

```
C:\Vivek\SimpliLearn\Projects>python "Customer Service Requests Analysis".py
sys:1: DtypeWarning: Columns (48,49) have mixed types.Specify dtype option on import or set low_memory=False.
```

```
datetime64[ns]
datetime64[ns]
```

```
0    00:55:15
1    01:26:16
2    04:51:31
3    07:45:14
4    03:27:02
```

```
Name: Request_Closing_Time, dtype: timedelta64[ns]
```

	Unique Key	Created Date		Closed Date		Agency	...	Latitude	Longitude	Location		Request_Closing_Time
0	32310363	2015-12-31	23:59:45	2016-01-01	00:55:00	NYPD	...	40.865682	-73.923501	(40.86568153633767,	-73.92350095571744)	00:55:15
1	32309934	2015-12-31	23:59:44	2016-01-01	01:26:00	NYPD	...	40.775945	-73.915094	(40.775945312321085,	-73.91509393898605)	01:26:16
2	32309159	2015-12-31	23:59:29	2016-01-01	04:51:00	NYPD	...	40.870325	-73.888525	(40.870324522111424,	-73.88852464418646)	04:51:31
3	32305098	2015-12-31	23:57:46	2016-01-01	07:43:00	NYPD	...	40.835994	-73.828379	(40.83599404683083,	-73.82837939584206)	07:45:14
4	32306529	2015-12-31	23:56:58	2016-01-01	03:24:00	NYPD	...	40.733060	-73.874170	(40.733059618956815,	-73.87416975810375)	03:27:02

```
[5 rows x 54 columns]
```

```
[5 rows x 54 columns]
(300698, 54)
Index(['Unique Key', 'Created Date', 'Closed Date', 'Agency', 'Agency Name',
      'Complaint Type', 'Descriptor', 'Location Type', 'Incident Zip',
      'Incident Address', 'Street Name', 'Cross Street 1', 'Cross Street 2',
      'Intersection Street 1', 'Intersection Street 2', 'Address Type',
      'City', 'Landmark', 'Facility Type', 'Status', 'Due Date',
      'Resolution Description', 'Resolution Action Updated Date',
      'Community Board', 'Borough', 'X Coordinate (State Plane)',
      'Y Coordinate (State Plane)', 'Park Facility Name', 'Park Borough',
      'School Name', 'School Number', 'School Region', 'School Code',
      'School Phone Number', 'School Address', 'School City', 'School State',
      'School Zip', 'School Not Found', 'School or Citywide Complaint',
      'Vehicle Type', 'Taxi Company Borough', 'Taxi Pick Up Location',
      'Bridge Highway Name', 'Bridge Highway Direction', 'Road Ramp',
      'Bridge Highway Segment', 'Garage Lot Name', 'Ferry Direction',
      'Ferry Terminal Name', 'Latitude', 'Longitude', 'Location',
      'Request_Closing_Time'],
      dtype='object')
```

```
Unique Key          int64
Created Date        datetime64[ns]
Closed Date         datetime64[ns]
Agency             object
Agency Name        object
Complaint Type      object
Descriptor          object
Location Type       object
Incident Zip        float64
Incident Address    object
Street Name         object
Cross Street 1      object
Cross Street 2      object
Intersection Street 1 object
Intersection Street 2 object
Address Type        object
City               object
Landmark           object
Facility Type       object
Status             object
Due Date           object
Resolution Description object
Resolution Action Updated Date object
Community Board     object
Borough            object
X Coordinate (State Plane) float64
Y Coordinate (State Plane) float64
Park Facility Name  object
Park Borough        object
School Name         object
```

```
Command Prompt
Park Borough object
School Name object
School Number object
School Region object
School Code object
School Phone Number object
School Address object
School City object
School State object
School Zip object
School Not Found object
School or Citywide Complaint float64
Vehicle Type float64
Taxi Company Borough float64
Taxi Pick Up Location float64
Bridge Highway Name object
Bridge Highway Direction object
Road Ramp object
Bridge Highway Segment object
Garage Lot Name float64
Ferry Direction object
Ferry Terminal Name object
Latitude float64
Longitude float64
Location object
Request_Closing_Time timedelta64[ns]
dtype: object
C:\Users\Wittybrains\AppData\Local\Programs\Python\Python38-32\lib\site-packages\pandas\core\generic.py:6245: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
self._update_inplace(new_data)
   Complaint Type  count
0  Blocked Driveway  77044
1  Illegal Parking  75361
2  Noise - Street/Sidewalk  48612
3  Noise - Commercial  35577
4  Derelict Vehicle  17718
5  Noise - Vehicle  17083
6  Animal Abuse  7778
7  Traffic  4498
8  Homeless Encampment  4416
9  Noise - Park  4042
Blocked Driveway  77044
Illegal Parking  75361
Noise - Street/Sidewalk  48612
Noise - Commercial  35577
Derelict Vehicle  17718
Name: Complaint Type, dtype: int64
Index(['Blocked Driveway', 'Illegal Parking', 'Noise - Street/Sidewalk',
```

```

Name: Complaint Type, dtype: int64
Index(['Blocked Driveway', 'Illegal Parking', 'Noise - Street/Sidewalk',
      'Noise - Commercial', 'Derelict Vehicle'],
      dtype='object')
0      True
1      True
2      True
3      True
4      True
...
300693  True
300694  True
300695  True
300696  True
300697  True
Name: Complaint Type, Length: 300698, dtype: bool
1      01:26:16
2      04:51:31
7      01:47:55
9      01:23:02
10     07:48:02
Name: Request_Closing_Time, dtype: timedelta64[ns]
3      07:45:14
4      03:27:02
5      01:53:30
6      01:57:28
8      08:33:02
Name: Request_Closing_Time, dtype: timedelta64[ns]
0      00:55:15
12     02:28:57
19     00:47:05
38     00:29:28
54     01:29:44
Name: Request_Closing_Time, dtype: timedelta64[ns]
17     00:51:08
18     02:56:01
22     01:15:42
29     02:29:59
30     01:59:09
Name: Request_Closing_Time, dtype: timedelta64[ns]
14     10:29:23
151    03:57:01
255    01:21:53
256    04:07:59
295    00:45:12

```

```
Name: Complaint Type, Length: 300698, dtype: bool
1    01:26:16
2    04:51:31
7    01:47:55
9    01:23:02
10   07:48:02
Name: Request_Closing_Time, dtype: timedelta64[ns]
3    07:45:14
4    03:27:02
5    01:53:30
6    01:57:28
8    08:33:02
Name: Request_Closing_Time, dtype: timedelta64[ns]
0    00:55:15
12   02:28:57
19   00:47:05
38   00:29:28
54   01:29:44
Name: Request_Closing_Time, dtype: timedelta64[ns]
17   00:51:08
18   02:56:01
22   01:15:42
29   02:29:59
30   01:59:09
Name: Request_Closing_Time, dtype: timedelta64[ns]
14   10:29:23
151  03:57:01
255  01:21:53
256  04:07:59
295  00:45:12
Name: Request_Closing_Time, dtype: timedelta64[ns]
0
0
0
0
0
0
0
F_onewayResult(statistic=1799.6005241537634, pvalue=0.0)

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```