Act Report

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Introduction

After gathering, assessing, and cleaning the tweet data of Twitter user [@dog_rates](#),
a master DataFrame has been analyzed and visualized to explore some interesting insights
about tweet users and their beloved dogs.

Insights

1. **Summary statistics of dog ratings (numerators)**:

count	1536.000000
mean	11.410827
std	1.116400
min	10.000000
25%	10.000000
50%	11.000000
75%	12.000000
max	14.000000

2. **Among tweets with highest rating, 14, how many dogs was our image prediction algorithm able to identify them as "dogs"?**
And how many times did all 3 predictions fail?
- Among 34 tweets with rating of 14, 22 tweets were predicted to be a dog by any one of the algorithms, but sadly 12 dogs were predicted to be something else.
ex) orange, bagel, dishwasher, and etc.

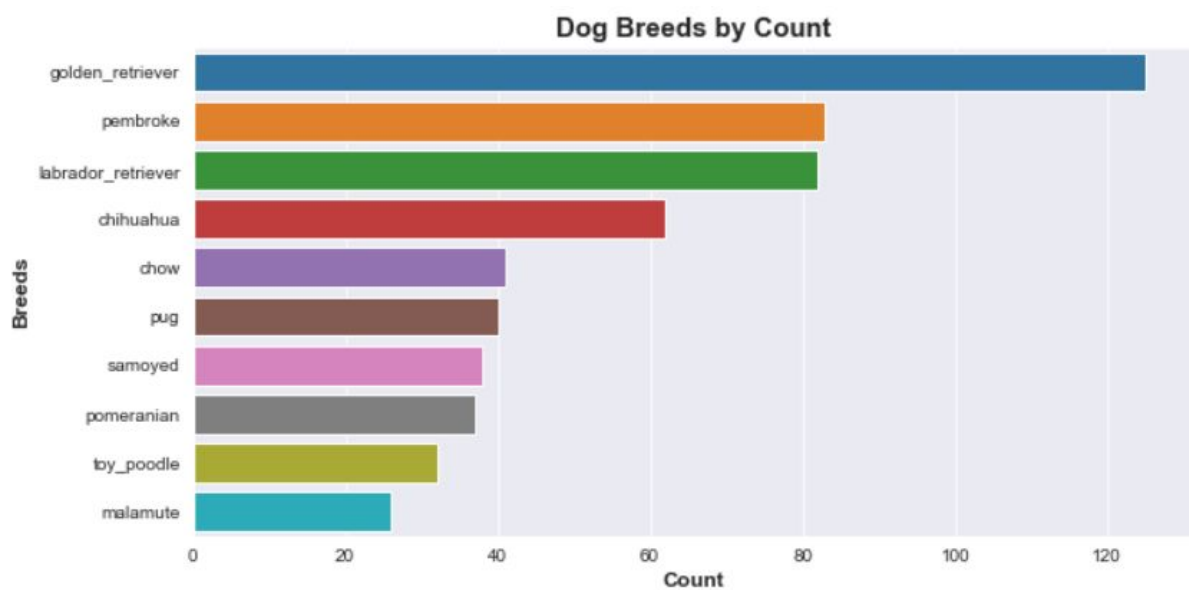3. **Dogs with highest retweets vs highest favorites**:

	name	p1	dog_stage	retweets	favorites
728	None	Labrador_retriever	doggo	82762	162654

- It turned out to be the dog with most retweets also received most favorites.

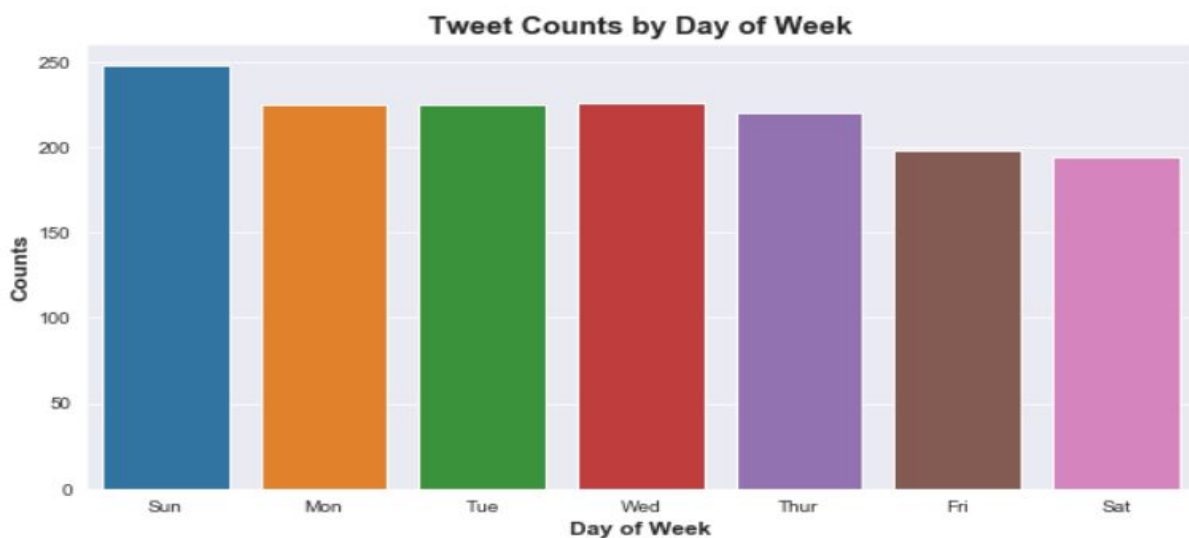4. **10 Most Common Dog Breeds**:

```
golden_retriever    125
pembroke             83
labrador_retriever   82
chihuahua            62
chow                 41
pug                  40
samoyed              38
pomeranian           37
toy_poodle           32
malamute             26
```

- Most popular dog breed on WeRateDogs was Golden Retriever, followed by Pembroke Welsh Corgi, and Labrador Retriever whereas rank 10 came out to be Malamute.

Dog Breeds by Count

5. **Number of Tweets by Day of Week**:

Tweet Counts by Day of Week

- Sunday was the busiest day for WeRateDogs and their followers.