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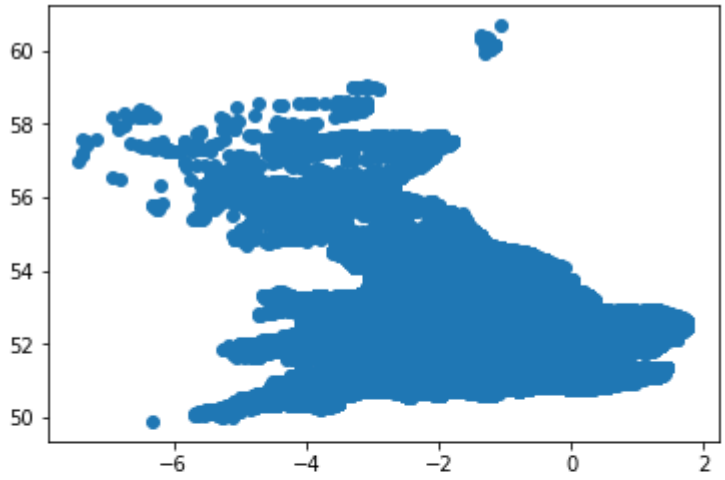
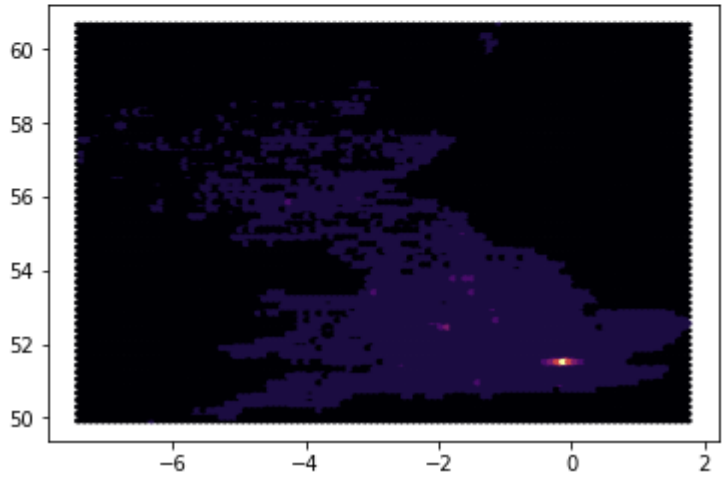
IF715029

Ubicación más frecuente de los choques:





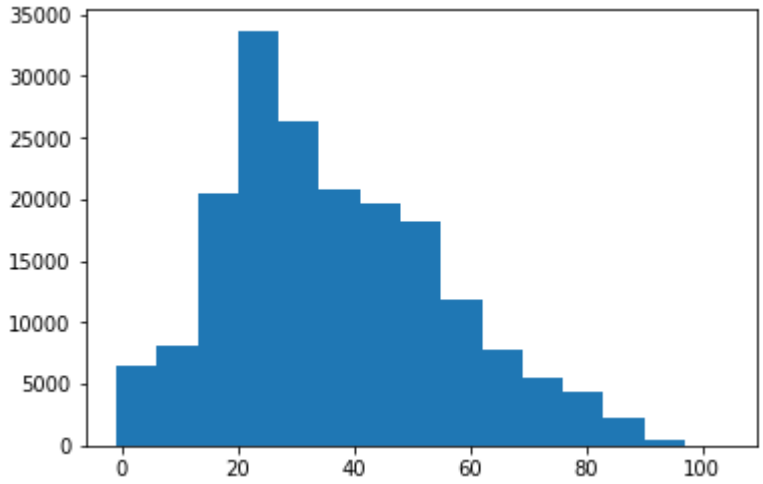
Día de la semana que más hay choques:

```
6    22374
5    21479
3    21431
4    21368
2    20032
7    18114
1    15258
Name: Day_of_Week, dtype: int64
```

Sexo de las personas involucradas en el choque:

```
 1    110299
 2     75829
-1        61
Name: Sex_of_Casualty, dtype: int64
```

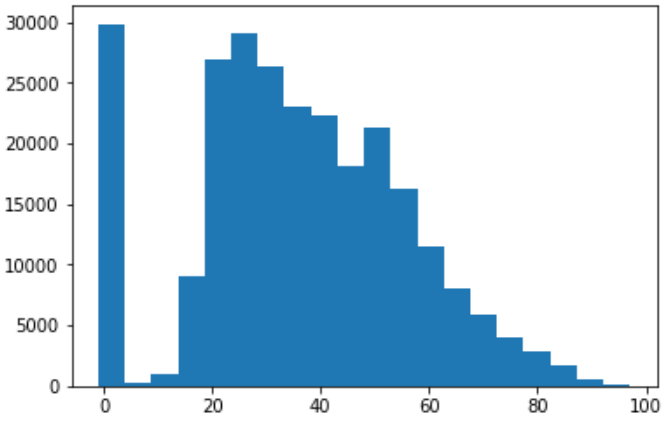
Edad de los involucrados en el choque: (más común entre los 20 y 30 años)



Sexo del conductor:

```
 1    169251
 2     72046
 3     16529
-1        19
Name: Sex_of_Driver, dtype: int64
```

Edad del conductor:



Código:

```
import matplotlib.pyplot as plt
import numpy as np
import pandas as pd

#%% 2.

accidents = pd.read_csv('../data/Accidents_2015.csv')

#%% a)

lat = accidents['Latitude'].values
lon = accidents['Longitude'].values
plt.scatter(lon,lat)
plt.show()
plt.hexbin(lon,lat,bins=10,cmap='inferno')
plt.show()

#%% b)

day = accidents.Day_of_Week
day = pd.value_counts(day)
print(day)

#%% 3.

casualties = pd.read_csv('../data/Casualties_2015.csv')

#%% a)

sex = casualties.Sex_of_Casualty
sex = pd.value_counts(sex)
print(sex)

#%% b)

age = casualties['Age_of_Casualty']
plt.hist(age,bins=15);
plt.show()
#%% 4.

vehicles = pd.read_csv('../DATA/Vehicles_2015.csv')

#%% a)

sex = pd.value_counts(vehicles['Sex_of_Driver'])
print(sex)

#%% b)

age = vehicles['Age_of_Driver']
plt.hist(age,bins = 20)
plt.show()
```