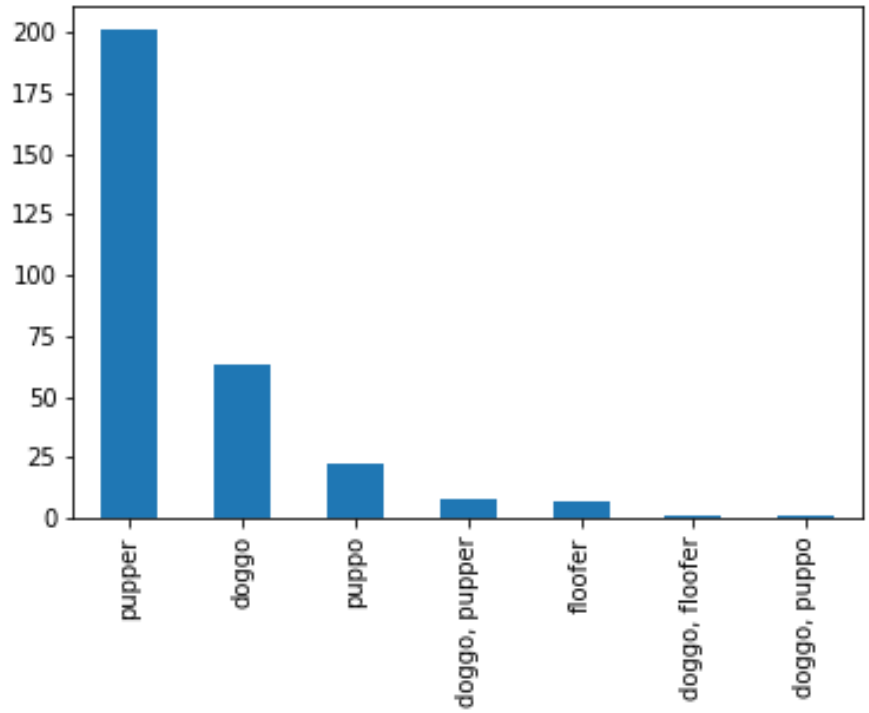
# Act report

- **Introduction:**
  This report aims to show some insights from analyzing data of a Twitter
  account named WeRateDogs.
- **Most common dog type:**
  The most dog type is pupper

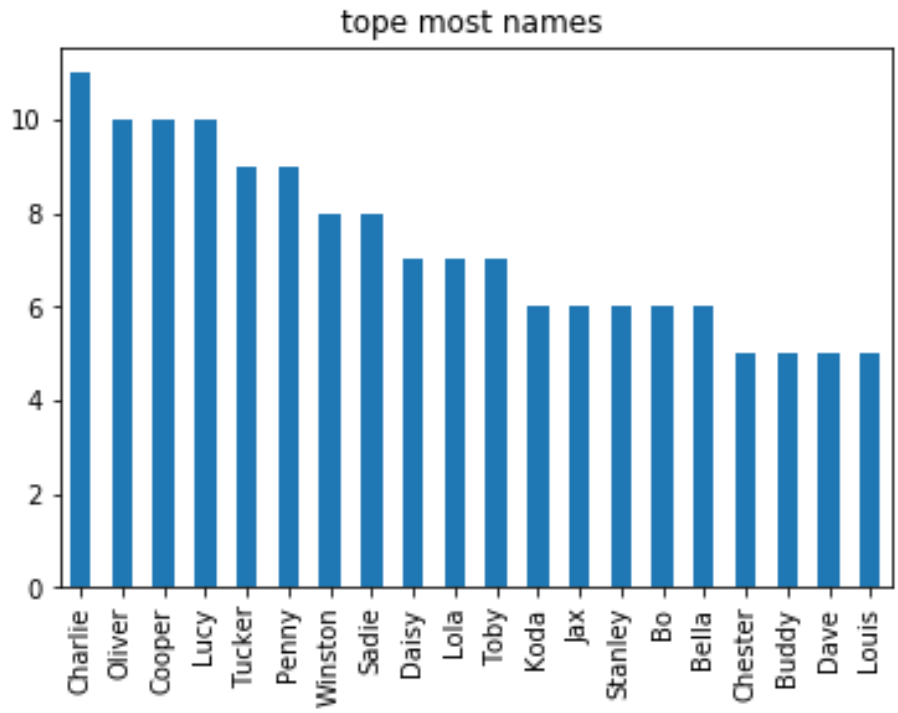
```
In [148]: final_df.dog_type.value_counts().plot.bar()
Out[148]: <matplotlib.axes._subplots.AxesSubplot at 0x19344a845c0>
```



- **The most common names :**

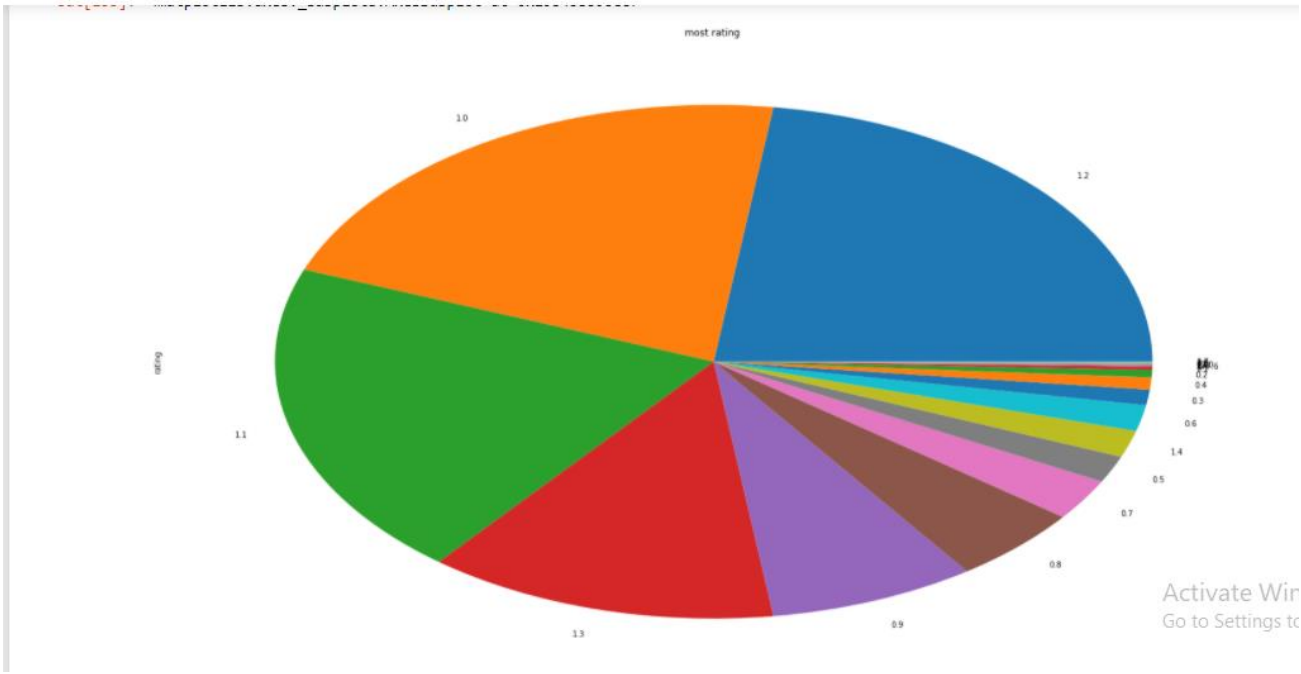
  There’s the most 20 common name in the data set

```
In [149]: final_df.name.value_counts()[:20].plot.bar(title='tope mos
Out[149]: <matplotlib.axes._subplots.AxesSubplot at 0x19344a44898>
```



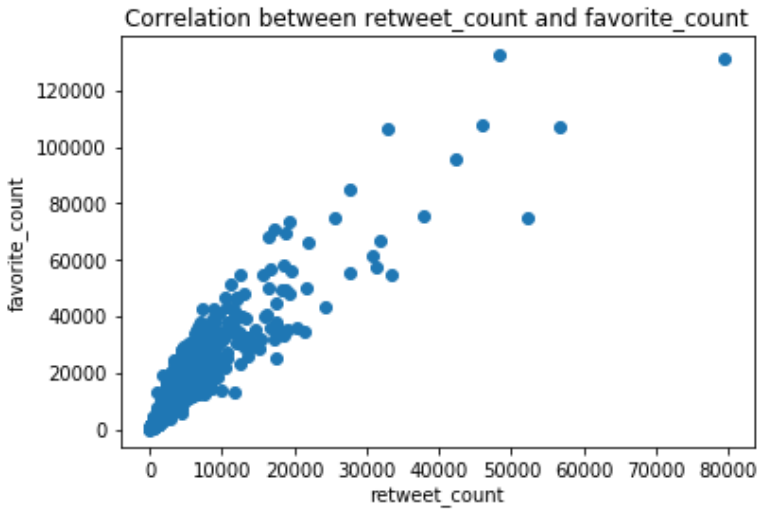

- **Rating:**

  The most rating is 12 &10 &13




- **<u>The correlation between the rewet count and favorite count :</u>**

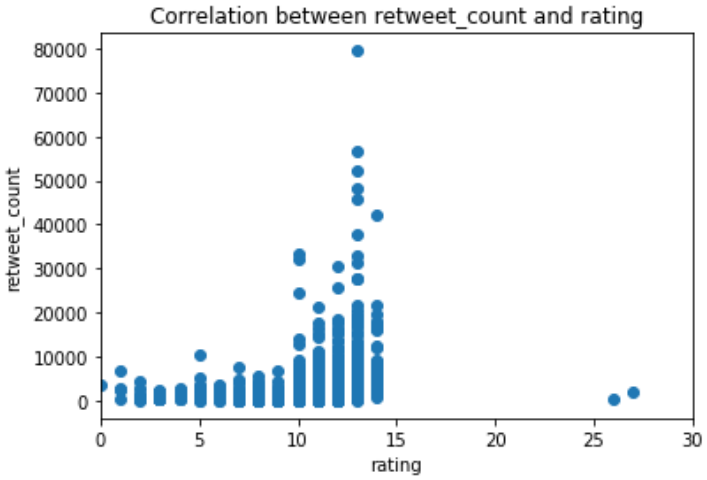
```
[150]: plt.scatter(x=final_df.retweet_count,y=final_df.favorite_count)
       plt.title('Correlation between retweet_count and favorite_count')
       plt.xlabel('retweet_count')
       plt.ylabel('favorite_count')
       plt.show()
```




- **<u>Rating vs retweet count:</u>**

The retweet count increase with the high rate

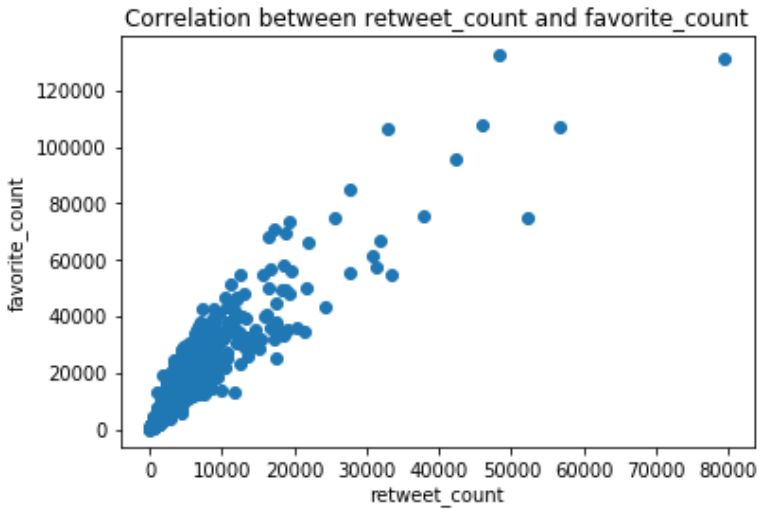
In [183]:
```
plt.scatter(y=final_df.retweet_count,x=final_df.rating_numerator )
plt.title('Correlation between retweet_count and rating')
plt.ylabel('retweet_count')
plt.xlabel('rating')
plt.xlim(0, 30)
plt.show()
```




- **Rating vs favorite count:**

The favorite count increase with the high rate

```
[150]: plt.scatter(x=final_df.retweet_count,y=final_df.favorite_count)
       plt.title('Correlation between retweet_count and favorite_count')
       plt.xlabel('retweet_count')
       plt.ylabel('favorite_count')
       plt.show()
```




- **<u>Most common soruce user vote from:</u>**

Twitter for iphone is most and common users used to vote

In [187]:
```
final_df.source.value_counts().plot.bar()
```

Out[187]:
```
<matplotlib.axes._subplots.AxesSubplot at 0x193481813c8>
```