act_report

September 16, 2022

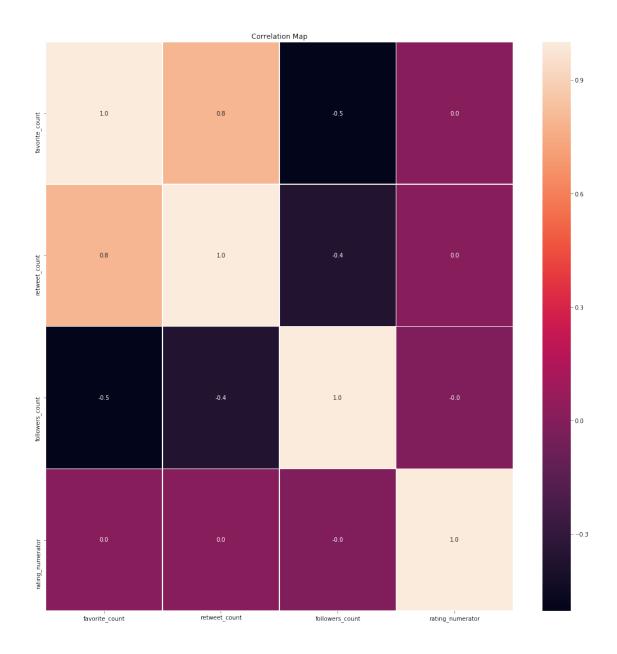
0.1 Report: act_report

```
In [2]: # Importing relevent libraries for visualization.
    import pandas as pd
    import seaborn as sns
    import matplotlib.pyplot as plt
    %matplotlib inline
```

The shift from traditional way of doing things from shopping, communication and even travelling, to the new Digital world made loads of data to be easily collected. But the sad part is that most if not all this collected data is not clean, and it is our task to clean it in order to take advantage and use it to find useful insights.

The original data came from different sources and file formats but, after performing all the teps of the data wrangling of the dataset from a Twitter page that rate dogs and then share mostly harilious comments, the master dataframe was achieved with more tidy and clean attributes and structure. After analysis some insights were found and below are the visualization to some of the insights.

0.1.1 Correlation between variables

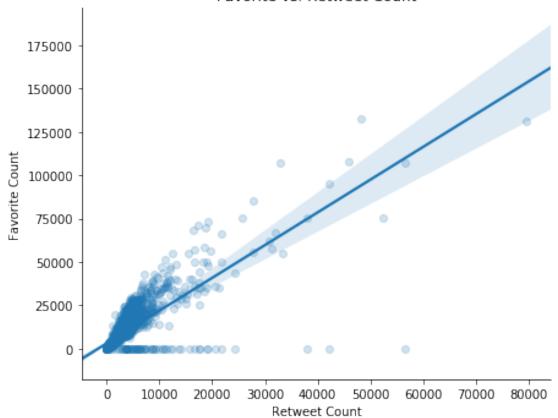


There is a strong correlation between favorite count and retweeted count, and that means 'liked' tweets were also retweeted.

0.1.2 Retweet vs Favorite count

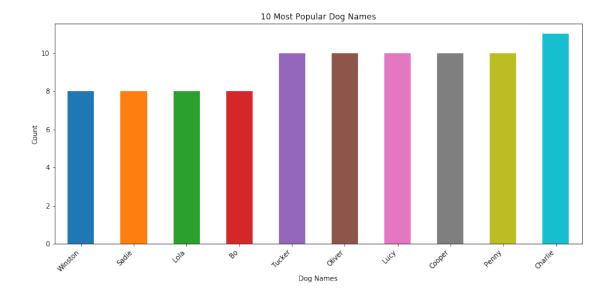
```
plt.title('Favorite vs. Retweet Count')
plt.xlabel('Retweet Count')
plt.ylabel('Favorite Count');
```





There is a clear and visible corelation between Favorite count and retweeted count, and that backs the correlation heatmap.

0.1.3 Ten most popular Dog names



Charlie is the most popular dog name

0.1.4 Conclusion

Lot of insights and questions can be addressed from the cleaned dataset, and above is the few from many beautiful visualiations that can be used for conclusions. And without the cleaned dataset it is impossible to achieve these quality visualizations and insights and hence that tells us the importance of the data wrangling stage in a project. By doing more of data wrangling these can be improved as there is still lot of issues that can be addressed on the data, especially variables that were not relevent for this specific type of project.