In [1]:
```
#Histogram on  robery, assault and murder CrimeMap
import pandas as pd
import matplotlib.pyplot as plt
```

In [2]:
```
df=pd.read_csv("CrimeConnected.csv")
```

```
/Users/quangpham/anaconda3/lib/python3.7/site-packages/IPython/core/inter
activeshell.py:3051: DtypeWarning: Columns (3,6,8,9,11,12,13,15,16,17,18,
19,20,22,23,24,25,26) have mixed types. Specify dtype option on import or
set low_memory=False.
  interactivity=interactivity, compiler=compiler, result=result)
```

In [21]:
```
assaultdf=df[df['CrimeMap']=='assault']
robdf=df[df['CrimeMap']=='robbery']
murder=df[df['CrimeMap']=='murder']
```

In [22]:
```
assaultdf['CrimeType'].value_counts(normalize=True)
```

Out[22]:
```
all other offenses                      0.251839
assault                                 0.188305
other offenses                          0.167520
other assaults                          0.151091
other offense                           0.079275
aggravated assault no firearm           0.040506
other crimes against persons            0.027855
aggravated assault                      0.023442
investigate person                      0.022987
simple assault                          0.019398
aggravated assault firearm              0.015743
offense involving children              0.009476
offenses against family and children    0.000897
offenses against child / family         0.000668
family offenses                         0.000565
Armed Assault                           0.000348
Unarmed Assault                         0.000075
ritualism                               0.000010
Name: CrimeType, dtype: float64
```

In [23]:
```
robdf['CrimeType'].value_counts(normalize=True)
```

Out[23]:
```
larceny/theft                  0.243546
theft                          0.187664
thefts                         0.113545
burglary                       0.109791
theft from vehicle             0.072165
robbery                        0.066281
larceny                        0.065571
burglary residential           0.044575
theft from motor vehicle       0.033386
robbery no firearm             0.021823
robbery firearm                0.015241
larceny from motor vehicle     0.009847
burglary non-residential       0.009827
residential burglary           0.005089
commercial burglary            0.001214
other burglary                 0.000418
Hijacking                      0.000015
burglary - no property taken   0.000002
Name: CrimeType, dtype: float64
```

In [25]:
```
murder['CrimeType'].value_counts(normalize=True)
```

Out[25]:
```
Murder or Manslaughter:Yes        0.684883
Murder or Manslaughter:No         0.295954
Manslaughter by Negligence:Yes    0.013603
homicide - criminal               0.002762
homicide                          0.001495
Manslaughter by Negligence:No     0.000605
murder                            0.000466
Assassination                     0.000207
homicide - gross negligence       0.000014
manslaughter                      0.000012
Name: CrimeType, dtype: float64
```

In [ ]:
```

```