```
In [3]:
        import pandas as pd
        import numpy as np
        data = "311 Service Requests 2020.csv"
        df = pd.read csv(data)
       /Users/zhengyingxiang/opt/anaconda3/envs/dataanalytics/lib/python3.8/site-packages/IPytho
       n/core/interactiveshell.py:3441: DtypeWarning: Columns (20,31,32) have mixed types.Specify
       dtype option on import or set low memory=False.
         exec(code obj, self.user global ns, self.user ns)
In [8]:
        df.info()
       <class 'pandas.core.frame.DataFrame'>
       RangeIndex: 2587316 entries, 0 to 2587315
       Data columns (total 41 columns):
        # Column
                                           Dtype
            ----
        0 Unique Key
                                           int64
        1 Created Date
                                          object
           Closed Date
                                          object
        3 Agency
                                         object
                                         object
        4 Agency Name
        5 Complaint Type
                                          object
        6
           Descriptor
                                         object
        7 Location Type
                                         object
        8 Incident Zip
                                         float64
        9 Incident Address
                                          object
        10 Street Name
                                         object
        11 Cross Street 1
                                         object
        12 Cross Street 2
                                         object
        13 Intersection Street 1
                                         object
        14 Intersection Street 2
                                         object
        15 Address Type
                                         object
        16 City
                                          object
        17 Landmark
                                          object
        18 Facility Type
                                         object
        19 Status
                                          object
        20 Due Date
                                          object
        21 Resolution Description
                                          object
        22 Resolution Action Updated Date object
        23 Community Board
                                          object
        24 BBL
                                          float64
        25 Borough
                                         object
        26 X Coordinate (State Plane)
                                         float64
        27 Y Coordinate (State Plane)
                                         float64
                                         object
        28 Open Data Channel Type
        29 Park Facility Name
                                         object
        30 Park Borough
                                         object
        31 Vehicle Type
                                         object
        32 Taxi Company Borough
                                         object
        33 Taxi Pick Up Location
                                         object
        34 Bridge Highway Name
                                          object
```

object

object

object

float64

float64

35 Bridge Highway Direction

dtypes: float64(6), int64(1), object(34)

37 Bridge Highway Segment

memory usage: 809.3+ MB

36 Road Ramp

38 Latitude

40 Location

39 Longitude

```
193721
 Out[5]:
 In [6]:
          N11=df['Complaint Type'].count()
          N11
         2587316
 Out[6]:
 In [9]:
          Global ratio=N1/N11
          Global ratio
         0.07487334365033108
 Out[9]:
 In [7]:
          N2=pd.Series(df[df['Incident Zip']==10025]['Complaint Type']).value counts()['Illegal Par
         792
 Out[7]:
In [10]:
          N22=df[df['Incident Zip']==10025]['Complaint Type'].count()
          N22
         20978
Out[10]:
In [11]:
          Local ratio=N2/N22
          Local ratio
         0.03775383735341787
Out[11]:
In [12]:
          higher parking proportion=Local ratio>Global ratio
          higher parking proportion
         False
Out[12]:
 In []:
```