



ACT REPORT

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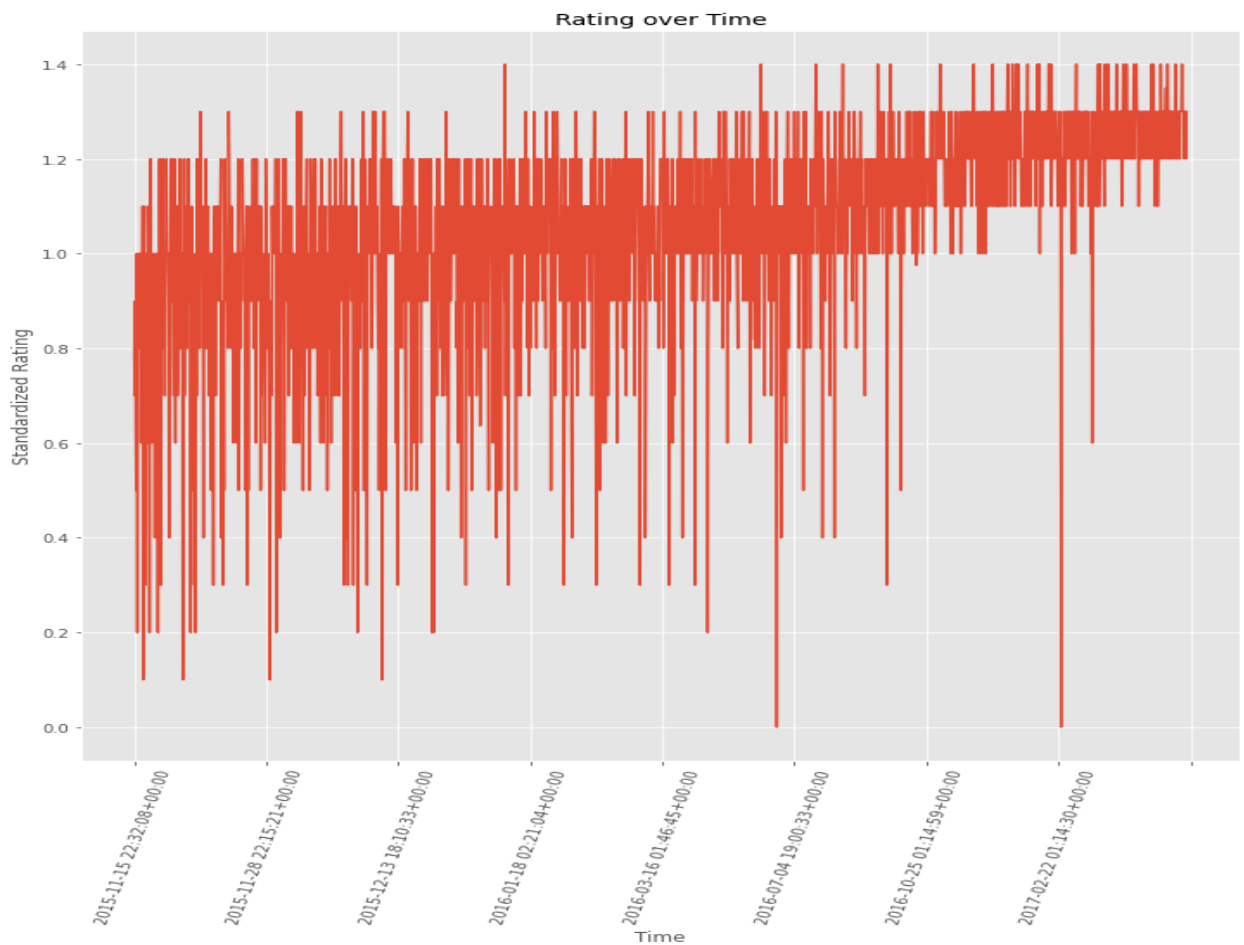
Executive Summary

The wrangled datasets were then merged and cleaned to draw insights from them. The information derived from them were, the ratings over time, the favorite counts vs the retweet counts, most common dog stage, most common dog names, common dog types, and an image prediction of a dog type with its rating and dog stage as parameters.

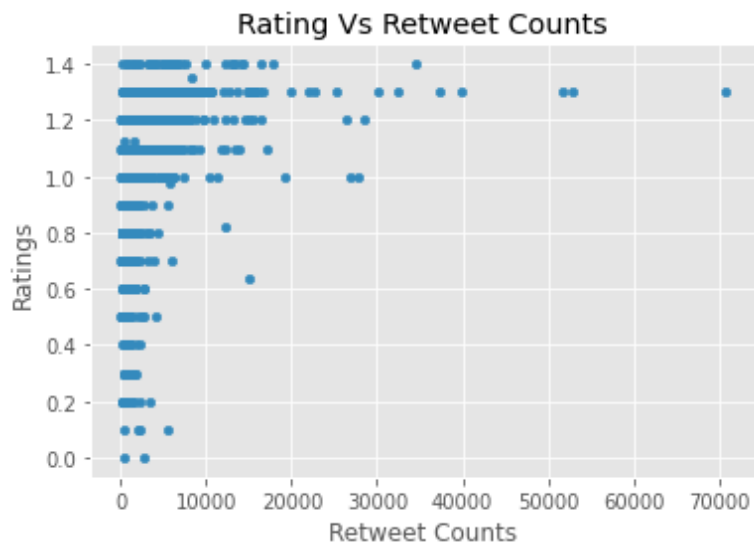
Insights from the wrangled datasets

The datasets were wrangled and interesting information were derived from it.

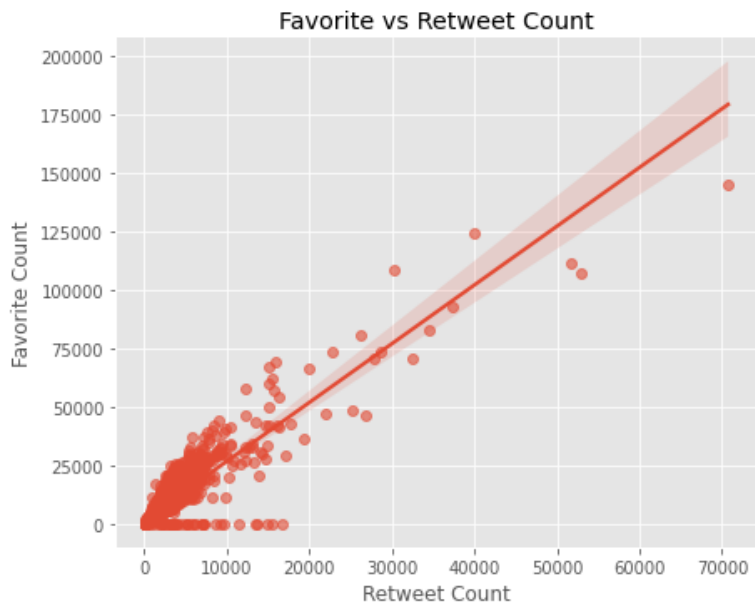
1. **Rating over time:** The dog rating over time did not have constant change as it fluctuates. Thus time was not proportional to the ratings as the ratings were independent of time. Below is the chart representing the relationship between the two.



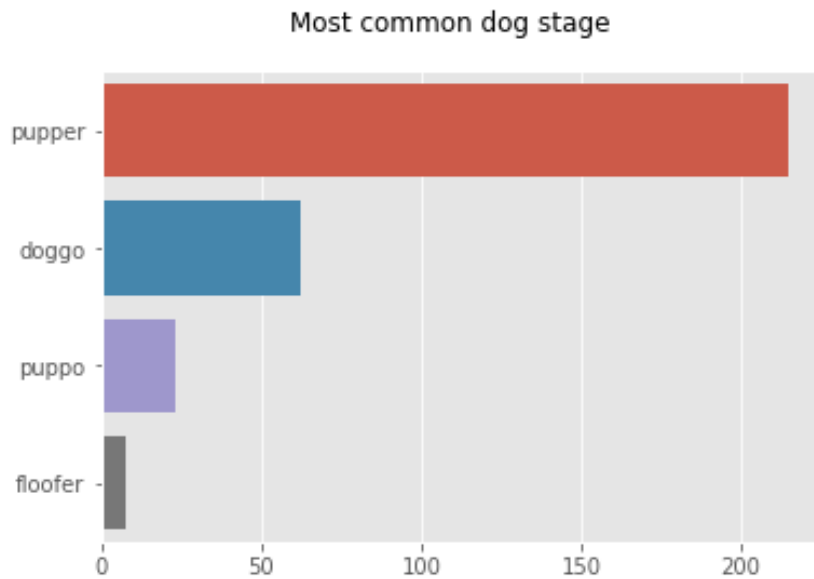
- 2 **Ratings vs Retweets:** The wrangled data showed significant increase in ratings as the retweets increased. The rating 1.3 had the highest number of retweets counts and highest number of rating.



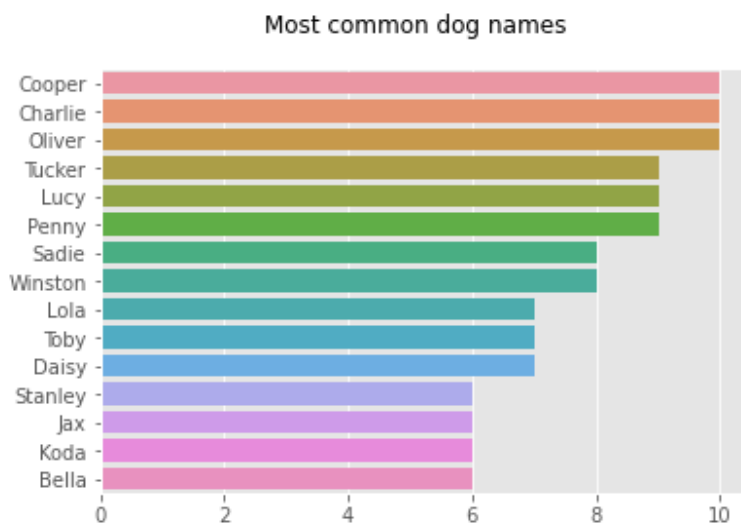
- 3 **Favorite vs Retweet Count:** In this dataset, the favorite counts were directly proportional to the retweets. As the retweet counts increased so also did the favorite counts.



- 4 **Most Common Dog Stage:** There are four dog stages, the most common dog stage is the pupper stage.

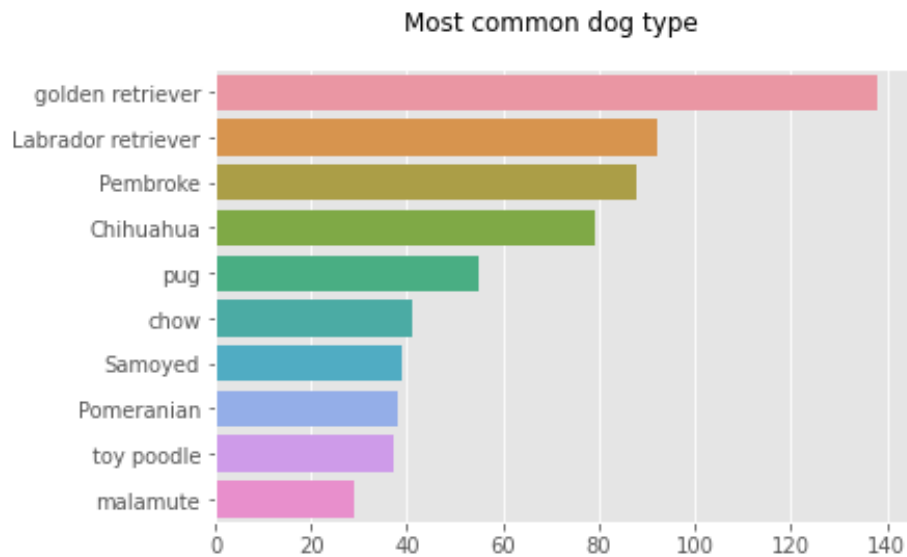


- 5 **The Most Common Dog Names:** Fifteen most common dog names were determined here.

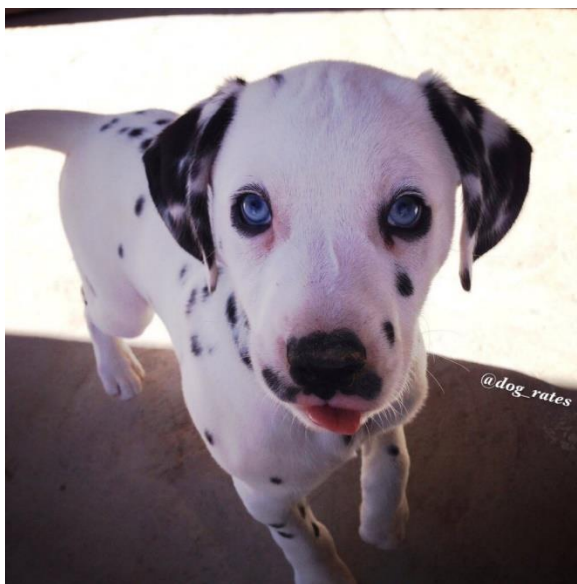


There were Cooper, Charlie, Tucker, Lucy and Penny.

6. **The Most Common Dog Types:** The most common Dog types were Golden Retriever, Labrador Retriever, Penbrooke and the Chihuahua.



- 7 **Sample prediction by image prediction model:** Here a dog with rating greater than 1.0 in the pupper stage with one of the common names such as Cooper was used to predict the image of the dog.



Conclusion

In this project, insights were drawn from the three datasets after they were merged into one and then cleaned.

They were the ratings over time, the favorite counts vs the retweet counts, most common dog stage, most common dog names, common dog types, and an image prediction of a dog type with its rating and dog stage as parameters.

- In the rating over time, the ratings was independent of the time.
- The favorite counts were directly proportional to the retweets counts.
- The most common dog stage was the pupper stage.
- The most common dog name was Cooper followed by Charlie.
- The most common dog type is the golden retriever.