act_report

July 12, 2019

1 Action Report

Attention! Attention! Cute dog alert! Cute dog alert! Weratedogs has been rating dogs for years now and we have found some of the cutest, most adorable dogs from all around the world!

```
In [1]: #Importing relevant packages

        import pandas as pd
        import datetime as dt
        import numpy as np
        import requests
        import tweepy
        import json
        import re
        import matplotlib
        import matplotlib.pyplot as plt
        from nltk import pos_tag

        %matplotlib inline

        matplotlib.style.use('seaborn-whitegrid')
        df = pd.read_csv('twitter_archive_master.csv')
```

We have just completed our analysis of the past couple years of the top dogs from the twitter account Weratedogs. We saw dogs from far and wide but only the cutest, most noble dogs prevail.Here is some information that we learned so far!

1.1 Most Popular Name

DRUM ROLL PLEASE ******** The TOP 5 most popular names are:

```
In [2]: df['names'].value_counts().head()

Out[2]: Charlie     11
        Cooper      10
        Oliver      10
        Lucy        10
        Penny        9
        Name: names, dtype: int64
```
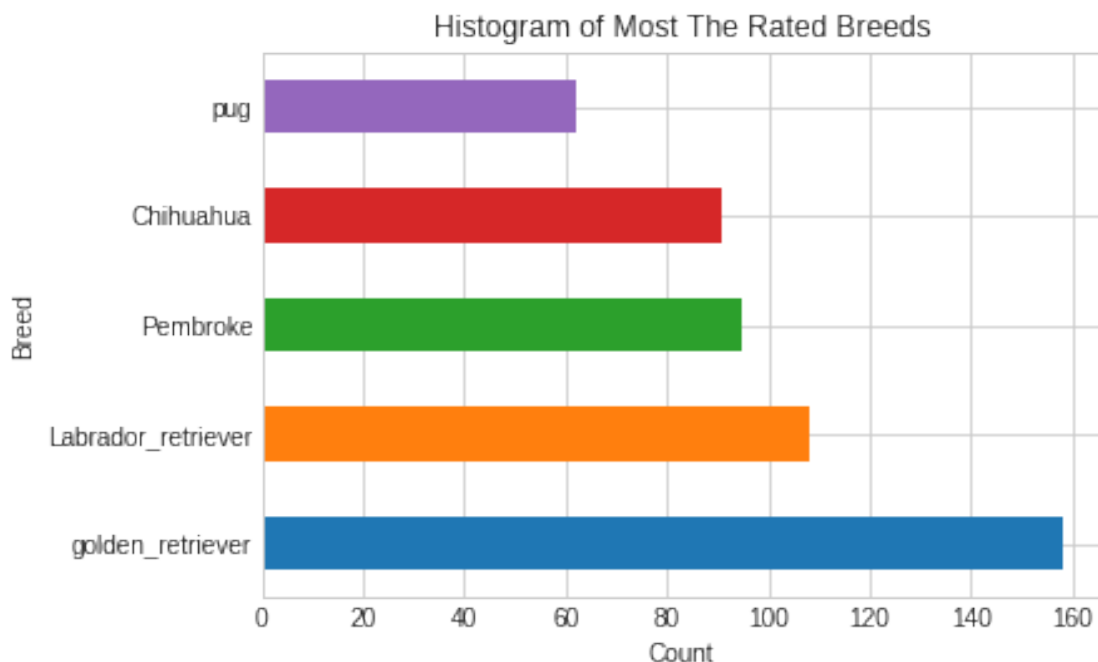
Thats right! You heard it here first! CHARLINE is the Most Popular Name followed in a three way tie with Lucy, Cooper, and Oliver with Penny rounding out the top 5!

1.2 Most Rated Breed

There are so many beautiful breeds out there but our througouh reporting has led us to the top 5, highest rated dog breeds! What breed do you predict will win? Let's find out!

```
In [3]: top_breeds=df.groupby('breed').filter(lambda x: len(x) >= 60)
        top_breeds['breed'].value_counts().plot(kind = 'barh')
        plt.title('Histogram of Most The Rated Breeds')
        plt.xlabel('Count')
        plt.ylabel('Breed')

Out[3]: Text(0,0.5,'Breed')
```

Here you can see who our clear winner is! The golden retriver breed is by far the highest rated breed, followed by the Labrador Retriver and the Pembroke close behind.

There you have it! The breed with the most ratings is the Golden Retriver which is absolutley understandable! Let's take a look at some of our champions!

1.2.1 Paisley - Golden Retriver

1.2.2 Hank - Labador Retriver

1.2.3 Eugene - Pug

Next lets see which dogs are the crowd winner with the top 3 dogs with the most about of 'Favorites'!

```
In [4]: tname = df[df['names'].notna()]
        tname[['names','favorites','breed']].sort_values(by = ['favorites'], ascending = False).
```
```
Out[4]:          names   favorites                breed
        400    Stephan    124792.0            Chihuahua
        108     Jamesy    119983.0      French_bulldog
        58     Duddles    102404.0     English_springer
```

Let's take a look at these cuties! ### Stephan

Just look at that face! Yes, you can have whatever you want and more!

1.2.4 Jamesy

CUTENESS OVERLOAD!!!

1.2.5 Duddles

What do you see boy? Is it your handsome self?

And finally, let's see which dog is going to take hom the the title of BEST DOG IN THE WORLD! Get ready, let's see who our number one winner is!

```
In [5]: df[['names','rating']].sort_values(by='rating', ascending = False).head(1)
```
```
Out[5]:          names   rating
        726    Atticus   1776.0
```

THE WINNER IS ATTICUS!

I don't think I've ever seen a more patriotic dog that this one. He is the symbol of America! There you have it, the top dogs from the WeRateDogs twitter account. Stay tuned next time for more CUTENESS!