

# Act report

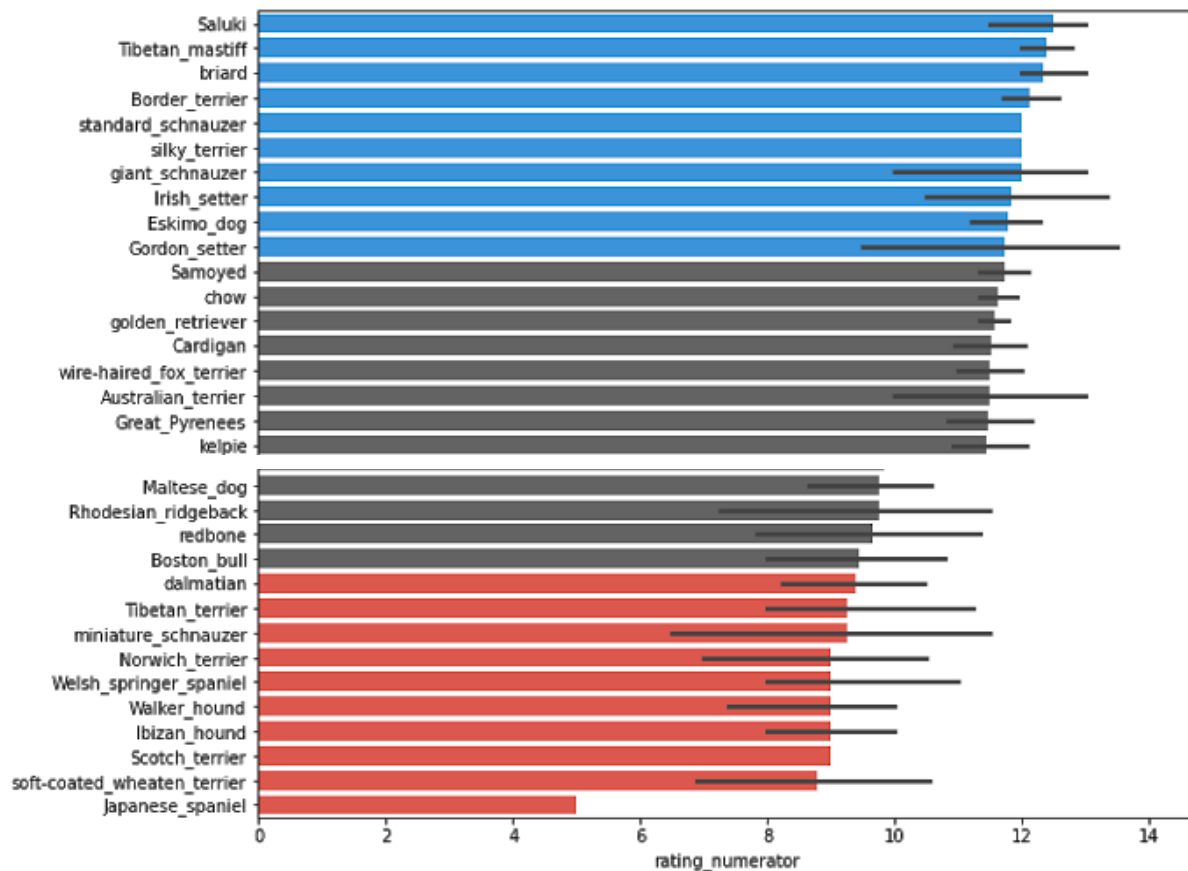
## Insight 1. Which breeds are received good ratings?

Based on the average ratings of each breed, top 10 group and bottom 10 group are identified as below bar chart. I also investigate the distribution of ratings in the top 10 and bottom group dogs (histogram). Based on the histogram, the dogs in the top 10 group mostly get better grades than the dogs in the bottom 10 group.

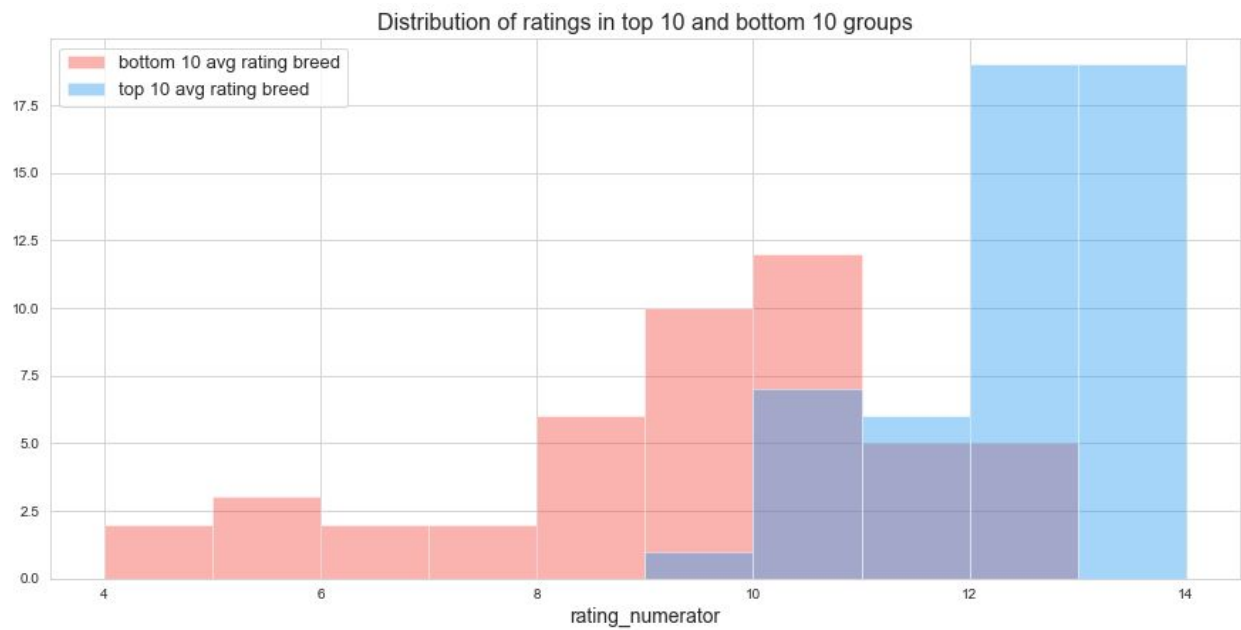
Top 10: 'Saluki', 'Tibetan\_mastiff', 'briard', 'Border\_terrier', 'standard\_schnauzer', 'silky\_terrier', 'giant\_schnauzer', 'Irish\_setter', 'Eskimo\_dog', 'Gordon\_setter'

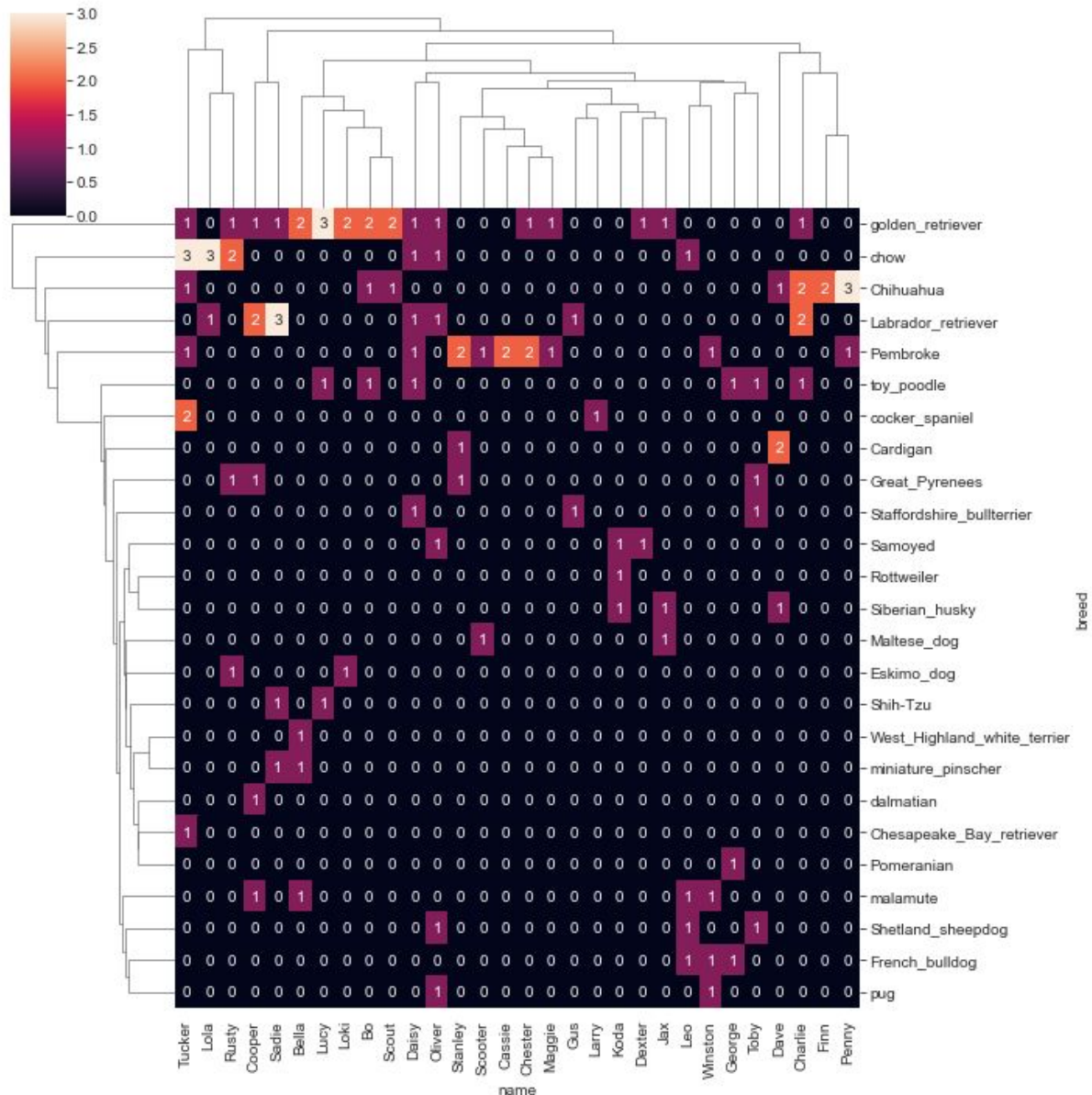
Bottom 10: 'Japanese\_spaniel', 'soft-coated\_wheaten\_terrier', 'Scotch\_terrier', 'Ibizan\_hound', 'Walker\_hound', 'Welsh\_springer\_spaniel', 'Norwich\_terrier', 'miniature\_schnauzer', 'Tibetan\_terrier', 'dalmatian'.

Picture 1. Average rating of each breed



Picture 2. Distribution of ratings in the top 10 and bottom 10 groups

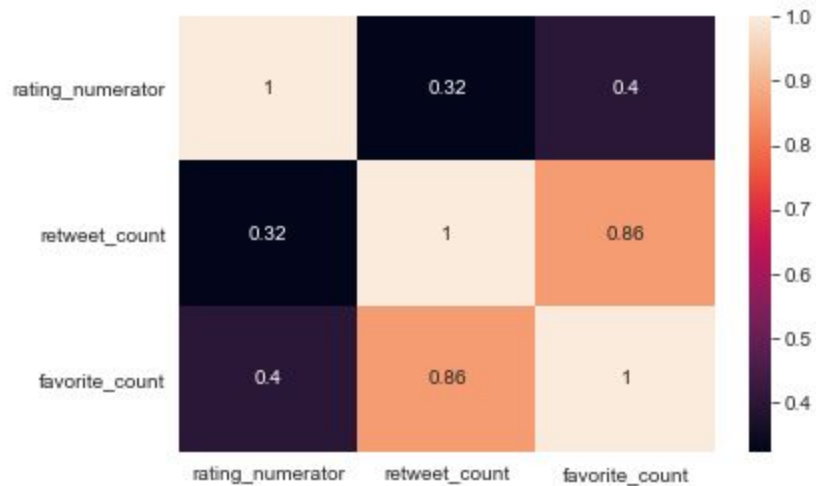




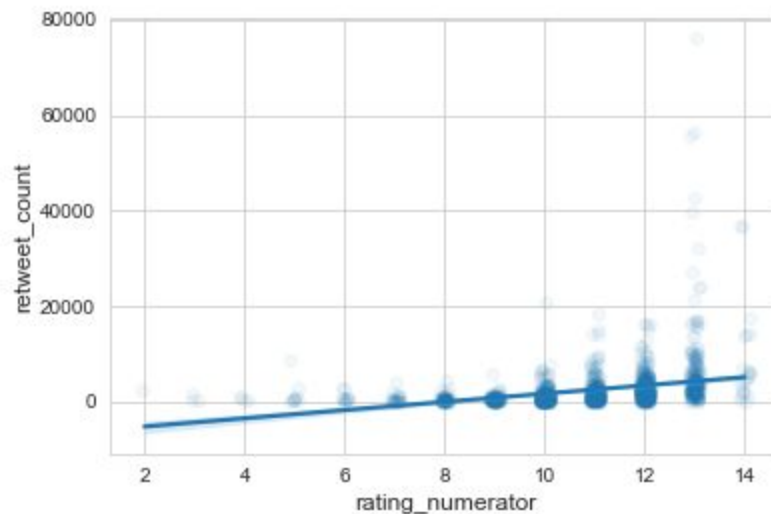
### Insight 3. How are the ratings, retweet counts, and favorites counts correlated with each other?

'retweet\_count' and 'favorite\_count' have weak positive correlations with 'rating'. However, there is a strong correlation between 'retweet\_count' and 'favorite\_count',

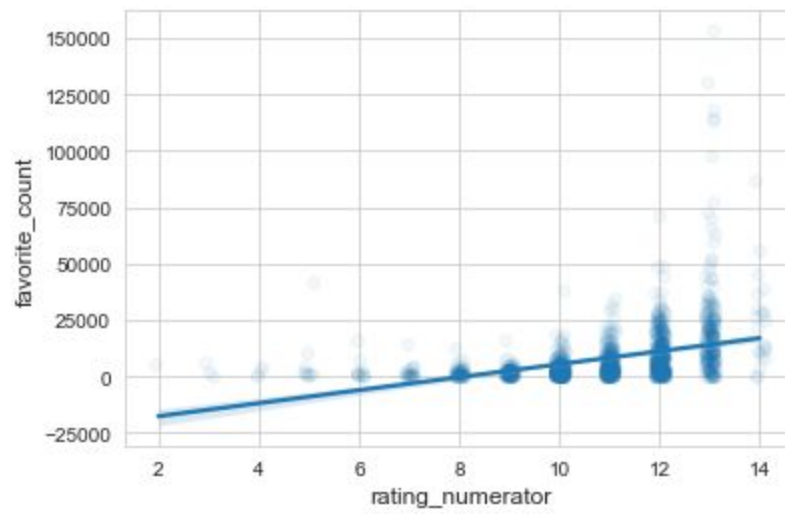
Picture 4. Scatter plot between rating\_numerator and retweet\_count



Picture 5. Scatter plot between rating\_numerator and retweet\_count



**Picture 6. Scatter plot between rating\_numerator and favorite\_count**



**Picture 7. Scatter plot between retweet\_count and favorite\_count**

