

Wrangle and Analyze Data Project

In this project, my goal is to wrangle and analyze @dog_rates.

@dog_rates is a twitter account, that collects human's dog (pics, name, stage) something like that, and write comment and rating.

After I finish the wrangle phase, I will do the analysis and visualization.

My first analysis is :

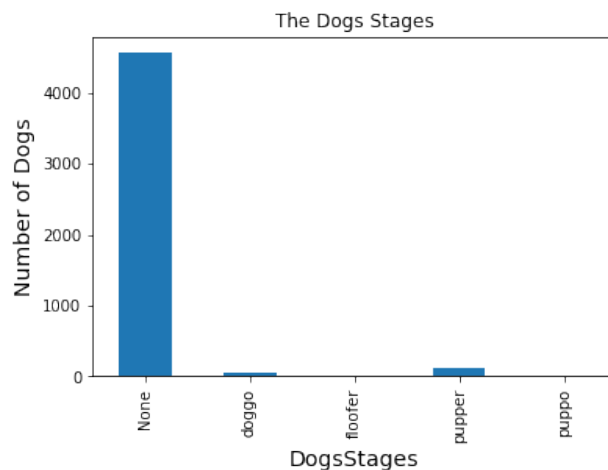
Pupper stage is the grater number , and there are 4558 mysteries

I reached to this insight using code below :

```
Tweet_final.groupby('dog_stage').tweet_id.size()
```

Then I visualize to make ensure by using code below :

```
Tweet_final.groupby('dog_stage').tweet_id.size().plot(kind='bar',title='The Dogs Stages');  
plt.xlabel('Dogs Stages',fontsize=14);  
plt.ylabel('Number of Dogs',fontsize=14);
```



My second analysis is :

Most of the sources are from the iPhone

I reached to this insight using code below :

```
Tweet_final['source'].value_counts()
```

My third analysis is :

The most frequent dog's name is : Cooper, regardless of the Null and dummy name.

I reached to this insight using code below :

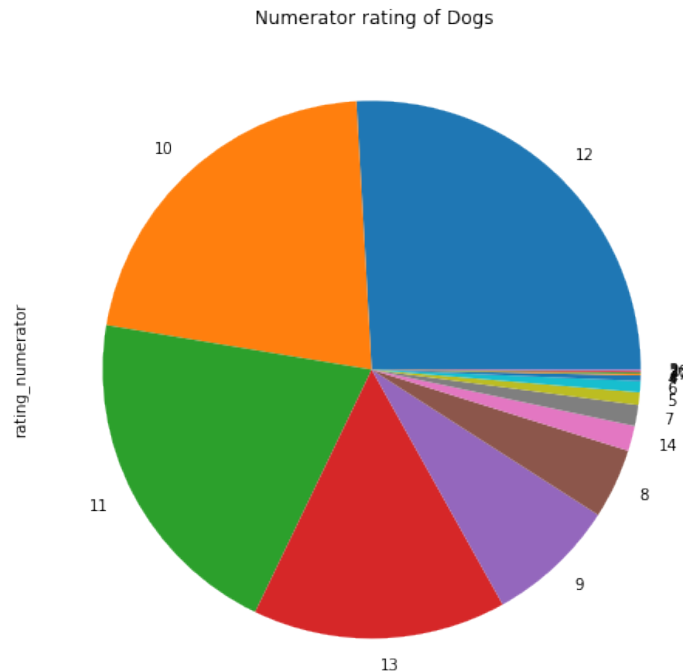
```
Tweet_final.groupby('name').tweet_id.size().sort_values(ascending=False)
```

My fourth analysis is :

that most of the of rating is great, as the majority were from 10 to 13.

I reached to this visualize using code below :

```
Tweet_final['rating_numerator'].value_counts().plot(kind='pie',figsize=(8,8),title='Numerator rating of Dogs');
```



My last analysis is :

There are strong positive relation between retweet_count and favorite_count.

I reached to this visualize using code below :

```
Tweet_final.plot.scatter(x='retweet_count', y='favorite_count', color='DarkGreen',title='Favorite and Retweet');
```

