act_report

August 29, 2022
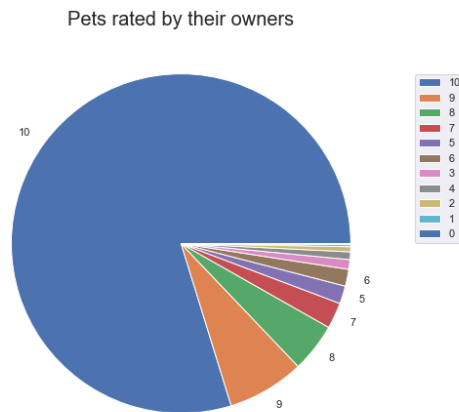
What can we learn from analyzing WeRateDogs on Twitter?

0.0.1 1) We think our dogs are the best

After anylizing over 2000 tweets from Twitter's hastag @dog_rates, the conclusion can be only one. We think our dogs are the cutiest, the funiest, simply the best (wink wink to all the Tina Turner's fans). As we can see from the graphic below, which depicts standardized ratings that their owners give to their pets, most of us rate our pets 10 out of 10 (over 75% of the date). Unsuprisingly, the second most common answer is 9 out of 10. Then 8, 7, 6, 5... Hopefully, you see the trend by now.

```python
[2]: from IPython.display import Image
     Image(filename='piechart.png')
```
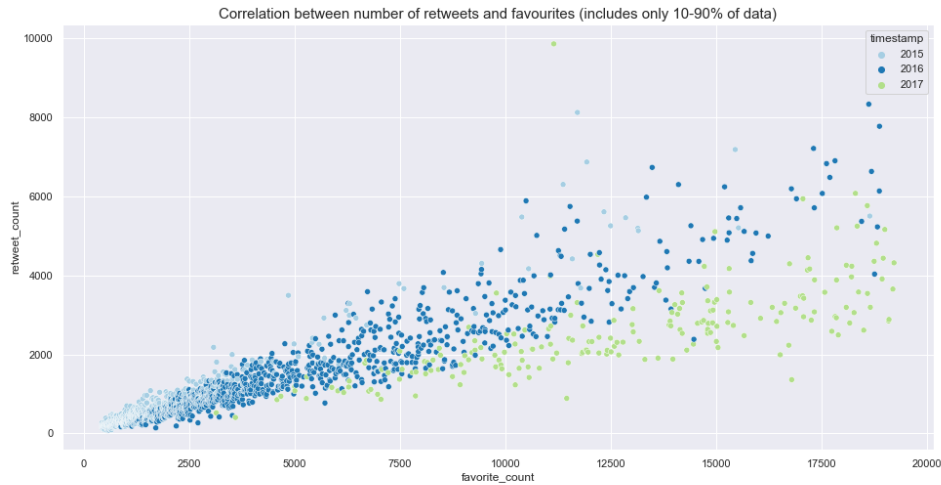
[2]:

0.0.2 2) To get more retweets, get more favorites; to get more favorites, get more retweets

The second insight from the analysis is that there is a clear positive linear correlation between number of favourites that a tweet get and number of retweets. The more favourites you get, the more likely you will have more retweets and vice versa. Clearly seen on the graph below:

```
[3]: Image(filename='scatterplot.png')
```
[3]:

Correlation between number of retweets and favourites (includes only 10-90% of data)

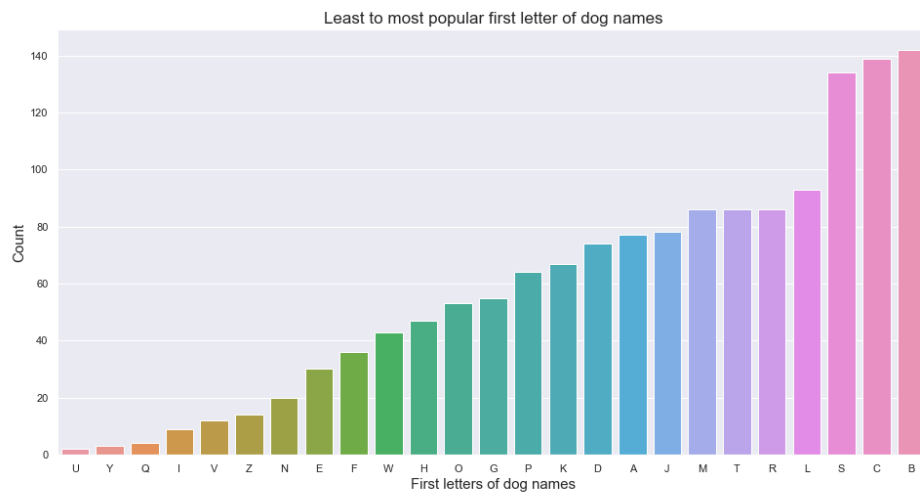The above chart also reveals an interesint insight. The newer the tweet, the more likely it will have more favourites. What might be potential casues? Twitter getting more popular, @dog_rates getting more popular, people give away favourites more easily, or it's just easier to favorite the tweet and not commit as much as retweeting? Well, those are just speculations, more data is needed to decide. This might be an interestring qustion to answer in the next project ;)

0.0.3 3) How we like to name our pets?

Finally, the last graph shows that we are more likely name our dogs with B, C or S, and less likey with U, Y, Q. It makes sense as there are probably fewer starting words with U, Y and Q.

```
[7]: Image(filename='barplot.png')
```
[7]:

Least to most popular first letter of dog names

0.0.4 Personal summary

I think i can relate with the findings, as I would also rate my dog 10/10, its name start with C and hopefully if I put it on @dog_rates I would get a lot of favorites and retweets (remember positive linear correlation)!