act_report

March 31, 2021

1 The most favorable dog name

Through this preif intro we will be seeing which dog name has been usaed through our data set
First lets import all the nesssarey libraries

```
In [2]: import pandas as pd
        import matplotlib.pyplot as plt

In [5]: #loading twitter-archive-enhanced.csv into data frame
        df_twitter_enhanced= pd.read_csv('twitter-archive-enhanced.csv')

In [8]: #let's check about unuique vlaues number in name column
        df_twitter_enhanced.name.value_counts()

Out[8]: None         745
        a             55
        Charlie       12
        Oliver        11
        Cooper        11
        Lucy          11
        Penny         10
        Tucker        10
        Lola          10
        Winston        9
        Bo             9
        Sadie          8
        the            8
        an             7
        Buddy          7
        Toby           7
        Bailey         7
        Daisy          7
        Dave           6
        Scout          6
        Jax            6
        Bella          6
        Koda           6
```

```
Leo            6
Stanley        6
Milo           6
Oscar          6
Rusty          6
Jack           6
Alfie          5
              ...
Willie         1
Rumpole        1
Monkey         1
Swagger        1
Clybe          1
Karll          1
Tino           1
Jett           1
Jim            1
Fynn           1
Bobble         1
Dutch          1
Tom            1
Milky          1
Luther         1
Acro           1
Flurpson       1
Freddery       1
Napolean       1
Beemo          1
Cupid          1
Tanner         1
Bloo           1
Glenn          1
Stu            1
Shnuggles      1
Skittle        1
Joey           1
Mitch          1
Murphy         1
Name: name, Length: 957, dtype: int64
```

In [9]:
```
#replaceing to none

df_twitter_enhanced['name'].replace('a','None', inplace = True)
df_twitter_enhanced['name'].replace('an','None', inplace = True)
```

In [11]:
```
#Testing our code

df_twitter_enhanced.name.value_counts()
```

Out[11]:

None	807
Charlie	12
Cooper	11
Oliver	11
Lucy	11
Tucker	10
Lola	10
Penny	10
Winston	9
Bo	9
Sadie	8
the	8
Buddy	7
Toby	7
Bailey	7
Daisy	7
Jack	6
Leo	6
Rusty	6
Bella	6
Koda	6
Milo	6
Scout	6
Stanley	6
Oscar	6
Dave	6
Jax	6
Alfie	5
Oakley	5
Sammy	5
...	
Ronnie	1
Barney	1
Karl	1
Crumpet	1
Bodie	1
Grizz	1
Sweets	1
Hector	1
William	1
Storkson	1
Sailor	1
Chadrick	1
Andy	1
Brandy	1
Nugget	1
Mabel	1
Akumi	1

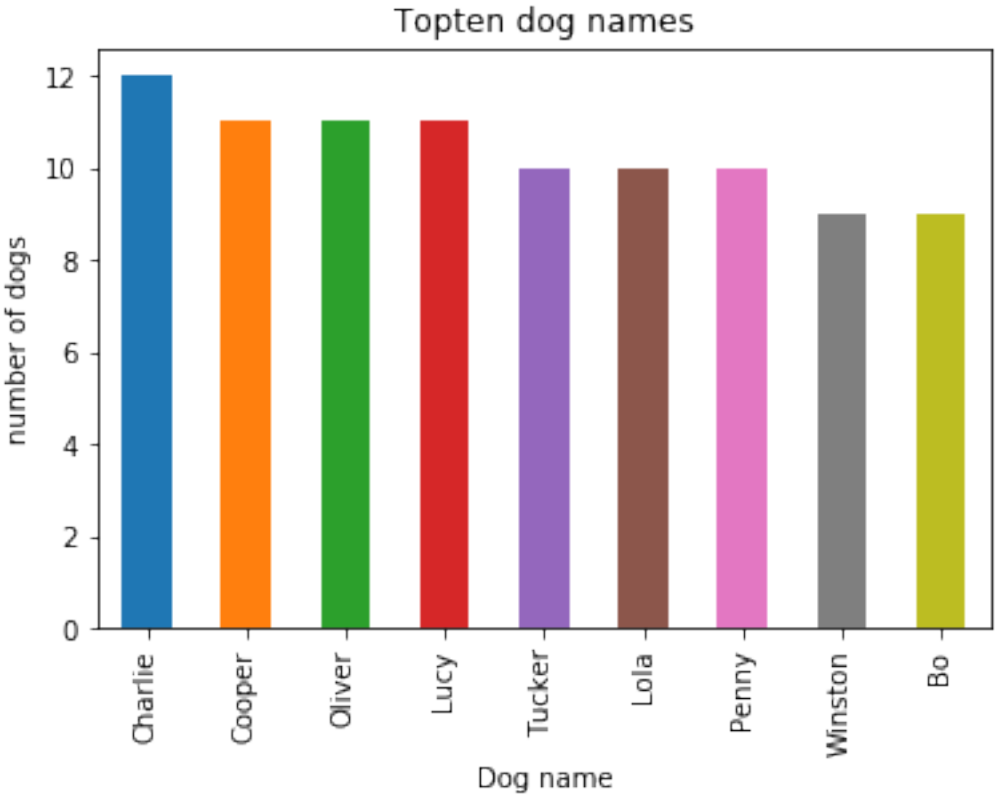
```
Kendall       1
Combo         1
Gunner        1
Carter        1
Malikai       1
Sage          1
Rover         1
Lilah         1
Dallas        1
Izzy          1
Pancake       1
Ralph         1
Murphy        1
Name: name, Length: 955, dtype: int64
```

In [12]:
```
#let's first check the number of each name through our data base

Topten = df_twitter_enhanced.name.value_counts()[1:10]

Topten.plot(kind = 'bar')
plt.title('Topten dog names')
plt.xlabel('Dog name')
plt.ylabel('number of dogs')
```

Out[12]:
```
Text(0,0.5,'number of dogs')
```



1.0.1 Conclusion

Through our analysis we see that the most favorable name would be charlie Also we conclude that if there will be any new retweet the name of the dog will be most likely one of the above top ten