Act Report
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Introduction

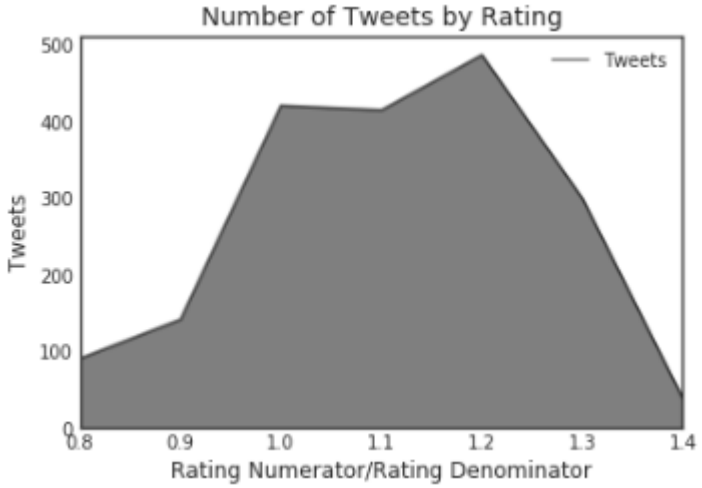
The following is an analysis of the Twitter account WeRateDogs. WeRateDogs is a humorous Twitter account that rates pictures of other Twitter users' canine companions, and typically accompanies the rating with some comedic explanation of the dog's rating. The scores for the dogs are almost always very high, as they are all good dogs. The text of the tweets are generally written as if an actual dog were the author.

Analysis

The purpose of my analysis was to look at the seemingly randomness of the scores given out to the dogs in the tweets. My original assumption was that all of the dogs were given a very high score of at least a 10/10, while most would fall in the range of 11/10 to 14/10, and that these scores would not necessarily translate to increased popularity, via retweets and favorites from other users. I assumed that the popularity of the tweets would be fairly flat and even, after all, they are *all* good dogs.

Tweets per Rating

The first thing I did was group tweets into the most common ratings. I eliminated a large number of outliers so my dataset only looked at the most common ratings of the dogs. The majority of rankings fall between the 8/10 to 14/10 range.

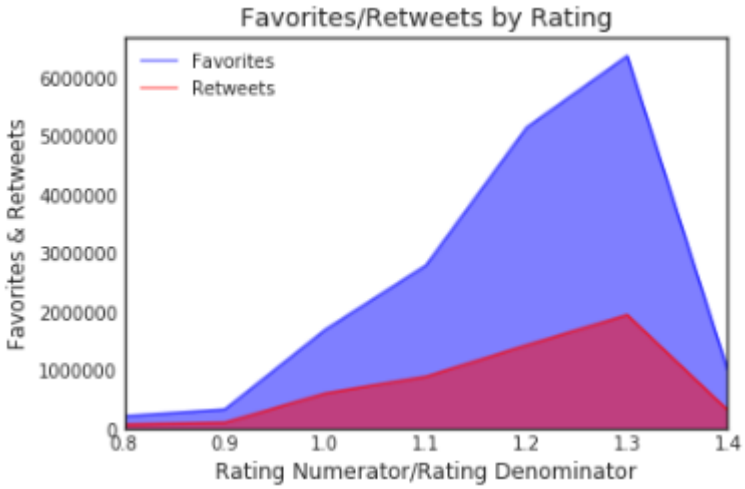


We can see here that 12/10 is the most frequently used rating published by the author. 10/10 and 11/10 ratings were fairly equal in frequency and were both just behind 12/10 for the most common rating.

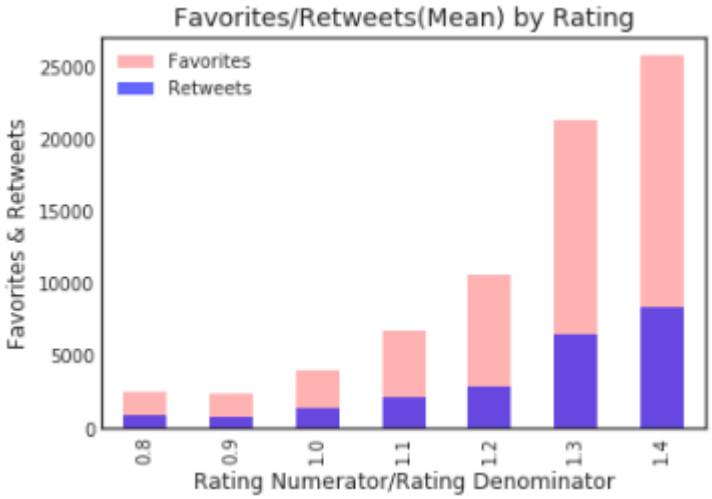
The next thing I wanted to find out was if there was any correlation between the popularity of the tweet and the rating of the dog in the tweet.

Tweet Popularity

I measured the popularity of the tweets by the number of favorites and retweets that the tweet received.



Here we can see that there actually is a strong correlation between the ratings of the dogs and the popularity of the tweets. This seems like it would make a lot of sense, but I was surprised that my original assumption was completely wrong, and the ratings are not completely random. The two graphs show that even though there are almost twice as many 12/10 tweets as 13/10 tweets, the number of retweets and favorites for 13/10 ratings is much higher.



In the graph above we can see an even clearer picture of the popularity of tweets by rating. Although the number of 14/10 ratings are very low, the average popularity of these tweets is the highest of all the different ratings.

Conclusion

I was very wrong. It appears the ratings aren't random at all. They're all good dogs, but apparently some are better than others.