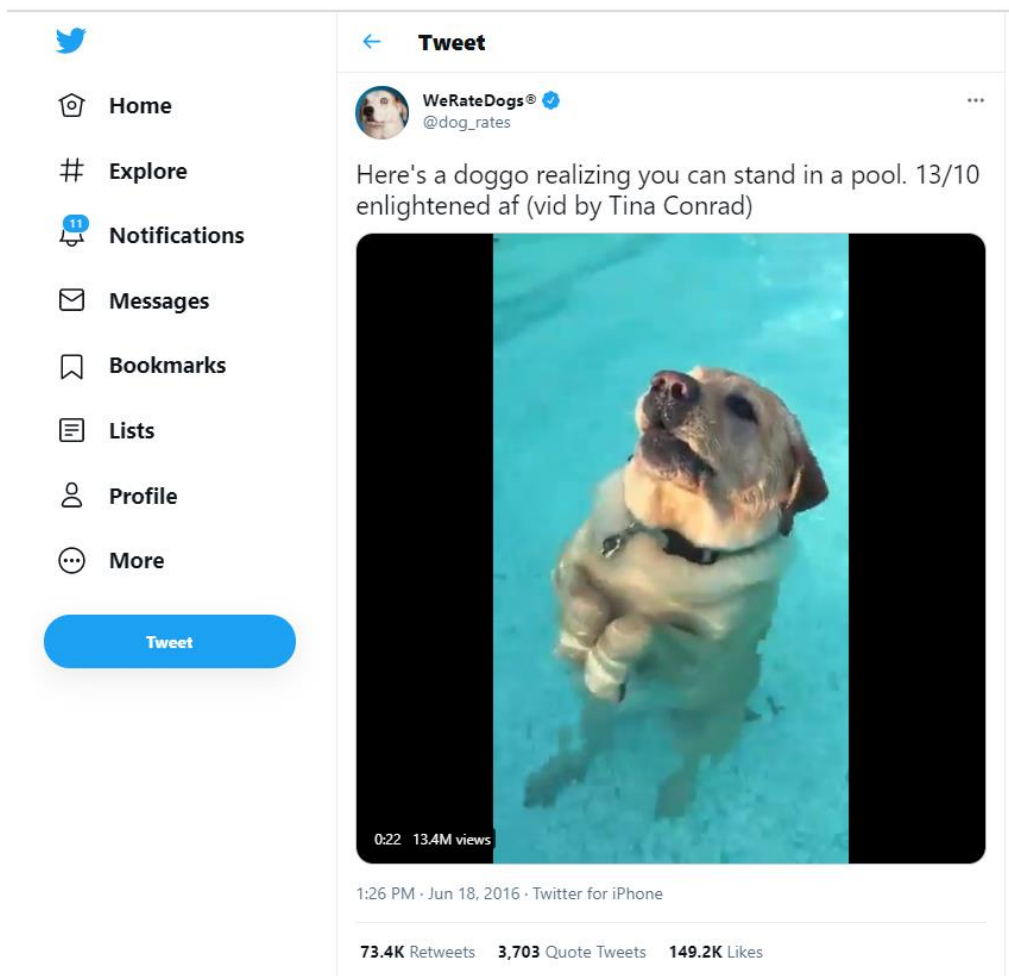


Insight 5

On average, the tweets get 3.54 more favorites to retweets.

Insight 6

The highest favorited tweet and most retweeted tweet is the same tweet, which is a video of a Labrador learning how to swim. It is a doggo with a rating of 13/10. The tweet is [linked here](https://twitter.com/dog_rates/status/744234799360020481). Found at: https://twitter.com/dog_rates/status/744234799360020481



Insight 7

The most tweeted dogs are golden retrievers with 134 predicted using the image prediction neural network. Followed by 89 Labrador retrievers and 89 Pembroke Corgis.