```
import pandas as pd
df = pd.read_csv(https://final-project-bucket-group-5.s3.us-east-1.amazonaws.com/dpd_crime_data.csv)
print(df.head())
       id Case Number
                                     Block Offense Code \
0 29000000 DPD749039
                         1221 Northwest Hwy
                                                  230.0
1 29000001
            DPD637037
                          8355 Lancaster Rd
                                                  110.0
2 29000002 DPD050351
                        9488 Fort Worth Ave
                                                  230.0
  29000003
                           7911 Sylvan Ave
            DPD696109
                                                  570.0
  29000004 DPD206113 1369 Harry Hines Blvd
                                                  900.0
        Primary Type
                              Description Location Description Arrest \
                        Theft of Property
0
              Theft
                                                      School False
1
             Robbery of Individual
                                                 Parking Lot
                                                               False
2
              Theft
                        Theft of Property
                                                 Retail Store
                                                              False
         Trespassing
                        Criminal Trespass
                                                 Gas Station
                                                              False
4 Disorderly Conduct
                        Disorderly Conduct
                                                       Hotel
                                                              False
  Domestic Beat ... Suspect Sex Suspect Race
                                                    Case Status \
     False B473 ...
                          X
                                      White Under Investigation
     False B993 ...
                                      White
                                                          Open
1
                                                         closed
     False B570 ...
                                       NaN
      True B119 ...
                                      White Under Investigation
     False B727 ...
                                      Black
 Crime Category Secondary Description Census Tract Zip Code \
                 Shoplifting
0
     Property
                                          37804.0 75201.0
df.info()
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1000000 entries, 0 to 999999
Data columns (total 45 columns):
                         Non-Null Count
    Column
                                          Dtvpe
 0
    id
                          1000000 non-null int64
    Case Number
                          1000000 non-null object
     Block
                          1000000 non-null
    Offense Code
                          949916 non-null
                                          float64
    Primary Type
                          1000000 non-null
                                          object
    Description
                          1000000 non-null
                                          object
    Location Description
                          949991 non-null
                                          object
```

Arrest

Domestic

12 Community Area

FBI Code

14 X Coordinate

15 Y Coordinate

8

9 Beat

10 Area

11 Ward

16 Year

17 Latitude

18 Longitude

19 Location

21 vict Age

20 weapon description

1000000 non-null

1000000 non-null

900146 non-null

899811 non-null

1000000 non-null

950137 non-null

950137 non-null

950137 non-null

950137 non-null

950137 non-null

1000000 non-null bool 1000000 non-null

1000000 non-null int64

1000000 non-null object

900173 non-null float64

bool

object

object

object

object

object

float64

float64

float64

object

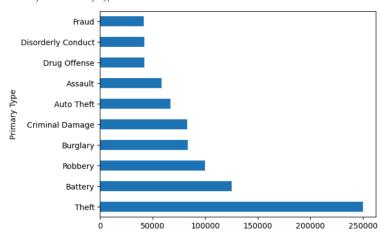
```
19 FOLISTENIE
                            אבדמכה ווחוו ופדמכה
19 Location
                            950137 non-null
                                              object
20
    weapon description
                            1000000 non-null
                                              object
21 vict Age
                            900173 non-null
                                              float64
22 Vict Sex
                            900352 non-null
                                              object
23 Victim Race
                            850032 non-null
                                              object
24 Date OCC
                            1000000 non-null
                                              datetime64[ns]
25
    Time OCC
                            950090 non-null
                                              float64
26
    Date Rptd
                            1000000 non-null
                                              object
27
    Time Rptd
                            950295 non-null
                                              float64
28 Date Arrested
                            89523 non-null
                                              object
29
    Time Arrested
                            89733 non-null
                                              float64
30
    Premises desc
                            949932 non-null
                                              object
31 district
                            1000000 non-null
                                              object
                                              float64
object
    Suspect Age
Suspect Sex
                            849956 non-null
32
                            850174 non-null
33
    Suspect Race
                            850057 non-null
 34
                                              object
 35
    Case Status
                            949752 non-null
                                              object
    Crime Category
                            949700 non-null
                                              object
 37
    Secondary Description
                            900086 non-null
                                              object
38
    Census Tract
                            949944 non-null
                                              float64
39
    Zip Code
                            950222 non-null
                                              float64
40 Incident Narrative
                            799760 non-null
                                              object
41 Priority Level
                            950046 non-null
                                              object
42 Repeat Offense Flag
                            949594 non-null
                                              object
                            1000000 non-null int32
43 Hour
44 DayOfWeek
                            1000000 non-null object
dtypes: bool(2), datetime64[ns](1), float64(12), int32(1), int64(2), object(27)
memory usage: 326.2+ MB
```

.. . .

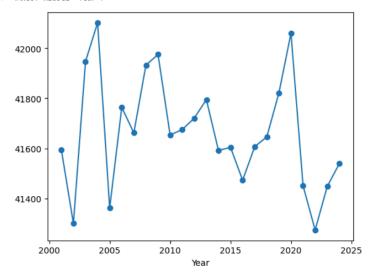
[6]: df.nunique()

r - 3		
[6]:		1000000
	Case Number	632137
	Block	243068
	Offense Code	15
	Primary Type	15
	Description	15
	Location Description	10
	Arrest	2
	Domestic	2
	Beat	899
	Area	5
	Ward	14
	Community Area	5
	FBI Code	15
	X Coordinate	201
	Y Coordinate	201
	Year	24
	Latitude	201
	Longitude	201
	Location	40401
	weapon description	6
	vict Age	63
	Vict Sex	3
	Victim Race	5
	Date OCC	8765
	Time OCC	1440
	# catagory wise number	of victims

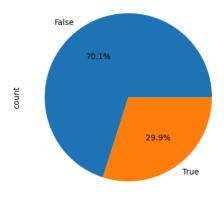
[7]: <Axes: ylabel='Primary Type'>



[8]: <Axes: xlabel='Year'>



[9]: <Axes: ylabel='count'>



10]: <Axes: xlabel='Domestic'>

