memory usage: 14.9+ MB

```
In [1]:
         1 import pandas as pd
         1 df=pd.read csv('datasets/Police Department Incidents - Previous Year 2016 .csv')
In [5]:
         2 df.dtypes
         3 df.info()
        <class 'pandas.core.frame.DataFrame'>
        RangeIndex: 150500 entries, 0 to 150499
       Data columns (total 13 columns):
            Column
                        Non-Null Count
                                        Dtype
                        _____
            IncidntNum 150500 non-null int64
                        150500 non-null object
         1
            Category
            Descript
                        150500 non-null object
            DayOfWeek 150500 non-null object
            Date
                        150500 non-null object
                        150500 non-null object
            Time
            PdDistrict 150499 non-null object
            Resolution 150500 non-null object
         8
            Address
                        150500 non-null object
                        150500 non-null float64
         9
            Χ
         10 Y
                        150500 non-null float64
         11 Location
                        150500 non-null object
        12 PdId
                        150500 non-null int64
        dtypes: float64(2), int64(2), object(9)
```

In [6]: 1 df

Out[6]:

	IncidntNum	Category	Descript	DayOfWeek	Date	Time	PdDistrict	Resolution	Address	X	Υ	
0	120058272	WEAPON LAWS	POSS OF PROHIBITED WEAPON	Friday	01/29/2016 12:00:00 AM	11:00	SOUTHERN	ARREST, BOOKED	800 Block of BRYANT ST	-122.403405	37.775421	-
1	120058272	WEAPON LAWS	FIREARM, LOADED, IN VEHICLE, POSSESSION OR USE	Friday	01/29/2016 12:00:00 AM	11:00	SOUTHERN	ARREST, BOOKED	800 Block of BRYANT ST	-122.403405	37.775421	-
2	141059263	WARRANTS	WARRANT ARREST	Monday	04/25/2016 12:00:00 AM	14:59	BAYVIEW	ARREST, BOOKED	KEITH ST / SHAFTER AV	-122.388856	37.729981	(
3	160013662	NON-CRIMINAL	LOST PROPERTY	Tuesday	01/05/2016 12:00:00 AM	23:50	TENDERLOIN	NONE	JONES ST / OFARRELL ST	-122.412971	37.785788	(
4	160002740	NON-CRIMINAL	LOST PROPERTY	Friday	01/01/2016 12:00:00 AM	00:30	MISSION	NONE	16TH ST / MISSION ST	-122.419672	37.765050	(
150495	161061000	ASSAULT	BATTERY	Friday	12/30/2016 12:00:00 AM	21:01	PARK	NONE	OAK ST / STANYAN ST	-122.453982	37.771428	(
150496	176000742	NON-CRIMINAL	LOST PROPERTY	Friday	12/30/2016 12:00:00 AM	08:00	CENTRAL	NONE	JACKSON ST / SANSOME ST	-122.401857	37.796626	(
150497	176000758	LARCENY/THEFT	PETTY THEFT OF PROPERTY	Thursday	12/29/2016 12:00:00 AM	20:00	CENTRAL	NONE	PINE ST / TAYLOR ST	-122.412269	37.790673	(
150498	176000764	LARCENY/THEFT	GRAND THEFT OF PROPERTY	Friday	12/30/2016 12:00:00 AM	10:00	CENTRAL	NONE	200 Block of STOCKTON ST	-122.406659	37.788275	(
150499	179002868	OTHER OFFENSES	FRAUDULENT GAME OR TRICK, OBTAINING MONEY OR P	Friday	12/02/2016 12:00:00 AM	14:00	SOUTHERN	NONE	800 Block of BRYANT ST	-122.403405	37.775421	-

150500 rows × 13 columns

```
In [8]: 1 df.shape
Out[8]: (150500, 13)
In [10]: 1 df=df.iloc[0:100:]
```

In [11]: 1 df

Out[11]:

	IncidntNum	Category	Descript	DayOfWeek	Date	Time	PdDistrict	Resolution	Address	X	Υ	
0	120058272	WEAPON LAWS	POSS OF PROHIBITED WEAPON	Friday	01/29/2016 12:00:00 AM	11:00	SOUTHERN	ARREST, BOOKED	800 Block of BRYANT ST	-122.403405	37.775421	(3 -12
1	120058272	WEAPON LAWS	FIREARM, LOADED, IN VEHICLE, POSSESSION OR USE	Friday	01/29/2016 12:00:00 AM	11:00	SOUTHERN	ARREST, BOOKED	800 Block of BRYANT ST	-122.403405	37.775421	(3 -12
2	141059263	WARRANTS	WARRANT ARREST	Monday	04/25/2016 12:00:00 AM	14:59	BAYVIEW	ARREST, BOOKED	KEITH ST / SHAFTER AV	-122.388856	37.729981	(37 -12
3	160013662	NON-CRIMINAL	LOST PROPERTY	Tuesday	01/05/2016 12:00:00 AM	23:50	TENDERLOIN	NONE	JONES ST / OFARRELL ST	-122.412971	37.785788	(37 -12
4	160002740	NON-CRIMINAL	LOST PROPERTY	Friday	01/01/2016 12:00:00 AM	00:30	MISSION	NONE	16TH ST / MISSION ST	-122.419672	37.765050	(37 -12
95	160014858	OTHER OFFENSES	FRAUDULENT GAME OR TRICK, OBTAINING MONEY OR P	Wednesday	01/06/2016 12:00:00 AM	06:00	TARAVAL	NONE	2000 Block of 29TH AV	-122.486926	37.749084	(37 -12
96	160015163	NON-CRIMINAL	AIDED CASE	Wednesday	01/06/2016 12:00:00 AM	16:09	MISSION	NONE	14TH ST / FOLSOM ST	-122.415616	37.768536	(37 -1
97	160015276	BURGLARY	BURGLARY, UNLAWFUL ENTRY	Tuesday	01/05/2016 12:00:00 AM	20:00	PARK	NONE	1000 Block of COLE ST	-122.449752	37.764430	(37 -12
98	160015276	LARCENY/THEFT	GRAND THEFT FROM UNLOCKED AUTO	Tuesday	01/05/2016 12:00:00 AM	20:00	PARK	NONE	1000 Block of COLE ST	-122.449752	37.764430	(37 -12
99	160015282	LARCENY/THEFT	GRAND THEFT FROM LOCKED AUTO	Tuesday	01/05/2016 12:00:00 AM	17:00	TARAVAL	NONE	0 Block of ARDENWOOD WY	-122.472716	37.735268	(37 -12

100 rows × 13 columns

In [20]: 1 m

Out[20]: Make this Notebook Trusted to load map: File -> Trust Notebook

