```
import numpy as np
import pandas as pd


from google.colab import drive
drive.mount('/content/drive')
data=pd.read_csv('/content/drive/MyDrive/DataBase/database.csv')
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).
<ipython-input-27-58d0584221ac>:3: DtypeWarning: Columns (16) have mixed types. Specify dtype option on import or set low_memory=False.
  data=pd.read_csv('/content/drive/MyDrive/DataBase/database.csv')
```

```
print(data.head())
```

```
   Record ID Agency Code Agency Name       Agency Type       City   State  \
0          1     AK00101   Anchorage  Municipal Police  Anchorage  Alaska
1          2     AK00101   Anchorage  Municipal Police  Anchorage  Alaska
2          3     AK00101   Anchorage  Municipal Police  Anchorage  Alaska
3          4     AK00101   Anchorage  Municipal Police  Anchorage  Alaska
4          5     AK00101   Anchorage  Municipal Police  Anchorage  Alaska

   Year    Month  Incident              Crime Type  ... Victim Ethnicity  \
0  1980  January         1  Murder or Manslaughter  ...          Unknown
1  1980    March         1  Murder or Manslaughter  ...          Unknown
2  1980    March         2  Murder or Manslaughter  ...          Unknown
3  1980    April         1  Murder or Manslaughter  ...          Unknown
4  1980    April         2  Murder or Manslaughter  ...          Unknown

  Perpetrator Sex  Perpetrator Age              Perpetrator Race  \
0            Male               15  Native American/Alaska Native
1            Male               42                          White
2         Unknown                0                        Unknown
3            Male               42                          White
4         Unknown                0                        Unknown

  Perpetrator Ethnicity  Relationship         Weapon Victim Count  \
0               Unknown  Acquaintance   Blunt Object            0
1               Unknown  Acquaintance  Strangulation            0
2               Unknown       Unknown        Unknown            0
3               Unknown  Acquaintance  Strangulation            0
4               Unknown       Unknown        Unknown            0

  Perpetrator Count Record Source
0                 0           FBI
1                 0           FBI
2                 0           FBI
3                 0           FBI
4                 1           FBI

[5 rows x 24 columns]
```

```
# 1. Cinco primeras ciudades con el mayor número de agencias
top_cities = data['City'].value_counts().head(5)
print(top_cities)
```

```
Los Angeles    44511
New York       38431
Cook           22383
Wayne          19904
Harris         16331
Name: City, dtype: int64
```

```
# 2. Tipos de agencia de tipo Sheriff y mostrar el nombre
sheriffs = data[data['Agency Type'] == 'Sheriff']['Agency Name'].unique()
print(sheriffs)
```

```
['Jefferson' 'Mobile' 'Montgomery' ... 'Mineral County' 'Sheridan County'
 'Sublette County']
```

```
# 3. Estados más afectados por crímenes perpetrados por mujeres
female_perpetrated = data[data['Perpetrator Sex'] == 'Female']['State'].value_counts().head()
print(female_perpetrated)
```

```
Texas         5217
California    5215
Florida       2824
```

```
New York      2339
Michigan      2241
Name: State, dtype: int64
```

```
# 4. Estados más afectados por crímenes perpetrados por hombres
male_perpetrated = data[data['Perpetrator Sex'] == 'Male']['State'].value_counts().head()
print(male_perpetrated)
```

```
California    58199
Texas         42198
New York      24317
Florida       23610
Michigan      16773
Name: State, dtype: int64
```

```
# 5. Crímenes hechos por mujeres de raza Asian/Pacific Islander
asian_female = data[(data['Perpetrator Sex'] == 'Female') & (data['Perpetrator Race'] == 'Asian/Pacific Islander')]
print(len(asian_female))
```

```
577
```

```
# 6. Raza más criminal
top_race = data['Perpetrator Race'].value_counts().idxmax()
print(top_race)
```

```
White
```

```
# 7. Hispanos que han asesinado mediante estrangulación
hispanic_strangle = data[(data['Perpetrator Ethnicity'] == 'Hispanic') & (data['Weapon'] == 'Strangulation')]
print(len(hispanic_strangle))
```

```
440
```

```
# 8. Tipo de relación más peligrosa con escopeta
shotgun_relationship = data[data['Weapon'] == 'Shotgun']['Relationship'].value_counts().idxmax()
print(shotgun_relationship)
```

```
Acquaintance
```

```
# 9. Sexo que más ha cometido homicidios con veneno
poison_gender = data[data['Weapon'] == 'Poison']['Perpetrator Sex'].value_counts().idxmax()
print(poison_gender)
```

```
Male
```

```
# 10. Asesinos de raza negra atrapados por el FBI
black_captured = data[(data['Agency Type'] == 'FBI') & (data['Perpetrator Race'] == 'Black')]
print(len(black_captured))
```

```
0
```

```
# 11. Víctimas hispanas y medio por el cual murieron
hispanic_victims = data[data['Victim Ethnicity'] == 'Hispanic']['Weapon'].value_counts()
print(hispanic_victims)
```

```
Handgun          41145
Knife            11643
Blunt Object      5732
Firearm           4534
Shotgun           2872
Rifle             2850
Unknown           2148
Strangulation      689
Fire               409
Suffocation        316
Drowning           119
Gun                101
Drugs               47
Poison              26
Explosives          12
Fall                 9
Name: Weapon, dtype: int64
```

```
# Convertir la columna a numérica y manejar los errores
data['Perpetrator Age'] = pd.to_numeric(data['Perpetrator Age'], errors='coerce')

# 12. Encontrar el asesino más viejo
oldest_killer = data['Perpetrator Age'].max()
print(oldest_killer)
```

```
99.0
```

```
# 13. Asesino más joven, excluyendo edades de cero
youngest_killer = data[data['Perpetrator Age'] > 0]['Perpetrator Age'].min()
print(youngest_killer)
```

```
1.0
```

```
# 14. Total de homicidios desde 1995 hasta 2000
homicides_95_00 = data[(data['Year'] >= 1995) & (data['Year'] <= 2000)]
print(len(homicides_95_00))
```

```
103295
```

```
# 15. Homicidios desde 1995 hasta 2000 por hombres de raza negra por sofocación
black_suffocation_95_00 = data[(data['Year'] >= 1995) & (data['Year'] <= 2000) & (data['Perpetrator Sex'] == 'Male') & (data['Perpetrator Rac
print(len(black_suffocation_95_00))
```

```
96
```

```
# 16. Homicidios anteriores a 1980 por hombres de Alaska de raza negra
alaska_black_pre_1980 = data[(data['Year'] < 1980) & (data['Perpetrator Race'] == 'Black') & (data['Perpetrator Sex'] == 'Male') & (data['Sta
print(len(alaska_black_pre_1980))
```

```
0
```

```
# 17. Homicidios de la policía municipal de Nueva York, Ex-Wife y estrangulación
nyc_police_exwife_strangulation = data[(data['Agency Name'] == 'New York Police Department') & (data['Relationship'] == 'Ex-Wife') & (data['W
print(nyc_police_exwife_strangulation)
```

```
Empty DataFrame
Columns: [Record ID, Agency Code, Agency Name, Agency Type, City, State, Year, Month, Incident, Crime Type, Crime Solved, Victim Sex, Vi
Index: []

[0 rows x 24 columns]
```

```
# 18. Homicidios desde 1980 hasta 1970 en Illinois, no hispanos, amigos, con escopeta
illinois_70_80 = data[(data['Year'] >= 1970) & (data['Year'] <= 1980) & (data['State'] == 'Illinois') & (data['Victim Ethnicity'] == 'Not His
print(illinois_70_80)
```

```
      Record ID Agency Code Agency Name Agency Type     City     State  Year  \
7585       7586     IL06000     Madison     Sheriff  Madison  Illinois  1980

     Month  Incident              Crime Type  ... Victim Ethnicity  \
7585  July         3  Murder or Manslaughter  ...     Not Hispanic

     Perpetrator Sex  Perpetrator Age Perpetrator Race Perpetrator Ethnicity  \
7585            Male             22.0            White          Not Hispanic

     Relationship   Weapon Victim Count Perpetrator Count Record Source
7585       Friend  Shotgun            0                 0           FBI

[1 rows x 24 columns]
```

#Enlace del google colab: https://colab.research.google.com/drive/1G_Y-AdAbEDfAwxtDjLL38EIiF54SvSqG?usp=sharing