

# WeRateDogs Twitter Archive - Act Report

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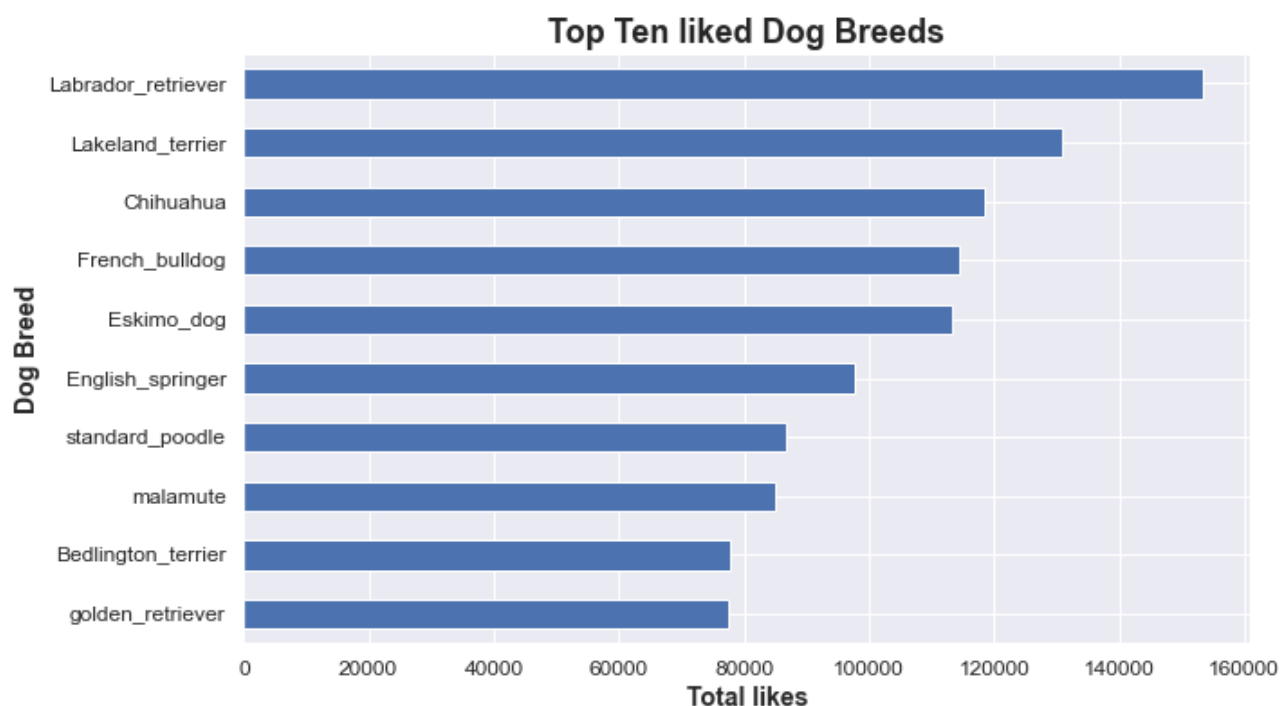
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WeRateDogs is a Twitter account for rating cool dog's images with humorous comments. Images are rated on a scale of 1 to 10, but the given ratings can exceed the maximum, such as "15/10". WeRateDogs is wildly-successful and popular around the world, thus it is considered one of the reliable sources of dog's data involving the tweets of the dog's image ratings, and comments.

In this analysis, the data of WeRateDogs archive were gathered from three sources, assessed, cleaned, and simply analyzed to explore some insights

## 1- What are the top ten liked dog breeds?!

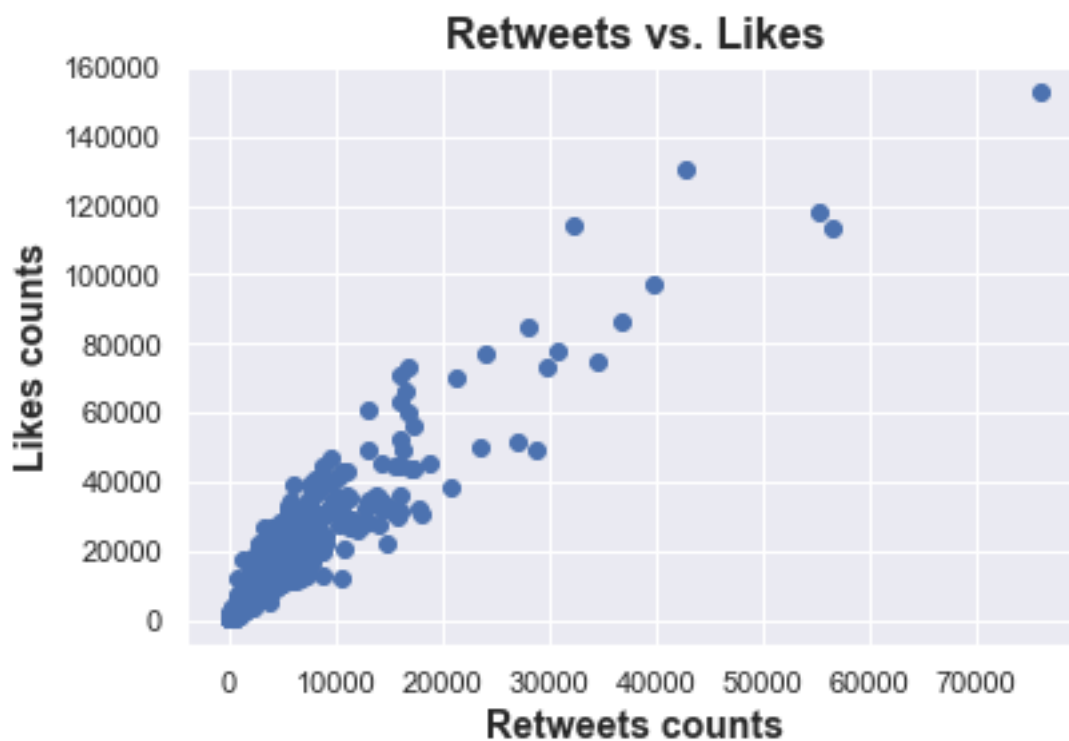
As all wondering what is the most liked dog's breed, here comes the importance of data analysis. When collecting the data of favorite counts and sorting it descending, it becomes clear that Labrador retriever breed is the most liked breed of dogs followed by Lakeland terrier breed as shown in following figure:



Concerning to the flow of retweets and likes of the dog's images, it was logically to think about:

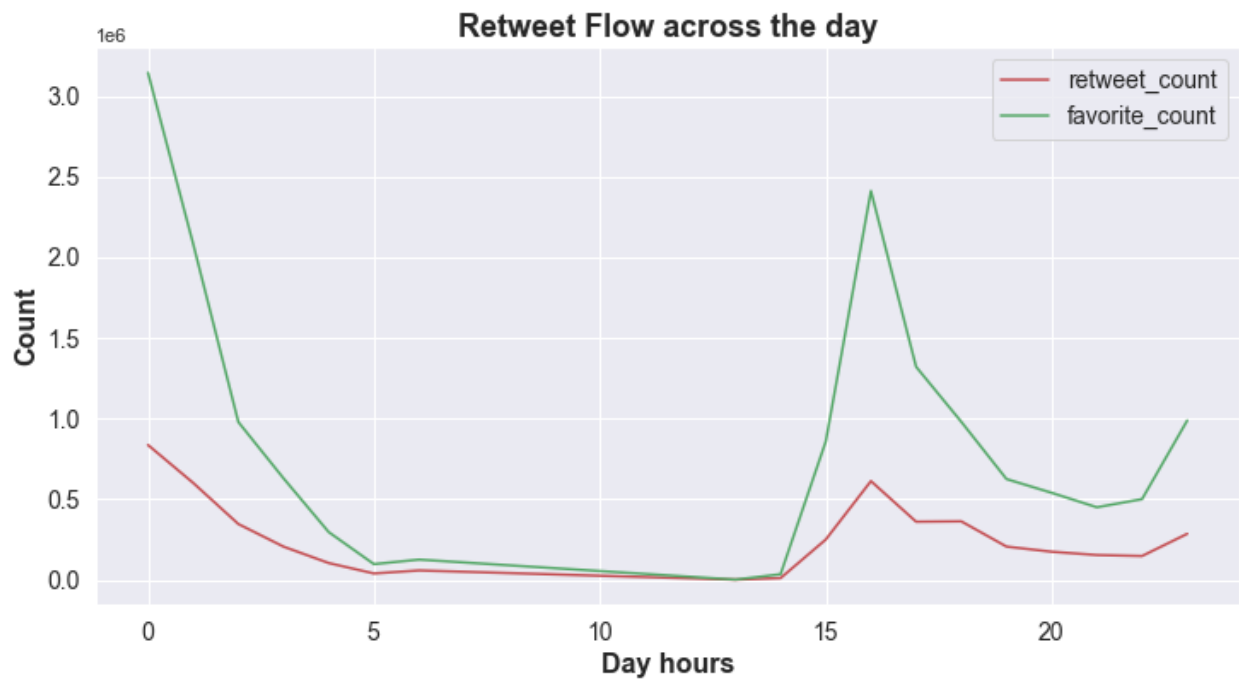
## 2- Is there any correlation between the retweet and like counts?!

To answer this question, the total counts of retweets and favorites (i.e: likes) were used to build a scatter plot, that showed a strong positive association between counts of likes and retweets. In other words, if a Twitter user like a tweet, he is intended to retweet it also as the following scatter plot shows



### 3- What time of the day is the highest for retweet and likes?!

To explore the flow of retweeting and liking on Twitter through the day hours, the counts data were grouped by the hours of the day and plotted in a line chart.



The line chart shows an overall higher favorite count than retweeting, this was expected as it is easy to like a tweet more than retweeting it.

However, both likes and retweets increase through night hours and drop in the morning hours till the afternoon time, which may be due to the working hours.