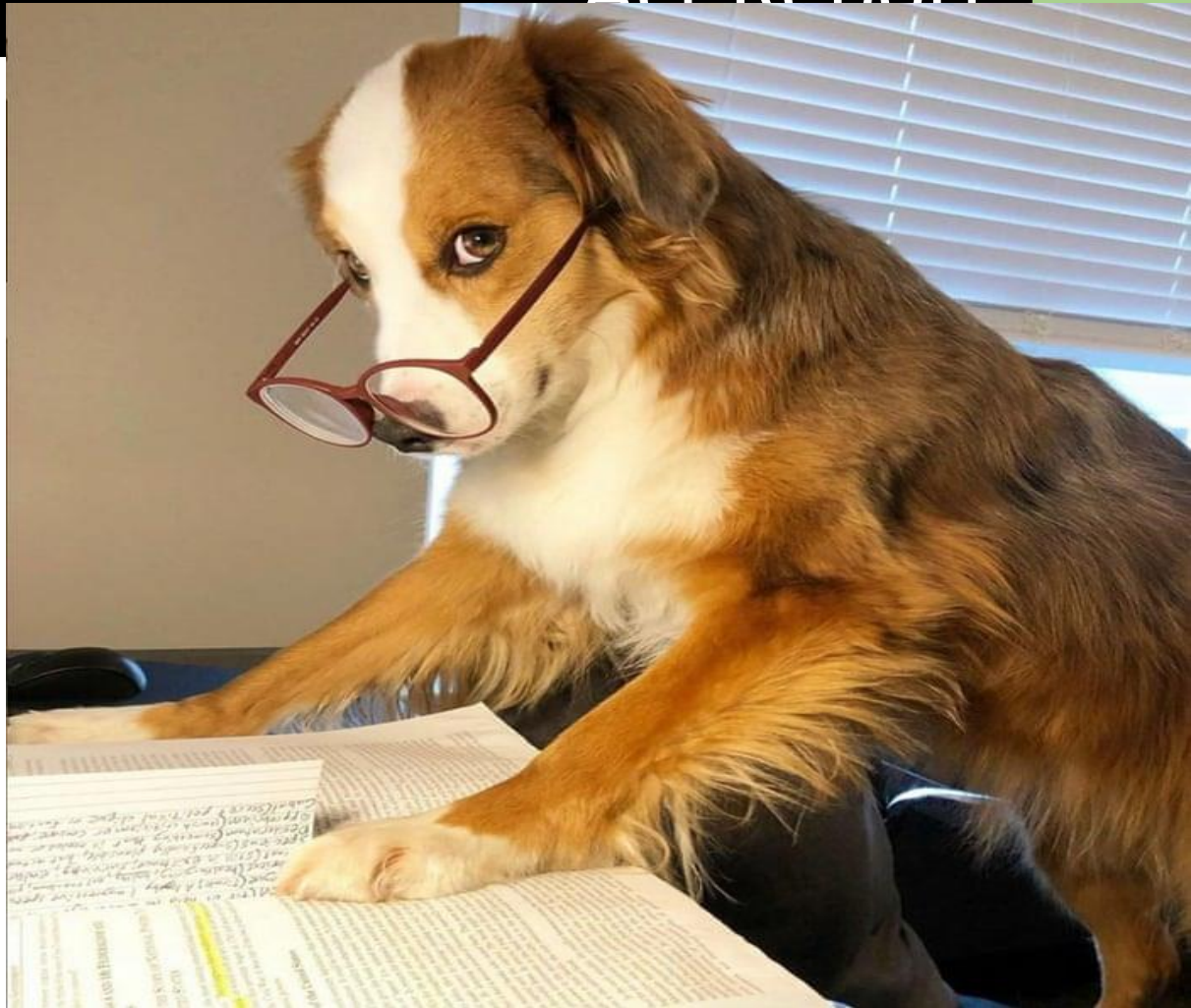


2020

## Act Report



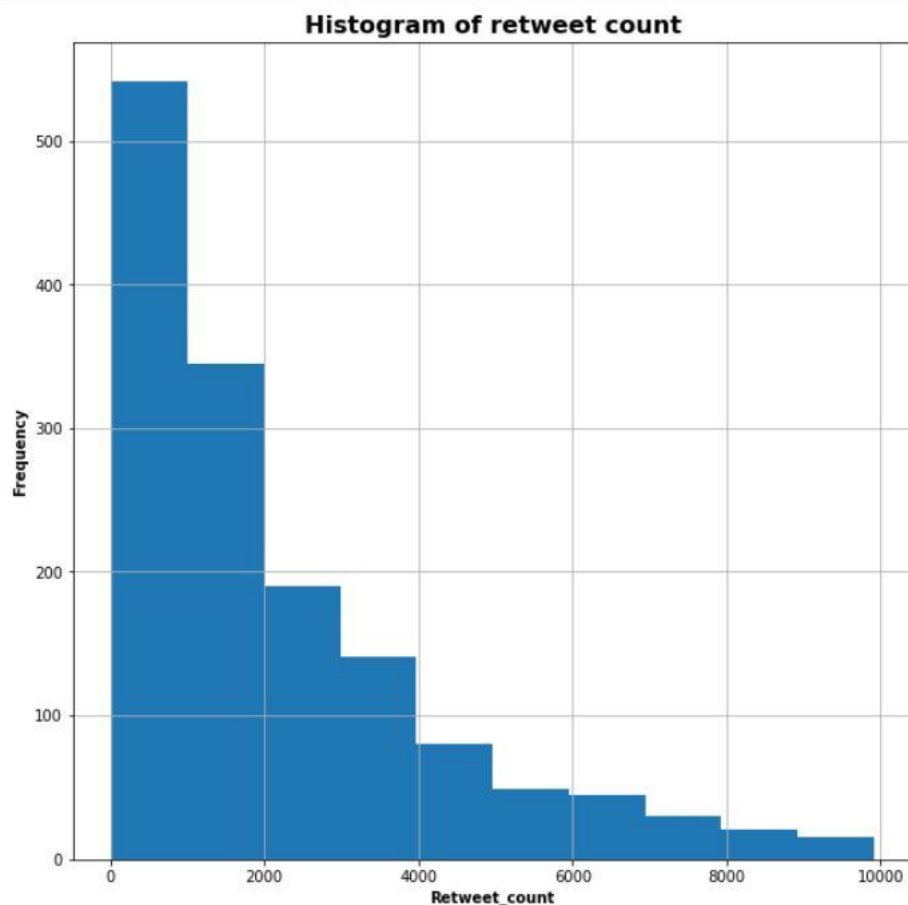
Ahmed Sayed

Project 2 Udacity

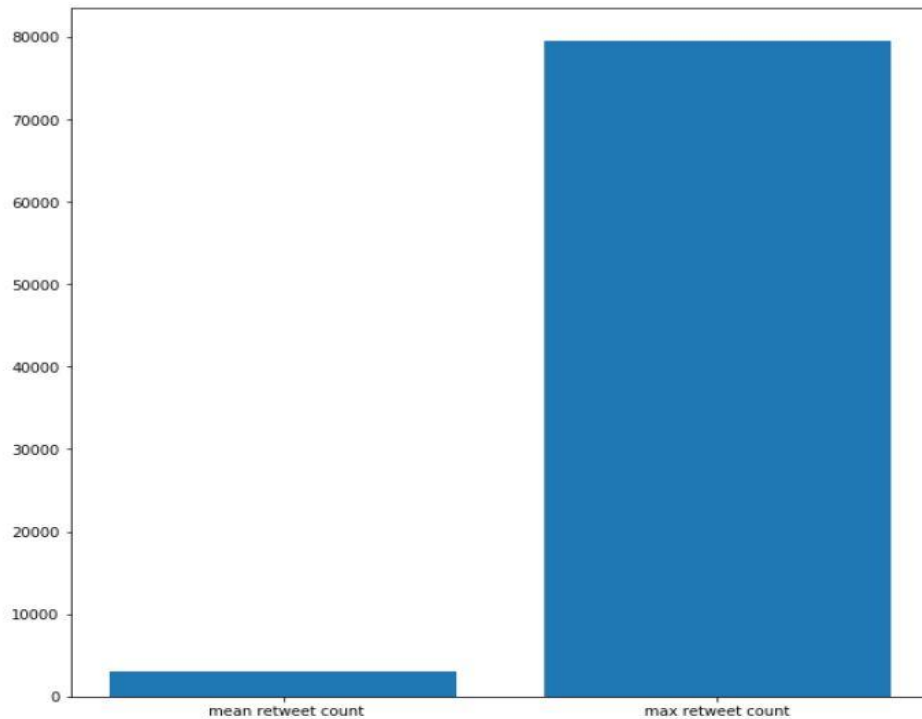
9/15/2020

In this report I will discuss the visualization and insights created from the data analysis process of we rate dogs data set:

## 1) Histogram of retweet counts for each tweet

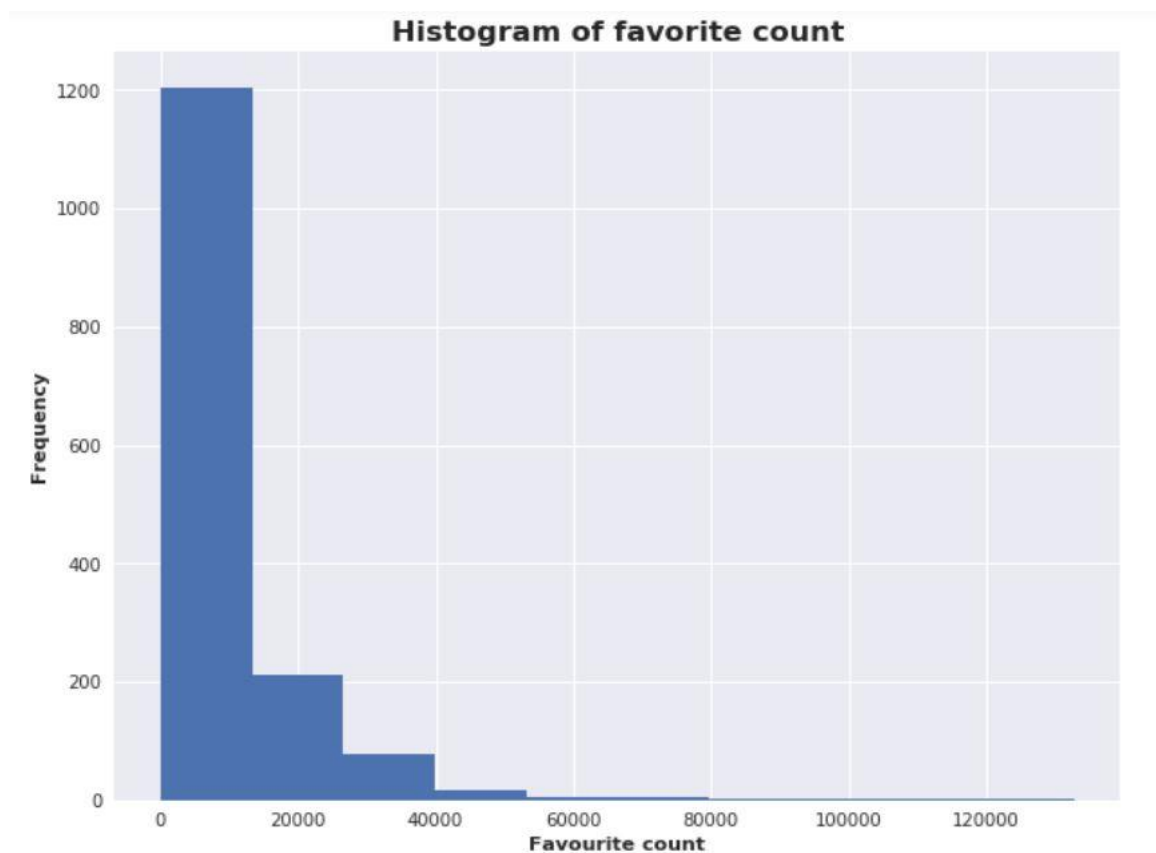


From this plot we can notice that most of the retweet count for each tweet is below 400 retweets for each tweet, about 200 tweets got retweeted less than 400 times , and about 220 tweets got retweeted between 400 to 600 times, It is exciting to know the dog breeds that got most retweeted by people on we rate dogs.



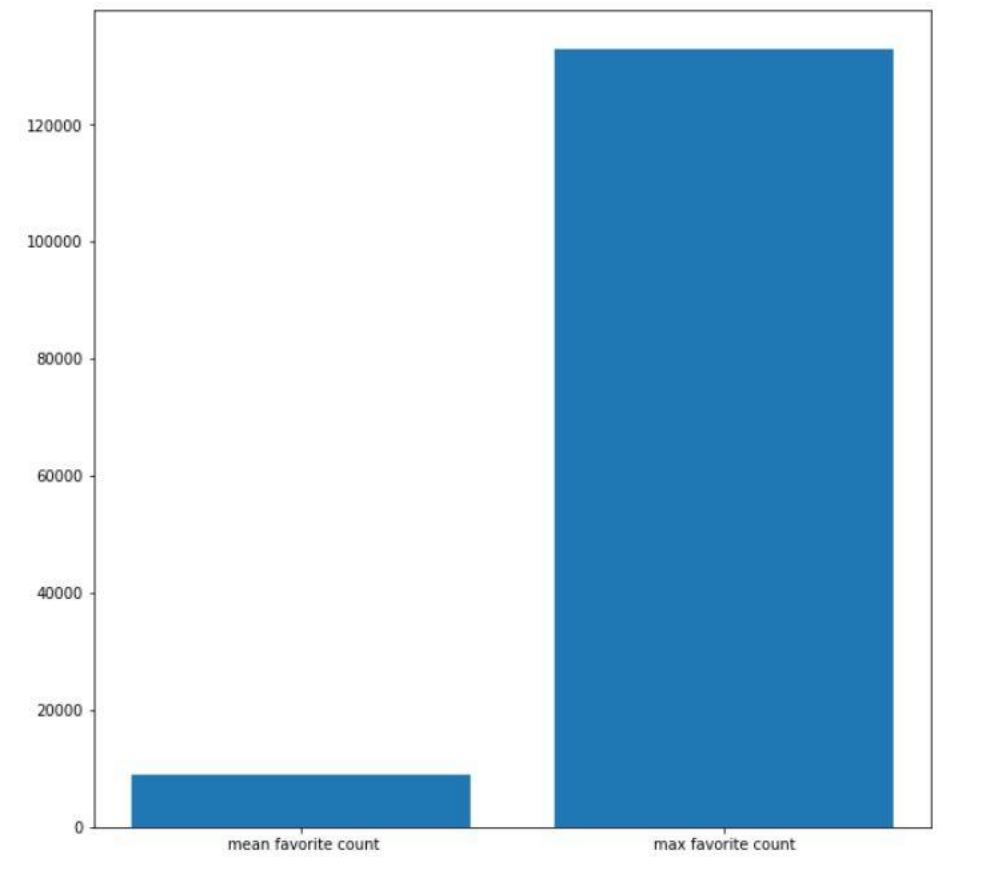
From this chart we can see that the mean retweet count for each tweet in we rate dogs is about 2700 and the maximum retweet count is almost 8000 retweets.

## 2) Histogram for favourite counts



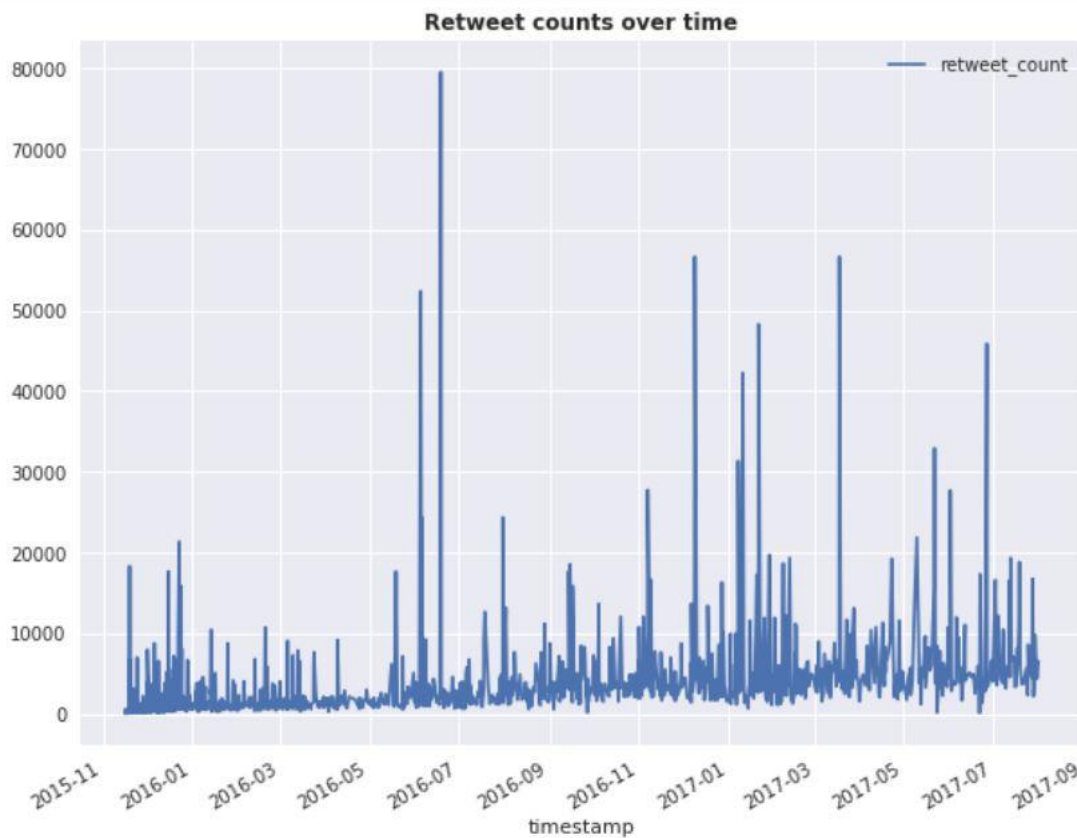
From this plot we can see that the majority of tweets about 1200 tweet got less than 10000 favourite, and some tweets about 200 tweets got from 10000 to 25000 favourite and less

than 70 tweets exceeds this number of favourite, I think we need to know more about these dogs that got more than 25000 favourite



We can see from this chart that the mean favourite count for each tweet on we rate dogs is about 10000 favourite counts and the maximum favourite count exceeds 120000

### 3) Retweets over time



This graph shows the changes in the retweet counts on the we rate dogs hashtag since 2015

- Top 10 dog breeds that got the highest favourite count

dog_breed	favorite_count
Border_collie	35179
Blenheim_spaniel	33382
Bernese_mountain_dog	28490
Bedlington_terrier	24678
American_Staffordshire_terrier	23074
Airedale	22036
Australian_terrier	20011
Afghan_hound	17305
Border_terrier	12183
Appenzeller	12041

- Top 10 dog breeds that got the highest retweet count

dog_breed	retweet_count
Border_collie	7788
Blenheim_spaniel	7097
American_Staffordshire_terrier	6005
Bedlington_terrier	5698
Australian_terrier	5457
Afghan_hound	5312
Bernese_mountain_dog	4903
Airedale	4800
Border_terrier	2357
Appenzeller	2158