Act Report
#WeRateDogs

The goal for this project is to wrangle WeRateDogs Twitter data to create interesting and trustworthy analyses and visualizations. I will be using Python and its libraries to gather data from a variety of sources and in a variety of formats, assess its quality and tidiness, then clean it.

The dataset that I will be wrangling is the tweet archive of Twitter user @dog_rates, also known as WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because "they're good dogs Brent." WeRateDogs has over 4 million followers and has received international media coverage.

Analyzing and Visualizing Data

The most popular dog name

```
Charlie    10
Cooper     10
Oliver     10
Lucy       10
Penny       9
Name: name, dtype: int64
```

Figure 1 Most popular dog name

The most popular names for dogs are Oliver, Charlie, Cooper and Lucy with at least 10 counts.

The most popular dog breed

```
Golden Retriever      158
Labrador Retriever    107
Pembroke               95
Chihuahua              91
Pug                    62
Name: dog_breed, dtype: int64
```

Figure 2 Most popular dog tweet

The most popular dog breed are Golden Retriever and Labrador Retriever with more than 100 counts.

The most common source for tweet

```
Twitter for iPhone    1952
Twitter Web Client      28
TweetDeck               10
Name: tweet_source, dtype: int64
```

Figure 3 Most common tweet source

The most of the tweets are from iPhone Twitter.

Top 3 favourited dog

time	weekday	dog_stages	tweet_picture	dog_breed	confidence_level	id	tweet_favorites	tweet_retweets
18:26:18	Sat	doggo	https://pbs.twimg.com/ext_tw_video_thumb/74423...	Labrador Retriever	0.825333	744234799360020481	162648	82760
18:26:02	Sat	puppo	https://pbs.twimg.com/media/C2tugXLXgAArJO4.jpg	Lakeland Terrier	0.196015	822872901745569793	139000	47163
06:17:20	Fri	NaN	https://pbs.twimg.com/ext_tw_video_thumb/80710...	Chihuahua	0.505370	807106840509214720	125726	60334

Figure 4 Top 3 favorited dog

The top 3 favorited dog's breed are Labrador Retriever (162,648), Lakeland Terrier (47,163) and Chihuahua (125,726).
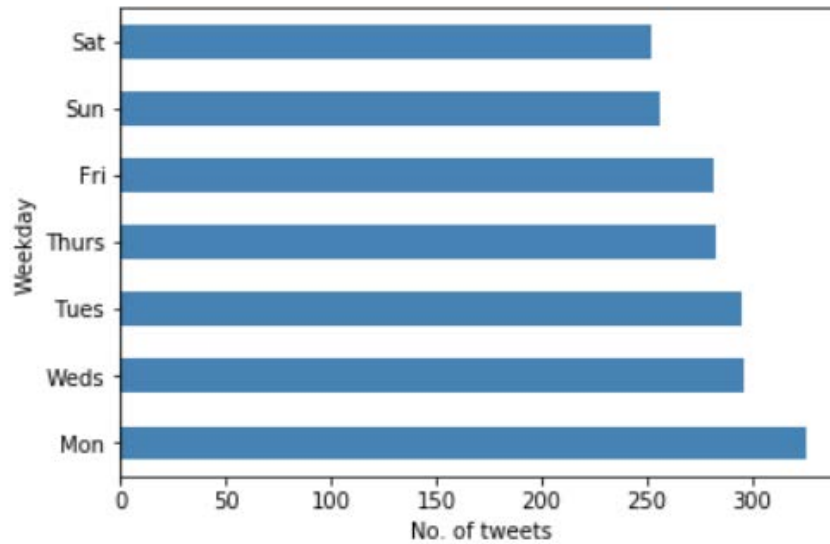
The most popular day to tweet

Figure 5 Most popular day to tweet

Monday is the most popular to tweet.

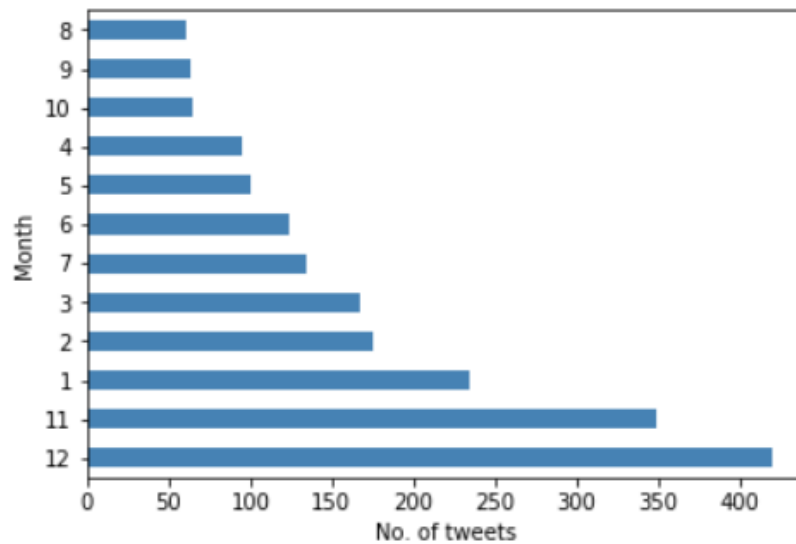# The most popular month to tweet

Figure 6 Most popular month to tweet

The most popular month to tweet is December.
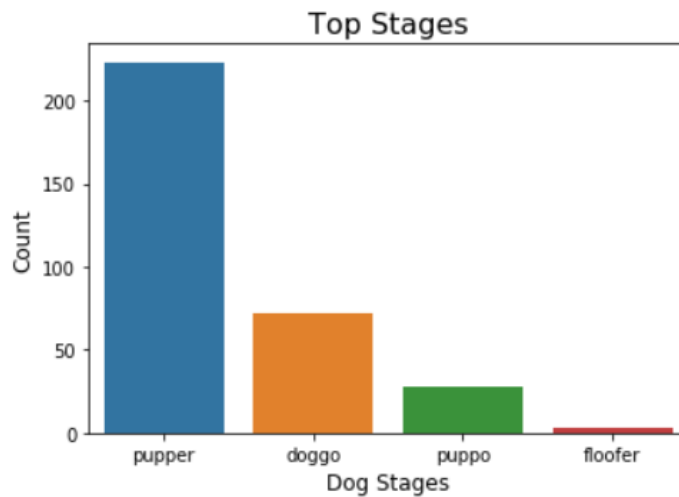
Which stage are most dogs in

Figure 7 Dog stage

Most of the dogs are in pupper stage.

Conclusion

Based on the above analysis, we can conclude the following:

- Most popular names are Oliver, Charlie, Cooper and Lucy with 10 counts.
- Most popular dog breed are Golden Retriever and Labrador Retriever with more than 100 counts.
- The top 3 favorited dog's breed are Labrador Retriever (162,648), Lakeland Terrier (47,163) and Chihuahua (125,726).
- Most of the tweets are from iPhone Twitter.
- Most people tweet on a Monday in December.
- Most of the dogs are in pupper stage.