

# **WeRateDogs - Analysis and Visualisation Report**

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**July, 2022**

## **Introduction**

WeRateDogs is a Twitter account that rates pictures of dogs twitter by tweeps. This rating is made as a comment of the posted pictures. This is a report based on analysis performed on the tweet archives of WeRateDogs tweets as at 1st August, 2017.

## **Objective**

Analysis and visualisation was done so as to answer some questions and also get insights on trends .

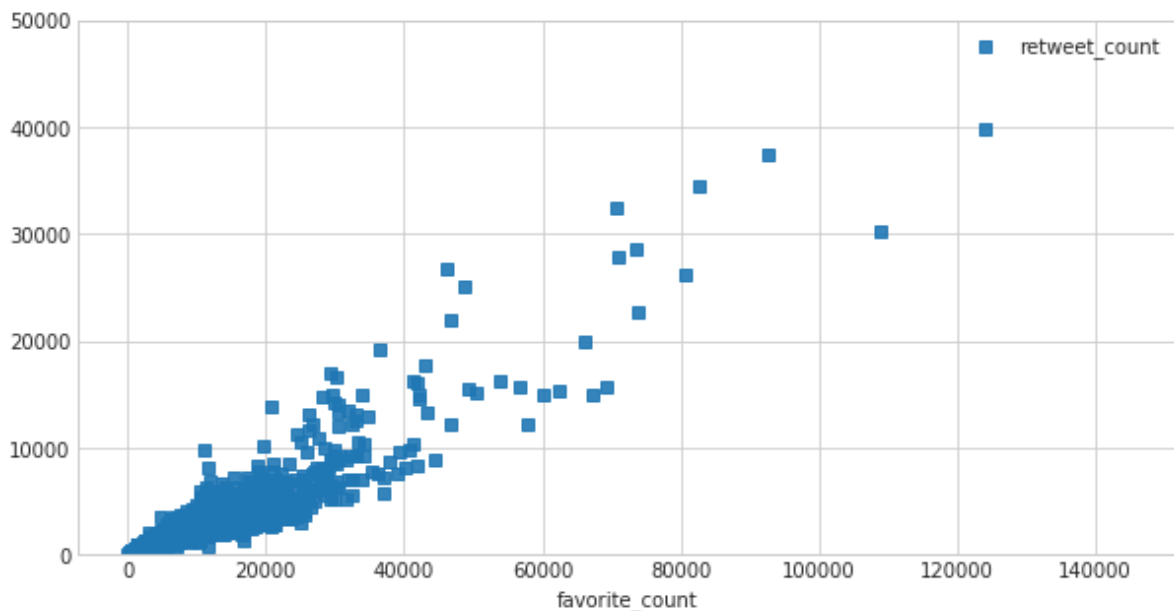
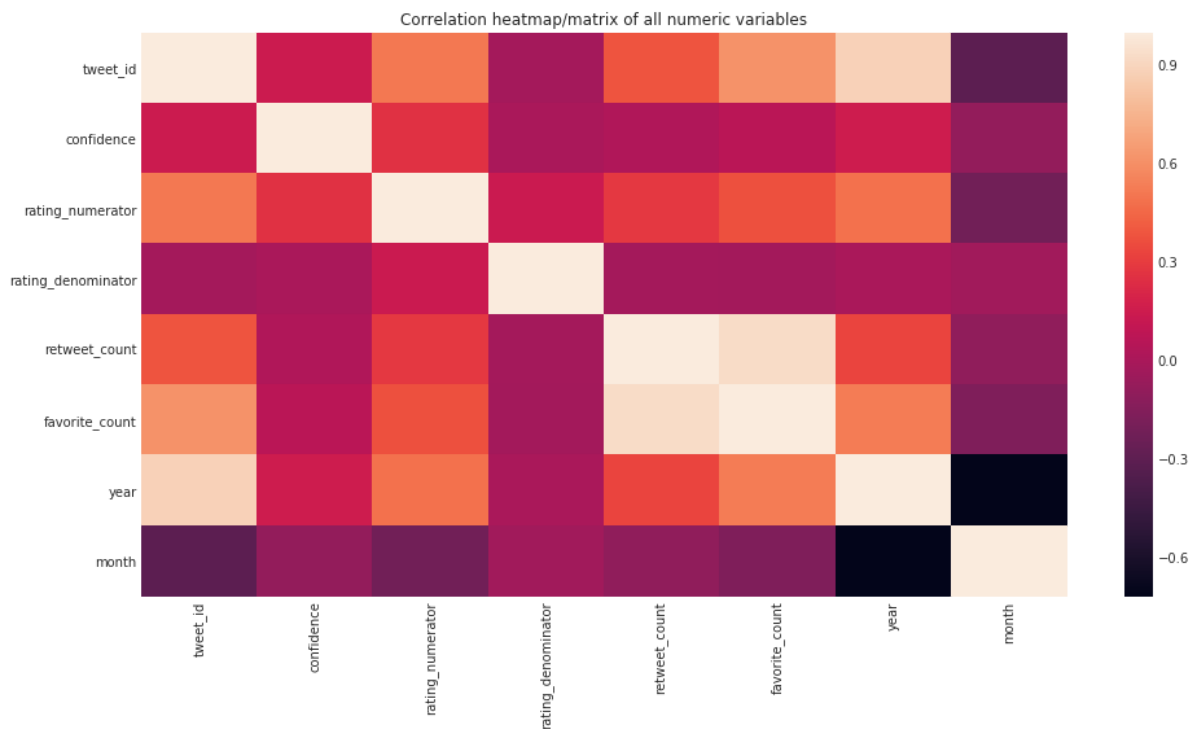
The questions that motivated this analysis are as listed below:

1. Is there any relationship between Retweets and Favorites?
2. What are the Top 10 Dog Breeds?
3. What are the Top Dog Stages?
4. What dog breed scored the most confidence score?
5. What month did people tweet the most?
6. Has engagements declined over the years?
7. What are the top 10 Dog Names ?

The **visualisation** below served as a pointer to the answers to the above question.

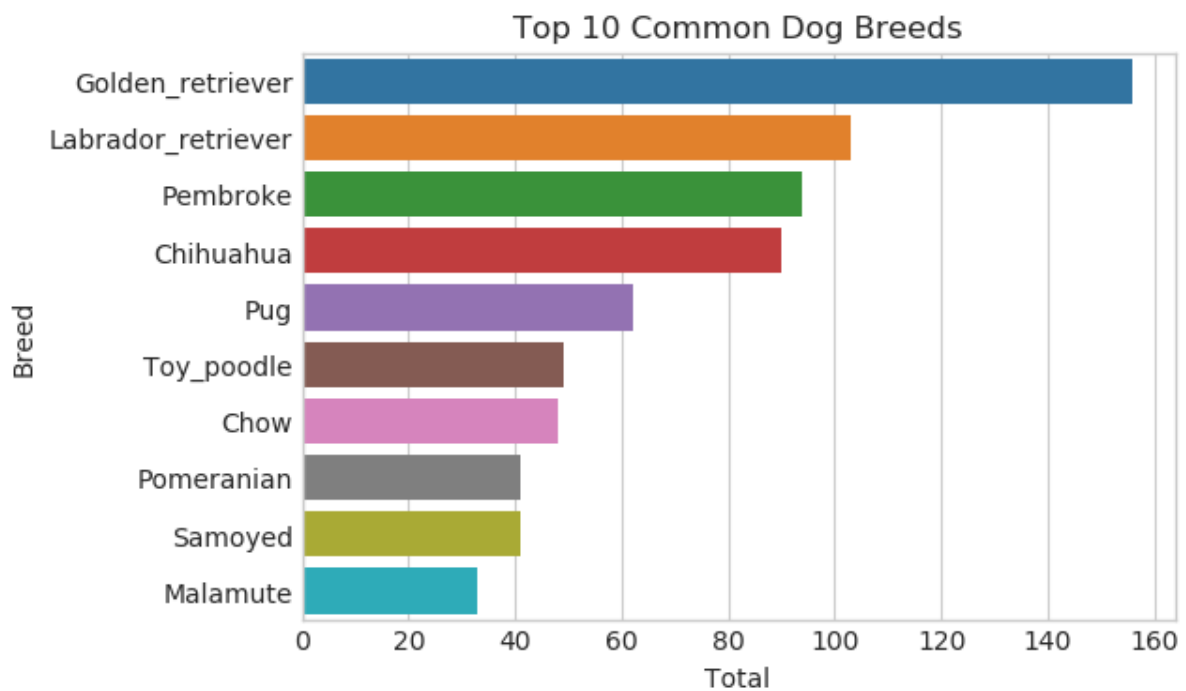
## Visualisation

### 1. Is there any relationship between Retweets and Favorites?



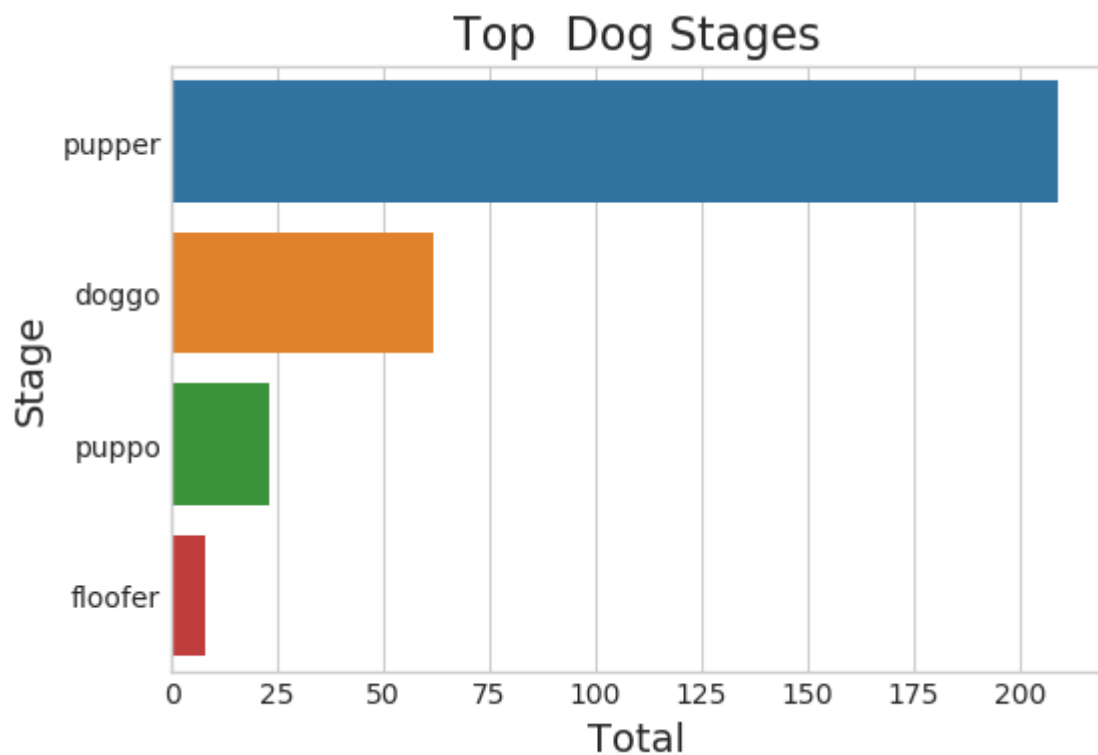
**Ans:** The charts above reveals that there is a strong positive correlation between **Retweets** and **Favorites**. This is why the higher the retweet count, the higher the favorites count and vice versa .

## 2. What are the Top 10 Dog Breeds?



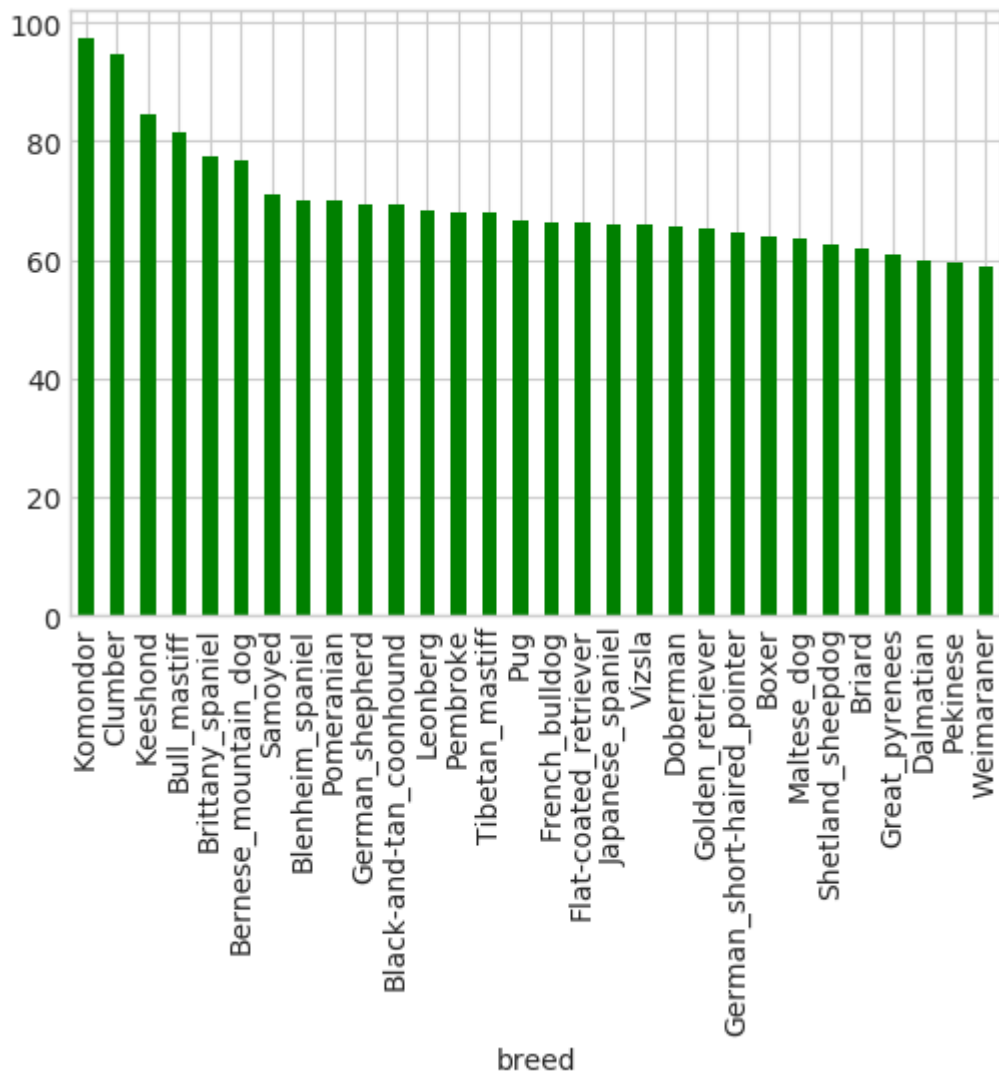
**Ans:** The horizontal bar chart shows the top 10 dog breeds with Golden retriever coming tops.

## 3. What are the Top Dog Stages?



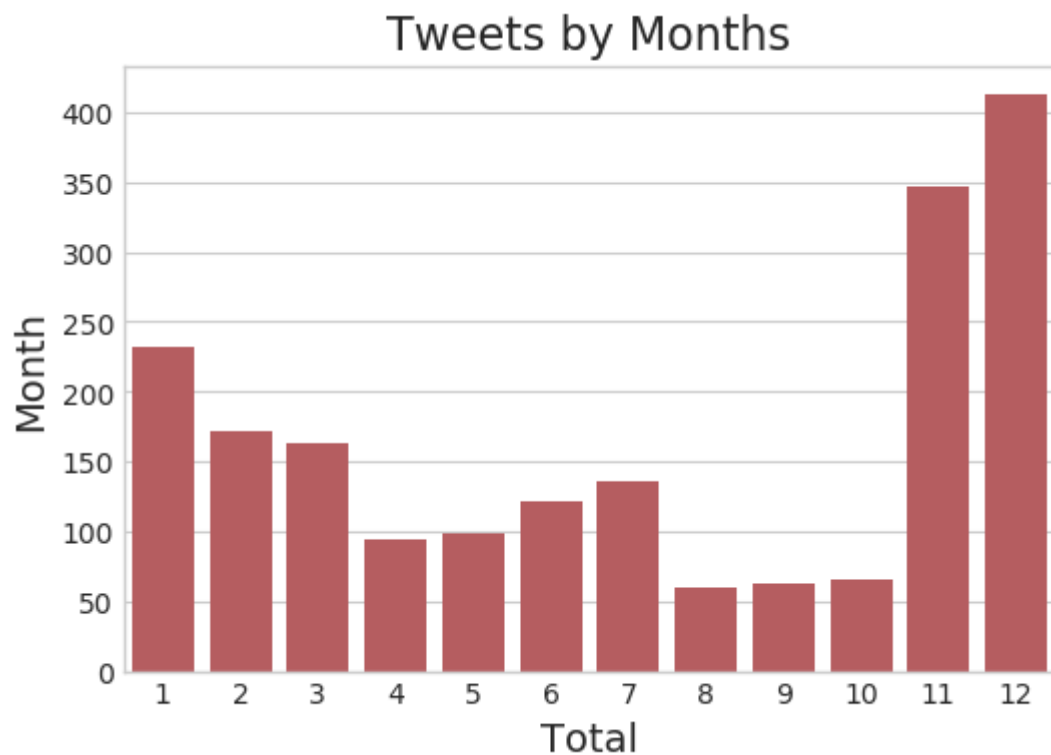
**Ans:** As seen above, Pupper ranks No1 amongst other dog stages.

4. What dog breed scored the most confidence score?



**Ans:** Komondor scored the highest confidence mark.

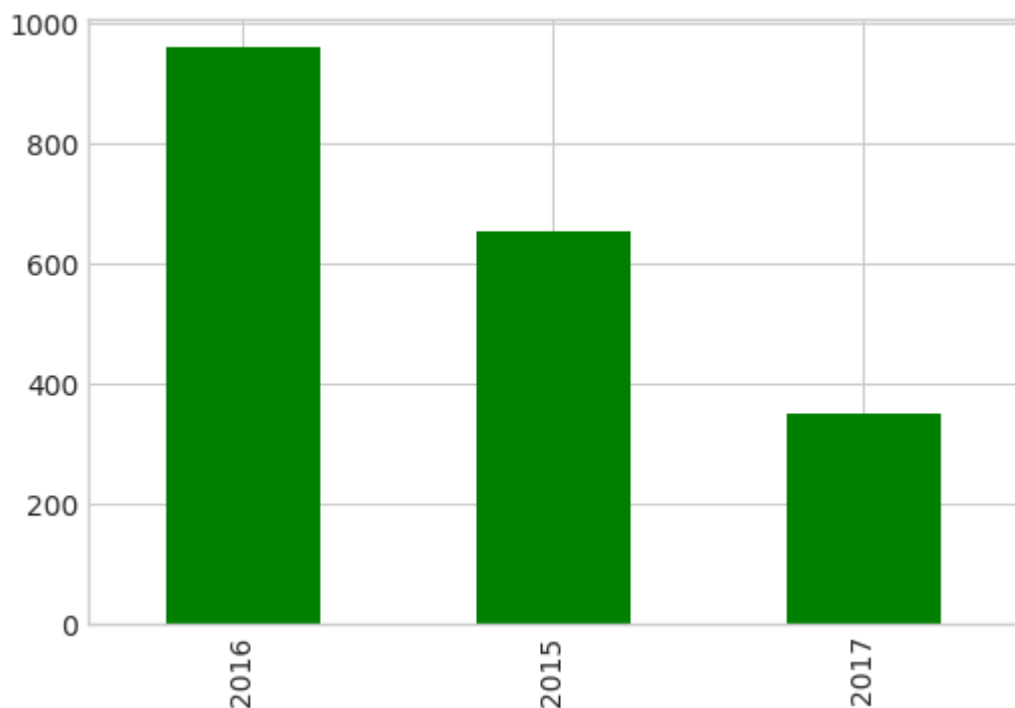
5. What month did people tweet the most?



**Ans:**

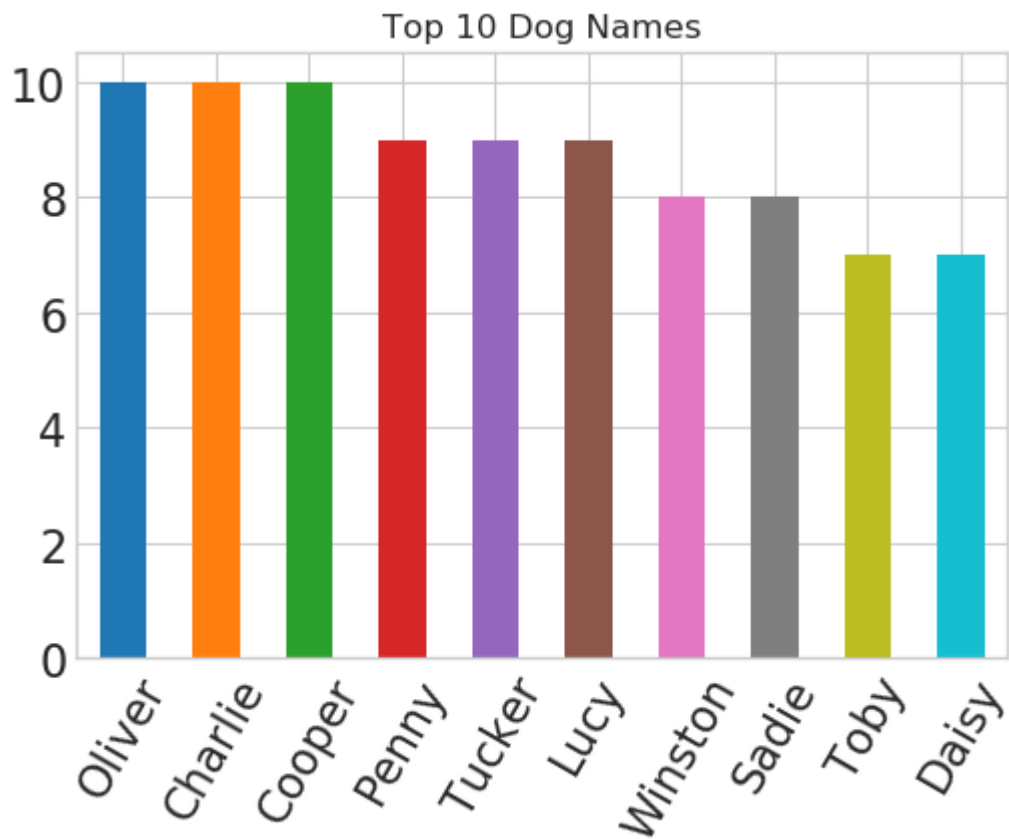
December

6. Has engagements declined over the years?



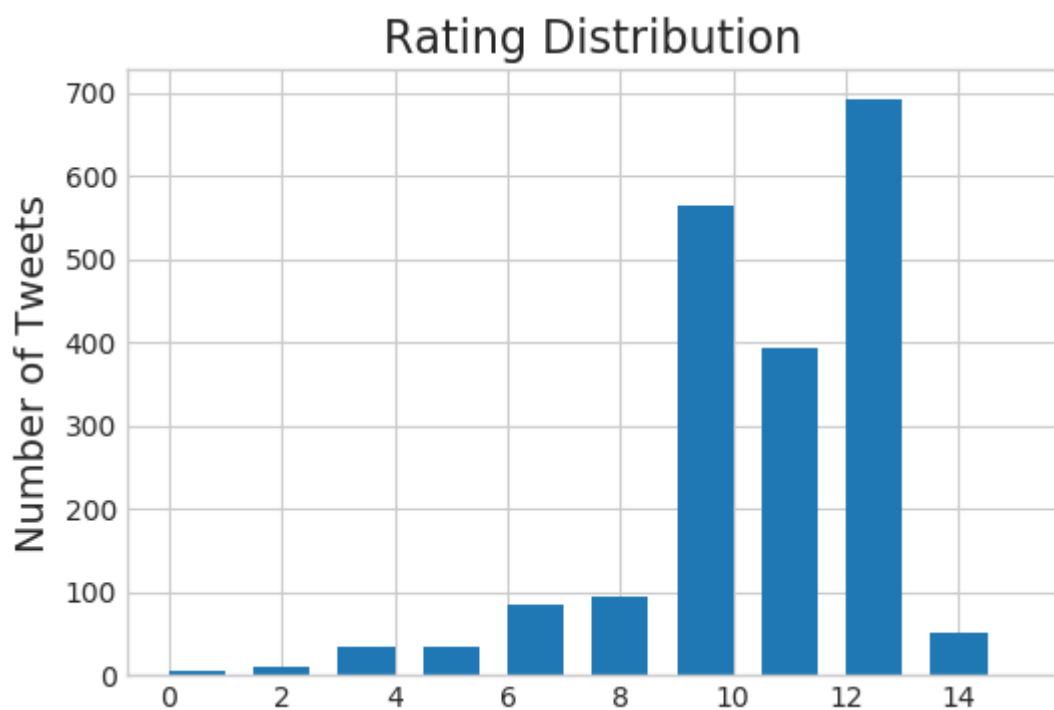
**Ans:** Yes, engagement has declined over time.

7. What are the top 10 Dog Names ?



**Ans:** Oivia

**Extra Diagrams**



## Insights

After running analysis and generating visualisations using visualisation libraries like matplotlib and seaborn, insights were obtained.

They are as follows

1. There is a strong positive correlation between Retweets and Favorites. So the higher the retweets , the higher the favorites and in this case, both the retweets and favorites have weakened over time
2. The chat above indicates that people are most likely to post a tweet between November and December, which are winter months. This is to say that Tweepers engage more when indoors or in colder months
3. Tweepers prefer posting pictures of Puppies.
4. Tweets and tweet engagement has dropped over years