Python COVID Project

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Here is the initial menu, where we are asked to choose one of the options, that are looking for a statistic, a report, a graph or exit.

```
In [1]: runfile('C:/Users/jlms3/Desktop/Casos México/
A01745419_proyectointegrador.py', wdir='C:/Users/jlms3/Desktop/Casos México')

    #########  #########  ######    ######  ######  #########
    #########  #########  ######    ######  ######  ############
    ####       ###   ###  #####     #####   ######  #####    ###
    ####       ###   ###  ####      ####    ######  #####    ###
    #########  #########   #########         ######  ############
    #########  #########    ########         ######  #########

    Información de México
    Hecho por José Luis Madrigal
    1 = Estadística
    2 = Reporte
    3 = Gráfica
    4 = Salir
    Se debe saber que los datos son de 31-12-2019 a 27-09-2020


Hola, elige una acción:
```

This is an example of the first option, that is a statistic, then the type of case was chosen, here it was the confirmed ones and then the state which was Guerrero. At the end we can see the mean, mode, median, variance and standard deviation.

```
Se debe saber que los datos son de 31-12-2019 a 27-09-2020

Hola, elige una acción: 1

        1 = Todos
        2 = Confirmados
        3 = Defunciones
        4 = Negativos
        5 = Sospechosos


Elige un caso: 2

        1 = Aguascalientes      11 = Guanajuato      21 = Puebla
        2 = Baja California      12 = Guerrero        22 = Querétaro
        3 = Baja California Sur  13 = Hidalgo         23 = Quintana Roo
        4 = Campeche             14 = Jalisco         24 = San Luis Potosí
        5 = Chiapas              15 = México          25 = Sinaloa
        6 = Chihuahua            16 = Michoacan       26 = Sonora
        7 = Distrito Federal     17 = Morelos         27 = Tabasco
        8 = Coahuila             18 = Nayarit         28 = Tamaulipas
        9 = Colima               19 = Nuevo León      29 = Tlaxcala
        10 = Durango             20 = Oaxaca          30 = Veracruz

                                 31 = Yucatán
                                 32 = Zacatecas


Elige un estado: 12
"GUERRERO" Confirmados |Media: 71.47| |Moda: 0| |Mediana: 48| |Varianza: 5480.44| |
Desviación estándar: 74.03|
```

In this second example, we can see a report or total of the death cases in Jalisco.

```
Hola, elige una acción: 2

        1 = Todos
        2 = Confirmados
        3 = Defunciones
        4 = Negativos
        5 = Sospechosos


Elige un caso: 3

        1 = Aguascalientes        11 = Guanajuato    21 = Puebla
        2 = Baja California       12 = Guerrero      22 = Querétaro
        3 = Baja California Sur   13 = Hidalgo       23 = Quintana Roo
        4 = Campeche              14 = Jalisco       24 = San Luis Potosí
        5 = Chiapas               15 = México        25 = Sinaloa
        6 = Chihuahua             16 = Michoacan     26 = Sonora
        7 = Distrito Federal      17 = Morelos       27 = Tabasco
        8 = Coahuila              18 = Nayarit       28 = Tamaulipas
        9 = Colima                19 = Nuevo León    29 = Tlaxcala
        10 = Durango              20 = Oaxaca        30 = Veracruz

                                  31 = Yucatán
                                  32 = Zacatecas


Elige un estado: 14
El total de casos Defunciones en "JALISCO" es: 3209
```
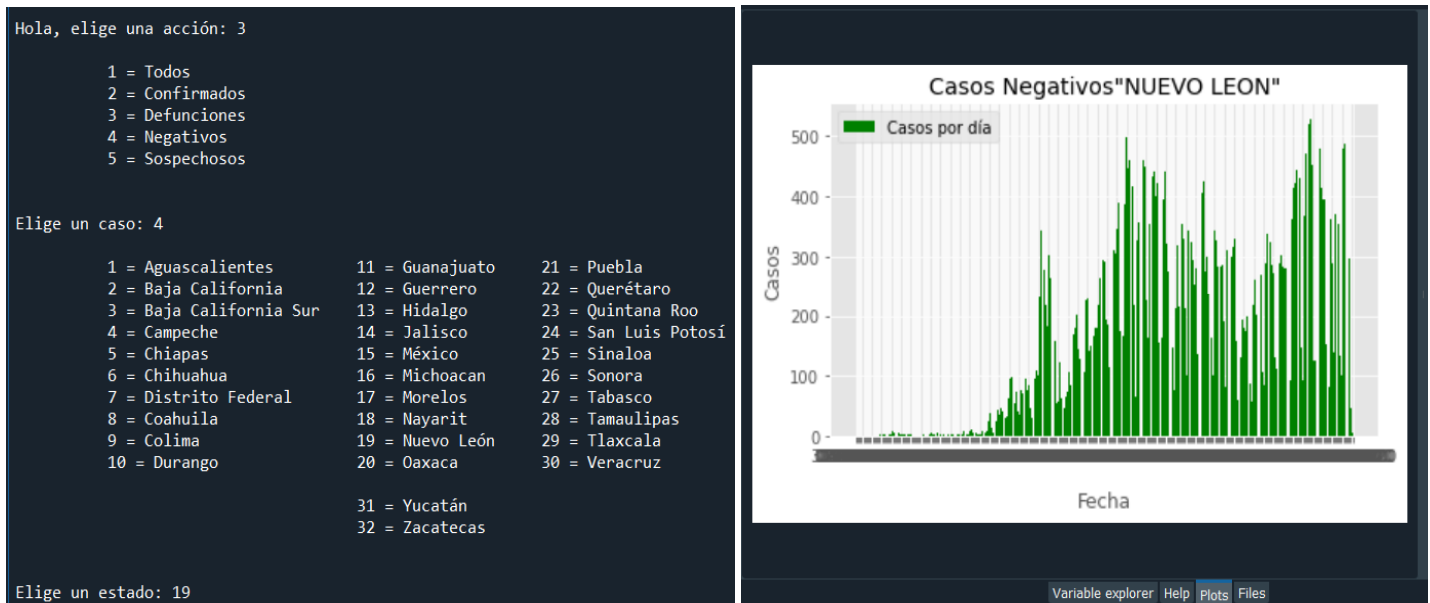
In this third example, we can see the graph of negative cases in Nuevo Leon.

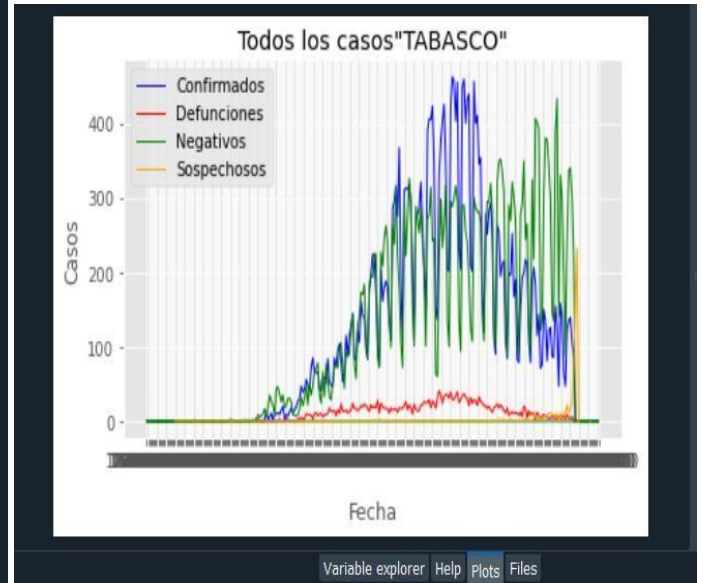In this third example, we can see a graph of all cases in Tabasco.


```
Hola, elige una acción: 3

        1 = Todos
        2 = Confirmados
        3 = Defunciones
        4 = Negativos
        5 = Sospechosos


Elige un caso: 1

        1 = Aguascalientes      11 = Guanajuato     21 = Puebla
        2 = Baja California      12 = Guerrero       22 = Querétaro
        3 = Baja California Sur  13 = Hidalgo        23 = Quintana Roo
        4 = Campeche             14 = Jalisco        24 = San Luis Potosí
        5 = Chiapas              15 = México         25 = Sinaloa
        6 = Chihuahua            16 = Michoacan      26 = Sonora
        7 = Distrito Federal     17 = Morelos        27 = Tabasco
        8 = Coahuila             18 = Nayarit        28 = Tamaulipas
        9 = Colima               19 = Nuevo León     29 = Tlaxcala
        10 = Durango             20 = Oaxaca         30 = Veracruz

                                 31 = Yucatán
                                 32 = Zacatecas

Elige un estado: 27
```

Finally, considering that we can consult information continually, when we choose the exit option, the loop will end, so the code execution stops.