Customer Service Requests Analysis

January 20, 2022

1 Name: Sunil Pradhan

- 1.1 Project: 1
- 1.2 Project Name: Customer Service Requests Analysis

```
[1]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
%matplotlib inline
```

```
[2]: df=pd.read_csv("311_Service_Requests_from_2010_to_Present.csv") df
```

C:\Users\sssun\anaconda3\lib\site-

packages\IPython\core\interactiveshell.py:3418: DtypeWarning: Columns (48,49)
have mixed types.Specify dtype option on import or set low_memory=False.
 exec(code_obj, self.user_global_ns, self.user_ns)

Fe3								,
[2]:		Unique Key	(Created Da	ate	Closed Date Ag	gency	\
0		32310363	12/31/2015	11:59:45	PM	01-01-16 0:55	NYPD	
1		32309934	12/31/2015	11:59:44	PM	01-01-16 1:26	NYPD	
2		32309159	12/31/2015	11:59:29	PM	01-01-16 4:51	NYPD	
3		32305098	12/31/2015	11:57:46	PM	01-01-16 7:43	NYPD	
4		32306529	12/31/2015	11:56:58	PM	01-01-16 3:24	NYPD	
•••		•••		•••				
30	00693	30281872	03/29/2015	12:33:41	AM	NaN	NYPD	
30	00694	30281230	03/29/2015	12:33:28	AM	03/29/2015 02:33:59 AM	NYPD	
30	00695	30283424	03/29/2015	12:33:03	AM	03/29/2015 03:40:20 AM	NYPD	
30	00696	30280004	03/29/2015	12:33:02	AM	03/29/2015 04:38:35 AM	NYPD	
30	00697	30281825	03/29/2015	12:33:01	AM	03/29/2015 04:41:50 AM	NYPD	
			Age	ency Name		Complaint Type \setminus		
0		New York Ci	ty Police De	epartment	No	ise - Street/Sidewalk		
1		New York Ci	ty Police De	epartment		Blocked Driveway		
2		New York Ci	ty Police De	epartment		Blocked Driveway		
3		New York Ci	ty Police De	epartment		Illegal Parking		
4		New York Ci	ty Police De	epartment		Illegal Parking		

```
Noise - Commercial
300693
        New York City Police Department
300694
        New York City Police Department
                                                   Blocked Driveway
300695
        New York City Police Department
                                                 Noise - Commercial
        New York City Police Department
                                                Noise - Commercial
300696
300697
        New York City Police Department
                                                Noise - Commercial
                           Descriptor
                                              Location Type
                                                              Incident Zip
0
                     Loud Music/Party
                                            Street/Sidewalk
                                                                    10034.0
1
                            No Access
                                            Street/Sidewalk
                                                                    11105.0
2
                            No Access
                                            Street/Sidewalk
                                                                    10458.0
3
        Commercial Overnight Parking
                                            Street/Sidewalk
                                                                    10461.0
4
                     Blocked Sidewalk
                                            Street/Sidewalk
                                                                    11373.0
300693
                     Loud Music/Party
                                        Club/Bar/Restaurant
                                                                        NaN
300694
                       Partial Access
                                            Street/Sidewalk
                                                                    11418.0
                     Loud Music/Party
                                        Club/Bar/Restaurant
300695
                                                                    11206.0
                     Loud Music/Party
                                        Club/Bar/Restaurant
300696
                                                                    10461.0
300697
                     Loud Music/Party
                                           Store/Commercial
                                                                    10036.0
                 Incident Address
                                   ... Bridge Highway Name
             71 VERMILYEA AVENUE
0
                                                       NaN
1
                  27-07 23 AVENUE
                                                       NaN
2
           2897 VALENTINE AVENUE
                                                       NaN
3
             2940 BAISLEY AVENUE
                                                       NaN
4
                    87-14 57 ROAD
                                                       NaN
300693
                                                       NaN
                  CRESCENT AVENUE
300694
                 100-17 87 AVENUE
                                                       NaN
300695
                162 THROOP AVENUE
                                                       NaN
300696
        3151 EAST TREMONT AVENUE
                                                       NaN
300697
              251 WEST 48 STREET
                                                       NaN
       Bridge Highway Direction Road Ramp Bridge Highway Segment
0
                             NaN
                                        NaN
                                                                 NaN
1
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300695
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300696
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300697
                             NaN
                                        NaN
                                                                NaN
```

Latitude \

Garage Lot Name Ferry Direction Ferry Terminal Name

```
1
                         NaN
                                          NaN
                                                                    40.775945
                                                               {\tt NaN}
     2
                         NaN
                                          NaN
                                                                    40.870325
     3
                         NaN
                                          NaN
                                                               {\tt NaN}
                                                                    40.835994
     4
                         NaN
                                                                    40.733060
                                          NaN
                                                               NaN
     300693
                                          NaN
                                                               NaN
                         NaN
                                                                          NaN
     300694
                         {\tt NaN}
                                          NaN
                                                               NaN
                                                                    40.694077
     300695
                         NaN
                                          NaN
                                                               {\tt NaN}
                                                                    40.699590
                         NaN
                                          NaN
                                                               NaN
     300696
                                                                    40.837708
     300697
                         NaN
                                          NaN
                                                               {\tt NaN}
                                                                    40.760583
             Longitude
                                                           Location
     0
            -73.923501
                          (40.86568153633767, -73.92350095571744)
     1
            -73.915094
                         (40.775945312321085, -73.91509393898605)
     2
            -73.888525
                        (40.870324522111424, -73.88852464418646)
     3
            -73.828379
                          (40.83599404683083, -73.82837939584206)
     4
            -73.874170
                         (40.733059618956815, -73.87416975810375)
     300693
                   NaN
                                                                NaN
     300694 -73.846087
                           (40.69407728322387, -73.8460866160573)
     300695 -73.944234
                          (40.69959035300927, -73.94423377144169)
     300696 -73.834587
                           (40.8377075854206, -73.83458731019586)
     300697 -73.985922
                          (40.76058322950115, -73.98592204392392)
     [300698 rows x 53 columns]
[3]: #renaming Column names to lower case and replacing " " with " "
     df.columns=list(map(lambda x: x.replace(' ', '_').lower(),df.columns))
[3]:
                                    created_date
             unique_key
                                                               closed_date agency
               32310363 12/31/2015 11:59:45 PM
                                                             01-01-16 0:55
     0
                                                                             NYPD
     1
               32309934 12/31/2015 11:59:44 PM
                                                             01-01-16 1:26
                                                                              NYPD
     2
               32309159 12/31/2015 11:59:29 PM
                                                             01-01-16 4:51
                                                                             NYPD
     3
               32305098 12/31/2015 11:57:46 PM
                                                             01-01-16 7:43
                                                                             NYPD
               32306529 12/31/2015 11:56:58 PM
                                                             01-01-16 3:24
                                                                             NYPD
               30281872 03/29/2015 12:33:41 AM
     300693
                                                                       NaN
                                                                             NYPD
     300694
               30281230 03/29/2015 12:33:28 AM
                                                   03/29/2015 02:33:59 AM
                                                                              NYPD
               30283424 03/29/2015 12:33:03 AM
                                                   03/29/2015 03:40:20 AM
                                                                              NYPD
     300695
     300696
               30280004
                          03/29/2015 12:33:02 AM
                                                   03/29/2015 04:38:35 AM
                                                                              NYPD
                                                   03/29/2015 04:41:50 AM
     300697
               30281825
                          03/29/2015 12:33:01 AM
                                                                              NYPD
                                  agency_name
                                                         complaint_type \
     0
             New York City Police Department Noise - Street/Sidewalk
     1
             New York City Police Department
                                                       Blocked Driveway
```

NaN

 ${\tt NaN}$

40.865682

0

NaN

```
2
        New York City Police Department
                                                  Blocked Driveway
3
        New York City Police Department
                                                    Illegal Parking
4
        New York City Police Department
                                                    Illegal Parking
300693
        New York City Police Department
                                                Noise - Commercial
        New York City Police Department
300694
                                                  Blocked Driveway
        New York City Police Department
300695
                                                Noise - Commercial
       New York City Police Department
300696
                                                Noise - Commercial
        New York City Police Department
                                                Noise - Commercial
300697
                           descriptor
                                              location_type
                                                              incident zip
0
                     Loud Music/Party
                                            Street/Sidewalk
                                                                    10034.0
                            No Access
1
                                            Street/Sidewalk
                                                                    11105.0
2
                            No Access
                                            Street/Sidewalk
                                                                    10458.0
3
        Commercial Overnight Parking
                                            Street/Sidewalk
                                                                    10461.0
4
                     Blocked Sidewalk
                                            Street/Sidewalk
                                                                    11373.0
300693
                     Loud Music/Party
                                        Club/Bar/Restaurant
                                                                        NaN
300694
                       Partial Access
                                            Street/Sidewalk
                                                                    11418.0
300695
                     Loud Music/Party
                                        Club/Bar/Restaurant
                                                                    11206.0
                     Loud Music/Party
                                        Club/Bar/Restaurant
300696
                                                                    10461.0
300697
                     Loud Music/Party
                                           Store/Commercial
                                                                    10036.0
                 incident address
                                   ... bridge_highway_name
0
             71 VERMILYEA AVENUE
                                                       NaN
1
                  27-07 23 AVENUE
                                                       NaN
           2897 VALENTINE AVENUE
                                                       NaN
3
             2940 BAISLEY AVENUE
                                                       NaN
4
                    87-14 57 ROAD
                                                       NaN
300693
                                                       NaN
                  CRESCENT AVENUE
300694
                 100-17 87 AVENUE
                                                       NaN
300695
               162 THROOP AVENUE
                                                       NaN
300696
        3151 EAST TREMONT AVENUE
                                                       NaN
300697
              251 WEST 48 STREET
                                                       NaN
       bridge_highway_direction road_ramp bridge_highway_segment
0
                             NaN
                                        NaN
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1
                             NaN
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300694
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```

garage_lot_name ferry_direction ferry_terminal_name latitude \ 0 NaN NaN 40.865682 1 NaN NaN ${\tt NaN}$ 40.775945 2 NaN NaN NaN40.870325 3 NaN NaN NaN40.835994 4 NaN NaN ${\tt NaN}$ 40.733060 300693 NaN NaN NaNNaN300694 NaN NaN NaN40.694077 300695 NaN NaN NaN 40.699590 300696 NaN NaN ${\tt NaN}$ 40.837708 300697 NaN NaN ${\tt NaN}$ 40.760583 longitude location 0 -73.923501 (40.86568153633767, -73.92350095571744)1 -73.915094 (40.775945312321085, -73.91509393898605)2 -73.888525 (40.870324522111424, -73.88852464418646) 3 -73.828379 (40.83599404683083, -73.82837939584206)4 -73.874170 (40.733059618956815, -73.87416975810375)300693 NaN NaN 300694 -73.846087 (40.69407728322387, -73.8460866160573) 300695 -73.944234 (40.69959035300927, -73.94423377144169) 300696 -73.834587 (40.8377075854206, -73.83458731019586) (40.76058322950115, -73.98592204392392) 300697 -73.985922

 ${\tt NaN}$

NaN

NaN

[300698 rows x 53 columns]

[4]: #check column names df.columns

```
'ferry_terminal_name', 'latitude', 'longitude', 'location'], dtype='object')
```

```
[5]: #setting index column
     df=df.set_index(df['unique_key'])
     df
[5]:
                                                                  closed_date agency \
                 unique_key
                                        created_date
     unique_key
     32310363
                   32310363
                              12/31/2015 11:59:45 PM
                                                                01-01-16 0:55
                                                                                NYPD
                             12/31/2015 11:59:44 PM
                                                                01-01-16 1:26
     32309934
                   32309934
                                                                                NYPD
     32309159
                   32309159
                              12/31/2015 11:59:29 PM
                                                                01-01-16 4:51
                                                                                NYPD
     32305098
                   32305098
                             12/31/2015 11:57:46 PM
                                                                01-01-16 7:43
                                                                                NYPD
     32306529
                             12/31/2015 11:56:58 PM
                                                                01-01-16 3:24
                   32306529
                                                                                NYPD
     30281872
                             03/29/2015 12:33:41 AM
                   30281872
                                                                          NaN
                                                                                NYPD
                             03/29/2015 12:33:28 AM
                                                      03/29/2015 02:33:59 AM
                                                                                NYPD
     30281230
                   30281230
     30283424
                   30283424
                             03/29/2015 12:33:03 AM
                                                      03/29/2015 03:40:20 AM
                                                                                NYPD
                             03/29/2015 12:33:02 AM
                                                      03/29/2015 04:38:35 AM
     30280004
                   30280004
                                                                                NYPD
                   30281825 03/29/2015 12:33:01 AM
                                                      03/29/2015 04:41:50 AM
     30281825
                                                                                NYPD
                                                             complaint_type \
                                      agency_name
    unique_key
                 New York City Police Department
     32310363
                                                   Noise - Street/Sidewalk
                 New York City Police Department
     32309934
                                                           Blocked Driveway
                 New York City Police Department
     32309159
                                                           Blocked Driveway
                 New York City Police Department
                                                            Illegal Parking
     32305098
     32306529
                 New York City Police Department
                                                            Illegal Parking
                 New York City Police Department
     30281872
                                                        Noise - Commercial
     30281230
                 New York City Police Department
                                                           Blocked Driveway
                 New York City Police Department
                                                        Noise - Commercial
     30283424
                 New York City Police Department
     30280004
                                                        Noise - Commercial
                 New York City Police Department
                                                        Noise - Commercial
     30281825
                                    descriptor
                                                      location_type incident_zip \
    unique_key
     32310363
                              Loud Music/Party
                                                    Street/Sidewalk
                                                                           10034.0
     32309934
                                     No Access
                                                    Street/Sidewalk
                                                                           11105.0
     32309159
                                     No Access
                                                    Street/Sidewalk
                                                                           10458.0
                 Commercial Overnight Parking
                                                    Street/Sidewalk
     32305098
                                                                           10461.0
                             Blocked Sidewalk
     32306529
                                                    Street/Sidewalk
                                                                           11373.0
     30281872
                              Loud Music/Party
                                                Club/Bar/Restaurant
                                                                               NaN
     30281230
                                Partial Access
                                                    Street/Sidewalk
                                                                           11418.0
```

Club/Bar/Restaurant

Club/Bar/Restaurant

11206.0

10461.0

Loud Music/Party

Loud Music/Party

30283424

30281825	Loud Mu	sic/Party	Store	e/Commercial	10036.0
	incident_ad	ldress b	ridge_hig	ghway_name \	
unique_key		•••			
32310363	71 VERMILYEA A	VENUE		NaN	
32309934	27-07 23 A	VENUE		NaN	
32309159	2897 VALENTINE A	VENUE		NaN	
32305098	2940 BAISLEY A			NaN	
32306529	87-14 57			NaN	
02000020	0, 11 0,			Ivaiv	
 30281872	CRESCENT A	WENIIE		 NaN	
30281230	100-17 87 A			NaN NaN	
30283424	162 THROOP A			NaN	
30280004	3151 EAST TREMONT A			NaN	
30281825	251 WEST 48 S	STREET		NaN	
	bridge_highway_direc	tion road	ramp brid	lge highway se	egment \
unique_key			r	-887	
32310363		NaN	NaN		NaN
32309934		NaN	NaN		NaN
32309159		NaN	NaN		NaN
32305098		NaN	NaN		NaN
32306529		NaN	NaN		NaN
	•••			•••	
30281872		NaN	NaN		NaN
30281230		NaN	NaN		NaN
30283424		NaN	NaN		NaN
30280004		NaN	NaN		NaN
30281825		NaN	NaN		NaN
	<pre>garage_lot_name ferr</pre>	v directio	on ferry t	erminal name	latitude \
unique_key	9a1a90_101_nam0 1011	<i>y_</i> u1100010	11 1011	, or mariar_name	14010440 (
32310363	NaN	Na	N	NaN	40.865682
32309934	NaN	Na		NaN	40.775945
32309159	NaN NaN	Na		NaN N-N	40.870325
32305098	NaN	Na		NaN	40.835994
32306529	NaN	Na	ιN	NaN	40.733060
30281872	NaN	Na		NaN	NaN
30281230	NaN	Na		NaN	40.694077
30283424	NaN	Na	ιN	NaN	40.699590
30280004	NaN	Na	ιN	NaN	40.837708
30281825	NaN	Na	ıN	NaN	40.760583
	longitude			location	1
unique_key					
32310363	-73.923501 (40.865	6815363376	37, -73.92	2350095571744))

```
32309934
           -73.915094
                       (40.775945312321085, -73.91509393898605)
32309159
                       (40.870324522111424, -73.88852464418646)
           -73.888525
32305098
           -73.828379
                         (40.83599404683083, -73.82837939584206)
                        (40.733059618956815, -73.87416975810375)
32306529
           -73.874170
30281872
                  NaN
                                                              NaN
30281230
           -73.846087
                          (40.69407728322387, -73.8460866160573)
30283424
           -73.944234
                         (40.69959035300927, -73.94423377144169)
                          (40.8377075854206, -73.83458731019586)
30280004
           -73.834587
           -73.985922
                         (40.76058322950115, -73.98592204392392)
30281825
```

[300698 rows x 53 columns]

unique_key

```
[6]: #dropping duplicated rows
df.drop_duplicates(inplace=True)
df
```

```
[6]:
                 unique_key
                                                                  closed_date agency
                                        created_date
     unique_key
     32310363
                   32310363
                             12/31/2015 11:59:45 PM
                                                                01-01-16 0:55
                                                                                 NYPD
     32309934
                             12/31/2015 11:59:44 PM
                                                                01-01-16 1:26
                                                                                 NYPD
                   32309934
                             12/31/2015 11:59:29 PM
     32309159
                   32309159
                                                                01-01-16 4:51
                                                                                NYPD
     32305098
                   32305098
                             12/31/2015 11:57:46 PM
                                                                01-01-16 7:43
                                                                                NYPD
     32306529
                   32306529
                             12/31/2015 11:56:58 PM
                                                                01-01-16 3:24
                                                                                NYPD
                      •••
     30281872
                   30281872
                             03/29/2015 12:33:41 AM
                                                                          NaN
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                             03/29/2015 12:33:28 AM
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                                                                                 NYPD
     30281230
                   30281230
     30283424
                   30283424
                             03/29/2015 12:33:03 AM
                                                       03/29/2015 03:40:20 AM
                                                                                 NYPD
                             03/29/2015 12:33:02 AM
                                                       03/29/2015 04:38:35 AM
     30280004
                   30280004
                                                                                 NYPD
     30281825
                   30281825 03/29/2015 12:33:01 AM
                                                       03/29/2015 04:41:50 AM
                                                                                 NYPD
                                                             complaint_type
                                      agency_name
    unique key
     32310363
                 New York City Police Department
                                                   Noise - Street/Sidewalk
                 New York City Police Department
     32309934
                                                           Blocked Driveway
     32309159
                 New York City Police Department
                                                           Blocked Driveway
                 New York City Police Department
                                                            Illegal Parking
     32305098
     32306529
                 New York City Police Department
                                                            Illegal Parking
                 New York City Police Department
                                                         Noise - Commercial
     30281872
                 New York City Police Department
     30281230
                                                           Blocked Driveway
                 New York City Police Department
     30283424
                                                         Noise - Commercial
                 New York City Police Department
     30280004
                                                         Noise - Commercial
     30281825
                 New York City Police Department
                                                         Noise - Commercial
                                    descriptor
                                                       location_type incident_zip \
```

32310363	Loud Music/Party	Street/Sidewalk	10034.0
32309934	No Access	Street/Sidewalk	11105.0
32309159	No Access	Street/Sidewalk	10458.0
32305098	Commercial Overnight Parking	Street/Sidewalk	10461.0
32306529	Blocked Sidewalk		11373.0
		•••	
30281872	Loud Music/Party		NaN
30281230	Partial Access	Street/Sidewalk	11418.0
30283424	Loud Music/Party	Club/Bar/Restaurant	11206.0
30280004	Loud Music/Party	Club/Bar/Restaurant	10461.0
30281825	Loud Music/Party	Store/Commercial	10036.0
	incident_address	bridge_highway_name \	
unique_key			
32310363	71 VERMILYEA AVENUE	NaN	
32309934	27-07 23 AVENUE	NaN	
32309159	2897 VALENTINE AVENUE	NaN	
32305098	2940 BAISLEY AVENUE	NaN	
32306529	87-14 57 ROAD	NaN	
30281872	CRESCENT AVENUE	NaN	
30281230	100-17 87 AVENUE	NaN	
30283424	162 THROOP AVENUE	NaN	
30280004	3151 EAST TREMONT AVENUE	NaN	
30281825	251 WEST 48 STREET	NaN	
	bridge_highway_direction road	_ramp bridge_highway_se	egment \
unique_key			
32310363	NaN	NaN	NaN
32309934	NaN	NaN	NaN
32309159	NaN	NaN	NaN
32305098	NaN	NaN	NaN
32306529	NaN	NaN	NaN
•••	•••		
30281872	NaN	NaN	NaN
30281230	NaN	NaN	NaN
30283424	NaN	NaN	NaN
30280004	NaN	NaN	NaN
30281825	NaN	NaN	NaN
unique_key	<pre>garage_lot_name ferry_direction</pre>	on ferry_terminal_name	latitude \
32310363		aN NaN	40.865682
32310303		aN NaN	40.775945
32309934		aN NaN	40.870325
32305098		aN NaN	40.835994
32306529	NaN Na	aN NaN	40.733060

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30281872
                        {\tt NaN}
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                                                                           NaN
30281230
                        NaN
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                                                               {\tt NaN}
                                                                    40.694077
30283424
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                                         NaN
                                                               NaN
                                                                    40.699590
30280004
                        NaN
                                         NaN
                                                                    40.837708
                                                               NaN
30281825
                        NaN
                                         NaN
                                                                    40.760583
                                                               NaN
            longitude
                                                           location
unique_key
32310363
           -73.923501
                          (40.86568153633767, -73.92350095571744)
                        (40.775945312321085, -73.91509393898605)
32309934
           -73.915094
32309159
           -73.888525
                       (40.870324522111424, -73.88852464418646)
                          (40.83599404683083, -73.82837939584206)
32305098
           -73.828379
                       (40.733059618956815, -73.87416975810375)
32306529
           -73.874170
30281872
                   NaN
                                                                NaN
30281230
           -73.846087
                           (40.69407728322387, -73.8460866160573)
           -73.944234
                          (40.69959035300927, -73.94423377144169)
30283424
                           (40.8377075854206, -73.83458731019586)
30280004
           -73.834587
                          (40.76058322950115, -73.98592204392392)
30281825
           -73.985922
```

[300698 rows x 53 columns]

[7]: #checking the info about of each column of the dataset df.info()

<class 'pandas.core.frame.DataFrame'>
Int64Index: 300698 entries, 32310363 to 30281825
Data columns (total 53 columns):

#	Column	Non-Null Count	Dtype
0	unique_key	300698 non-null	int64
1	created_date	300698 non-null	object
2	closed_date	298534 non-null	object
3	agency	300698 non-null	object
4	agency_name	300698 non-null	object
5	complaint_type	300698 non-null	object
6	descriptor	294784 non-null	object
7	location_type	300567 non-null	object
8	incident_zip	298083 non-null	float64
9	incident_address	256288 non-null	object
10	street_name	256288 non-null	object
11	cross_street_1	251419 non-null	object
12	cross_street_2	250919 non-null	object
13	intersection_street_1	43858 non-null	object
14	intersection_street_2	43362 non-null	object
15	address_type	297883 non-null	object

```
16 city
                                         298084 non-null
     17
         landmark
                                         349 non-null
                                                           object
         facility_type
     18
                                         298527 non-null object
     19
         status
                                         300698 non-null object
     20
         due date
                                         300695 non-null object
         resolution_description
                                         300698 non-null object
         resolution action updated date
                                         298511 non-null object
     23
         community_board
                                         300698 non-null object
     24
        borough
                                         300698 non-null object
     25
         x_coordinate_(state_plane)
                                         297158 non-null float64
     26
         y_coordinate_(state_plane)
                                         297158 non-null float64
     27
         park_facility_name
                                         300698 non-null object
     28
                                         300698 non-null object
         park_borough
     29
         school_name
                                         300698 non-null object
         school_number
                                         300698 non-null object
     31
        school_region
                                         300697 non-null object
     32
         school_code
                                         300697 non-null object
     33
        school_phone_number
                                         300698 non-null object
         school_address
     34
                                         300698 non-null object
     35
         school city
                                         300698 non-null object
     36
         school_state
                                         300698 non-null object
     37
         school zip
                                         300697 non-null object
                                         300698 non-null object
         school_not_found
         school_or_citywide_complaint
                                         0 non-null
                                                           float64
     40
                                         0 non-null
                                                          float64
        vehicle_type
     41
        taxi_company_borough
                                         0 non-null
                                                           float64
        taxi_pick_up_location
                                         0 non-null
                                                           float64
        bridge_highway_name
                                         243 non-null
                                                           object
     44
        bridge_highway_direction
                                         243 non-null
                                                           object
     45
        road_ramp
                                         213 non-null
                                                           object
         bridge_highway_segment
     46
                                         213 non-null
                                                           object
     47
         garage_lot_name
                                         0 non-null
                                                           float64
     48
        ferry_direction
                                         1 non-null
                                                           object
        ferry_terminal_name
                                         2 non-null
                                                           object
     50
        latitude
                                         297158 non-null float64
     51 longitude
                                         297158 non-null
                                                           float64
     52 location
                                         297158 non-null object
    dtypes: float64(10), int64(1), object(42)
    memory usage: 123.9+ MB
[8]: #changing the datatype of creted_date and closed_date
     df['created_date']=pd.to_datetime(df['created_date'])
     df['closed_date']=pd.to_datetime(df['closed_date'])
[9]: df.info()
    <class 'pandas.core.frame.DataFrame'>
```

object

Int64Index: 300698 entries, 32310363 to 30281825

	columns (total 53 columns):		
#	Column	Non-Null Count	Dtype
0	unique_key	300698 non-null	int64
1	created_date	300698 non-null	datetime64[ns]
2	closed_date	298534 non-null	
3	agency	300698 non-null	object
4	agency_name	300698 non-null	•
5	complaint_type	300698 non-null	<u> </u>
6	descriptor	294784 non-null	•
7	location_type	300567 non-null	object
8	incident_zip	298083 non-null	float64
9	incident_address	256288 non-null	object
10	street_name	256288 non-null	<u> </u>
11	cross_street_1	251419 non-null	•
12	cross_street_2	250919 non-null	•
13	intersection_street_1	43858 non-null	object
14	intersection_street_2	43362 non-null	object
15	address_type	297883 non-null	•
16	city	298084 non-null	object
17	landmark	349 non-null	object
18	facility_type	298527 non-null	object
19	status	300698 non-null	object
20	due_date	300695 non-null	object
21	resolution_description	300698 non-null	object
22	resolution_action_updated_date	298511 non-null	object
23	community_board	300698 non-null	object
24	borough	300698 non-null	object
25	<pre>x_coordinate_(state_plane)</pre>	297158 non-null	float64
26	<pre>y_coordinate_(state_plane)</pre>	297158 non-null	float64
27	park_facility_name	300698 non-null	object
28	park_borough	300698 non-null	object
29	school_name	300698 non-null	object
30	school_number	300698 non-null	object
31	school_region	300697 non-null	object
32	school_code	300697 non-null	object
33	school_phone_number	300698 non-null	object
34	school_address	300698 non-null	object
35	school_city	300698 non-null	object
36	school_state	300698 non-null	object
37	school_zip	300697 non-null	object
38	school_not_found	300698 non-null	object
39	school_or_citywide_complaint	0 non-null	float64
40	vehicle_type	0 non-null	float64
41	taxi_company_borough	0 non-null	float64
42	taxi_pick_up_location	0 non-null	float64
43	bridge_highway_name	243 non-null	object
44	bridge_highway_direction	243 non-null	object

```
45 road_ramp
                                           213 non-null
                                                            object
      46 bridge_highway_segment
                                           213 non-null
                                                            object
      47
          garage_lot_name
                                           0 non-null
                                                            float64
      48 ferry_direction
                                           1 non-null
                                                            object
         ferry terminal name
                                           2 non-null
                                                            object
         latitude
                                           297158 non-null float64
      50
      51 longitude
                                           297158 non-null float64
      52 location
                                           297158 non-null object
     dtypes: datetime64[ns](2), float64(10), int64(1), object(40)
     memory usage: 123.9+ MB
[10]: #calculating the Request_Closing_Time in terms of hours
      def req_closing_time(df):
          df['request_closing_time']=((df['closed_date']-df['created_date']).dt.
       \rightarrowseconds/60)/60
          df1=df[df['request_closing_time'].notnull()] #avoiding not null
          df_close_time=df1[df1['closed_date']>=df1['created_date']]
          return df_close_time
      df_new=req_closing_time(df)
      df new
[10]:
                  unique key
                                    created_date
                                                          closed_date agency \
      unique_key
                    32310363 2015-12-31 23:59:45 2016-01-01 00:55:00
      32310363
                                                                        NYPD
      32309934
                    32309934 2015-12-31 23:59:44 2016-01-01 01:26:00
                                                                        NYPD
                    32309159 2015-12-31 23:59:29 2016-01-01 04:51:00
      32309159
                                                                        NYPD
      32305098
                    32305098 2015-12-31 23:57:46 2016-01-01 07:43:00
                                                                        NYPD
                    32306529 2015-12-31 23:56:58 2016-01-01 03:24:00
      32306529
                                                                        NYPD
      30281370
                    30281370 2015-03-29 00:34:32 2015-03-29 01:13:01
                                                                        NYPD
      30281230
                    30281230 2015-03-29 00:33:28 2015-03-29 02:33:59
                                                                        NYPD
      30283424
                    30283424 2015-03-29 00:33:03 2015-03-29 03:40:20
                                                                        NYPD
      30280004
                    30280004 2015-03-29 00:33:02 2015-03-29 04:38:35
                                                                        NYPD
                    30281825 2015-03-29 00:33:01 2015-03-29 04:41:50
      30281825
                                                                        NYPD
                                                             complaint_type \
                                      agency_name
      unique_key
      32310363
                  New York City Police Department Noise - Street/Sidewalk
                  New York City Police Department
      32309934
                                                           Blocked Driveway
                  New York City Police Department
                                                           Blocked Driveway
      32309159
                  New York City Police Department
      32305098
                                                            Illegal Parking
                  New York City Police Department
      32306529
                                                            Illegal Parking
                  New York City Police Department
      30281370
                                                         Noise - Commercial
      30281230
                  New York City Police Department
                                                           Blocked Driveway
                  New York City Police Department
      30283424
                                                         Noise - Commercial
```

```
30280004
            New York City Police Department
                                                     Noise - Commercial
30281825
            New York City Police Department
                                                     Noise - Commercial
                                                   location_type incident_zip \
                                descriptor
unique_key
32310363
                         Loud Music/Party
                                                 Street/Sidewalk
                                                                        10034.0
                                 No Access
                                                 Street/Sidewalk
32309934
                                                                        11105.0
32309159
                                 No Access
                                                 Street/Sidewalk
                                                                        10458.0
32305098
             Commercial Overnight Parking
                                                 Street/Sidewalk
                                                                        10461.0
                         Blocked Sidewalk
32306529
                                                 Street/Sidewalk
                                                                        11373.0
30281370
                         Loud Music/Party
                                                Store/Commercial
                                                                        10002.0
30281230
                           Partial Access
                                                 Street/Sidewalk
                                                                        11418.0
30283424
                         Loud Music/Party
                                            Club/Bar/Restaurant
                                                                        11206.0
30280004
                         Loud Music/Party
                                             Club/Bar/Restaurant
                                                                        10461.0
30281825
                         Loud Music/Party
                                                Store/Commercial
                                                                        10036.0
                     incident_address
                                        ... bridge_highway_direction road_ramp
unique_key
32310363
                  71 VERMILYEA AVENUE
                                                                 NaN
                                                                            NaN
                      27-07 23 AVENUE
32309934
                                                                 NaN
                                                                            NaN
32309159
                2897 VALENTINE AVENUE
                                                                 NaN
                                                                           NaN
32305098
                  2940 BAISLEY AVENUE
                                                                 NaN
                                                                           NaN
32306529
                        87-14 57 ROAD
                                                                 NaN
                                                                           NaN
                                 ... ...
30281370
                     81 HESTER STREET
                                                                 NaN
                                                                           NaN
30281230
                     100-17 87 AVENUE
                                                                 NaN
                                                                            NaN
                    162 THROOP AVENUE
                                                                           NaN
30283424
                                                                 NaN
30280004
             3151 EAST TREMONT AVENUE
                                                                 NaN
                                                                           NaN
30281825
                   251 WEST 48 STREET
                                                                           NaN
                                                                 NaN
            bridge_highway_segment garage_lot_name ferry_direction
unique_key
32310363
                                NaN
                                                 NaN
                                                                  NaN
32309934
                                                 NaN
                                                                  NaN
                                NaN
32309159
                                NaN
                                                 NaN
                                                                  NaN
32305098
                                NaN
                                                 NaN
                                                                  NaN
32306529
                                                 NaN
                                NaN
                                                                  NaN
30281370
                                NaN
                                                 NaN
                                                                  NaN
30281230
                                NaN
                                                 NaN
                                                                  NaN
30283424
                                NaN
                                                 NaN
                                                                  NaN
30280004
                                                 NaN
                                NaN
                                                                  NaN
30281825
                                NaN
                                                 NaN
                                                                  NaN
            ferry_terminal_name
                                   latitude
                                            longitude
```

unique_key

```
32310363
                                 NaN
                                      40.865682 -73.923501
      32309934
                                 NaN 40.775945 -73.915094
      32309159
                                 NaN
                                      40.870325 -73.888525
      32305098
                                 NaN
                                      40.835994 -73.828379
      32306529
                                 NaN 40.733060 -73.874170
      30281370
                                 NaN 40.716053 -73.991378
      30281230
                                 NaN 40.694077 -73.846087
      30283424
                                 NaN 40.699590 -73.944234
      30280004
                                 NaN 40.837708 -73.834587
                                 NaN 40.760583 -73.985922
      30281825
                                                   location request_closing_time
      unique_key
      32310363
                   (40.86568153633767, -73.92350095571744)
                                                                        0.920833
                  (40.775945312321085, -73.91509393898605)
      32309934
                                                                        1.437778
                  (40.870324522111424, -73.88852464418646)
      32309159
                                                                        4.858611
                   (40.83599404683083, -73.82837939584206)
                                                                        7.753889
      32305098
                  (40.733059618956815, -73.87416975810375)
      32306529
                                                                        3.450556
      30281370
                   (40.71605290789855, -73.99137850370803)
                                                                        0.641389
                    (40.69407728322387, -73.8460866160573)
      30281230
                                                                        2.008611
      30283424
                   (40.69959035300927, -73.94423377144169)
                                                                        3.121389
                    (40.8377075854206, -73.83458731019586)
      30280004
                                                                        4.092500
      30281825
                   (40.76058322950115, -73.98592204392392)
                                                                        4.146944
      [298534 rows x 54 columns]
[11]: #most common complains
      common_complaints=pd.DataFrame(df_new.
       →groupby('complaint_type')['complaint_type'].count().
       →sort values(ascending=False)).rename(columns={'complaint type':'counts'})
      common_complaints
[11]:
                                 counts
      complaint_type
      Blocked Driveway
                                  76810
      Illegal Parking
                                  74532
      Noise - Street/Sidewalk
                                  48076
```

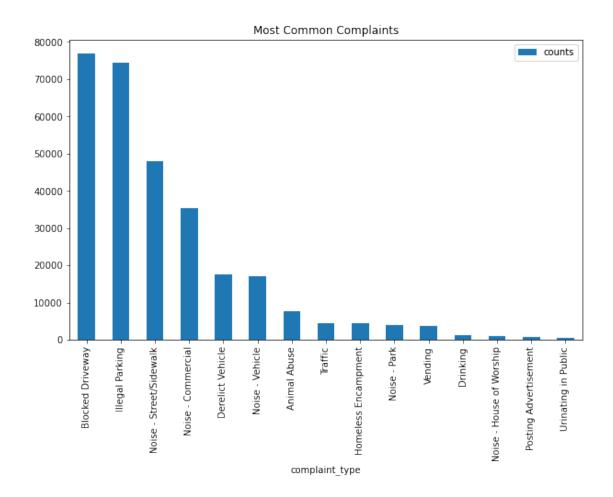
Noise - Commercial 35247 Derelict Vehicle 17588 Noise - Vehicle 17033 Animal Abuse 7768 Traffic 4496 Homeless Encampment 4416 Noise - Park 4022

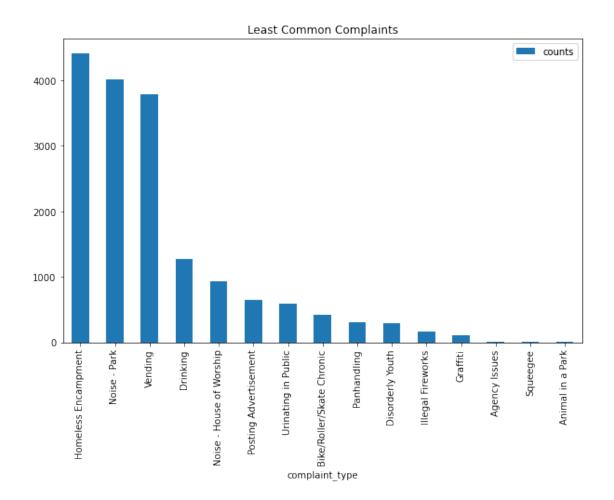
```
Vending
                             3795
Drinking
                             1275
Noise - House of Worship
                              929
Posting Advertisement
                              648
Urinating in Public
                              592
Bike/Roller/Skate Chronic
                              424
Panhandling
                              305
Disorderly Youth
                              286
Illegal Fireworks
                              168
Graffiti
                              113
Agency Issues
                                6
Squeegee
                                4
Animal in a Park
                                 1
```

```
[12]: common_complaints.shape
```

[12]: (23, 1)

[13]: <AxesSubplot:title={'center':'Most Common Complaints'}, xlabel='complaint_type'>

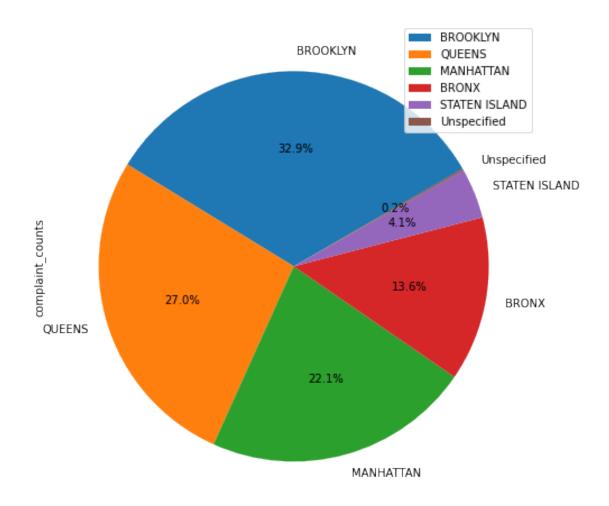




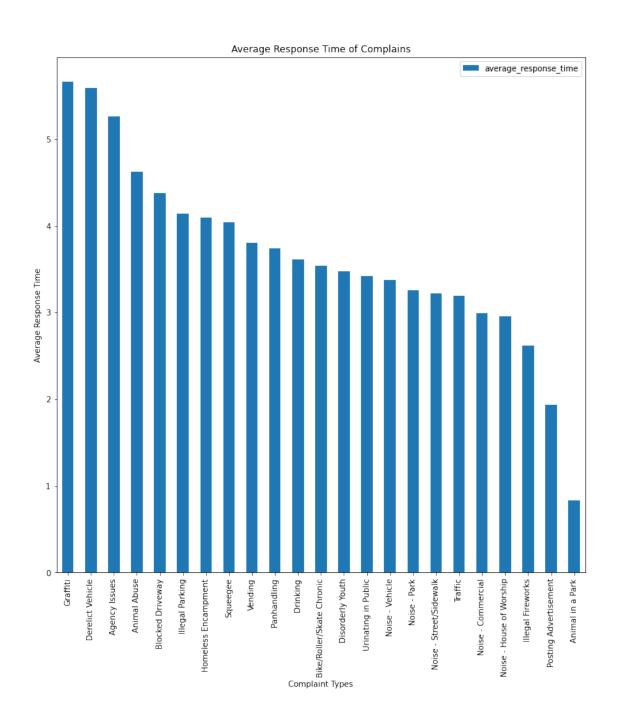
```
[15]: complaint_counts
borough
BROOKLYN 98295
QUEENS 80629
MANHATTAN 66109
BRONX 40697
STATEN ISLAND 12338
Unspecified 466
```

```
startangle=30,
figsize=(10,8),
subplots=True)
```

[16]: array([<AxesSubplot:ylabel='complaint_counts'>], dtype=object)



```
Agency Issues
                                         5.260324
Animal Abuse
                                         4.626220
Blocked Driveway
                                        4.384702
Illegal Parking
                                        4.143077
Homeless Encampment
                                        4.099266
                                        4.045625
Squeegee
Vending
                                         3.805223
Panhandling
                                        3.743260
Drinking
                                        3.617127
Bike/Roller/Skate Chronic
                                        3.540047
Disorderly Youth
                                        3.474668
Urinating in Public
                                        3.423962
Noise - Vehicle
                                        3.376230
Noise - Park
                                        3.255586
Noise - Street/Sidewalk
                                        3.221578
Traffic
                                        3.197791
Noise - Commercial
                                        2.991226
Noise - House of Worship
                                        2.960790
Illegal Fireworks
                                        2.618282
Posting Advertisement
                                        1.938766
Animal in a Park
                                        0.834722
```



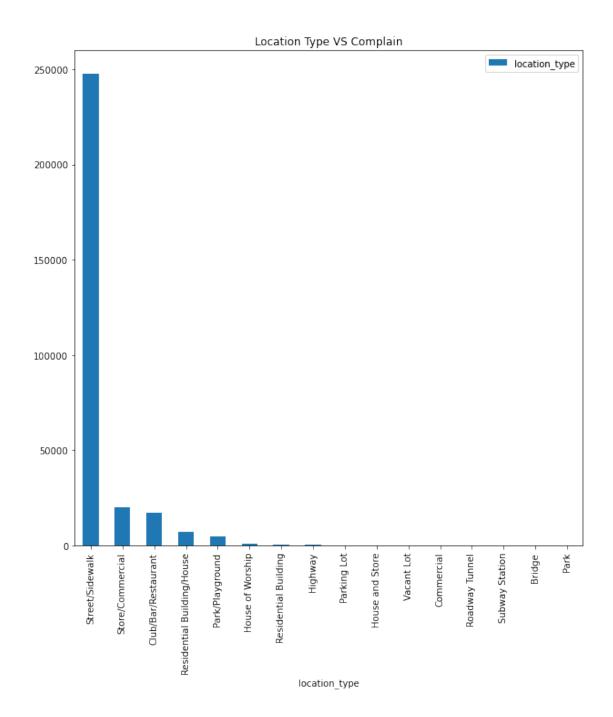
```
[19]: #finding the total complains from a location type
loc_complain=pd.DataFrame(df_new.groupby('location_type')['location_type'].

→count().sort_values(ascending=False)).rename(columns={'locatiob_type':

→'total_complain'})
loc_complain
```

```
[19]:
                                  location_type
     location_type
     Street/Sidewalk
                                         247503
     Store/Commercial
                                          20183
     Club/Bar/Restaurant
                                          17227
     Residential Building/House
                                           6953
     Park/Playground
                                           4751
     House of Worship
                                            927
     Residential Building
                                            227
     Highway
                                            214
     Parking Lot
                                            117
     House and Store
                                             93
     Vacant Lot
                                             77
     Commercial
                                             62
     Roadway Tunnel
                                             35
     Subway Station
                                             34
     Bridge
                                              2
     Park
                                              1
[20]: #ploting a graph between location type and total complain
      loc_complain.plot(kind='bar',
                       title="Location Type VS Complain",
                       figsize=(10,10))
[20]: <AxesSubplot:title={'center':'Location Type VS Complain'},
```

xlabel='location_type'>





```
[21]:
                                               request_closing_time
     location_type
                          complaint_type
     Bridge
                          Homeless Encampment
                                                           3.819306
      Club/Bar/Restaurant Drinking
                                                           4.019785
                          Noise - Commercial
                                                           2.891485
                          Urinating in Public
                                                           4.491429
                          Animal Abuse
      Commercial
                                                           4.568575
      Street/Sidewalk
                          Urinating in Public
                                                           3.209283
                          Vending
                                                           3.791013
      Subway Station
                          Animal Abuse
                                                           3.035606
                          Urinating in Public
                                                           1.152130
      Vacant Lot
                          Derelict Vehicle
                                                           4.045354
      [69 rows x 1 columns]
[22]: # doing statistical test to accept or reject the Null Hypothesis along with the
       [23]: #taking sample n=3000 from df new data set
      df sample=df new.sample(n=3000)
      df_sample
[23]:
                  unique_key
                                    created date
                                                         closed_date agency \
     unique_key
      30798380
                    30798380 2015-06-08 17:32:00 2015-06-08 19:17:00
                                                                       NYPD
                    31416544 2015-08-29 22:25:53 2015-08-30 02:59:10
      31416544
                                                                       NYPD
                    32111871 2015-12-02 20:57:00 2015-12-03 01:21:00
      32111871
                                                                       NYPD
      30762338
                    30762338 2015-06-03 09:44:00 2015-06-03 10:25:00
                                                                       NYPD
      32024879
                    32024879 2015-11-19 05:48:52 2015-11-19 07:40:24
                                                                       NYPD
                    31836267 2015-10-23 16:30:35 2015-10-23 23:55:50
      31836267
                                                                       NYPD
                    30523847 2015-05-01 23:40:00 2015-05-01 23:46:00
      30523847
                                                                       NYPD
      31967830
                    31967830 2015-11-12 10:48:00 2015-11-12 12:13:00
                                                                       NYPD
                    31911357 2015-11-04 09:00:00 2015-11-04 16:14:00
      31911357
                                                                       NYPD
                    30750159 2015-06-01 08:16:00 2015-06-01 09:47:00
      30750159
                                                                       NYPD
                                                            complaint_type \
                                      agency_name
     unique_key
      30798380
                  New York City Police Department
                                                           Illegal Parking
      31416544
                  New York City Police Department Noise - Street/Sidewalk
      32111871
                  New York City Police Department
                                                           Illegal Parking
                  New York City Police Department
      30762338
                                                                   Traffic
                  New York City Police Department
      32024879
                                                          Blocked Driveway
      31836267
                  New York City Police Department
                                                              Animal Abuse
```

30523847 31967830	· · · · · · · · · · · · · · · · · · ·	Police Departme		Noise - Commercial	
31911357	New York City	Police Departme		Blocked Driveway	
30750159	•	Police Departme		Blocked Driveway	
	•	•		v	
		descriptor		location_type	\
unique_key		1		_ 31	•
30798380	Commercial Ove	rnight Parking		Street/Sidewalk	
31416544		oud Music/Party		Street/Sidewalk	
32111871		Slocked Hydrant		Street/Sidewalk	
30762338		stion/Gridlock		Street/Sidewalk	
32024879	001160	No Access		Street/Sidewalk	
02021010		110 1100022		Dologo, Didowalli	
 31836267		Neglected	Regidenti	ial Building/House	
30523847	I o	oud Music/Party	nesidenti	Store/Commercial	
31967830	LC	NaN		Street/Sidewalk	
31911357		No Access		Street/Sidewalk	
				•	
30750159		No Access		Street/Sidewalk	
	:			h	
	incident_zip	incident_a	adress	bridge_highway_dir	ection (
unique_key	44044 0	40 117711770			37 37
30798380	11211.0	49 WITHERS			NaN
31416544	11103.0		NaN		NaN
32111871	10028.0	123 EAST 86			NaN
30762338	10065.0		NaN		NaN
32024879	11372.0	37-14 91	STREET		NaN
•••	•••	••		•••	
31836267	10032.0	638 WEST 160			NaN
30523847	10012.0	162 BLEECKER	STREET		NaN
31967830	10012.0	SULLIVAN	STREET		NaN
31911357	11223.0	2251 WEST 1			NaN
30750159	11238.0	381 VANDERBILT	AVENUE		NaN
	road_ramp bridg	ge_highway_segme	ent garage_	_lot_name ferry_dir	ection \setminus
unique_key					
30798380	NaN	Ŋ	JaN	NaN	NaN
31416544	NaN	N	JaN .	NaN	NaN
32111871	NaN	N	JaN .	NaN	NaN
30762338	NaN	Ŋ	JaN	NaN	NaN
32024879	NaN	Ŋ	JaN	NaN	NaN
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31836267	NaN	N	JaN .	NaN	NaN
30523847	NaN	N	NaN .	NaN	NaN
31967830	NaN	N	JaN .	NaN	NaN
31911357	NaN	N	JaN	NaN	NaN
30750159	NaN		JaN .	NaN	NaN

```
unique_key
      30798380
                                      40.716811 -73.950745
      31416544
                                 NaN
                                      40.766606 -73.916102
      32111871
                                 NaN 40.779800 -73.956281
      30762338
                                 NaN 40.764106 -73.966814
      32024879
                                 NaN 40.750126 -73.875866
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      30523847
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      31967830
                                 NaN 40.727040 -74.001901
      31911357
                                 NaN 40.593578 -73.971738
      30750159
                                 NaN 40.686839 -73.968565
                                                   location request_closing_time
      unique_key
      30798380
                   (40.71681122720942, -73.95074508128886)
                                                                        1.750000
      31416544
                   (40.76660569938249, -73.91610222233327)
                                                                        4.554722
      32111871
                   (40.779799952173455, -73.9562807458577)
                                                                        4.400000
      30762338
                  (40.764106304488124, -73.96681397472976)
                                                                        0.683333
                   (40.75012559409038, -73.87586631504297)
      32024879
                                                                        1.858889
      31836267
                  (40.836616474714596, -73.94517416195346)
                                                                        7.420833
                   (40.72860226543579, -74.00006494399899)
      30523847
                                                                        0.100000
                    (40.72704048347258, -74.0019013714094)
      31967830
                                                                        1.416667
      31911357
                  (40.593577633002255, -73.97173807219585)
                                                                        7.233333
                   (40.68683913968196, -73.96856515623011)
      30750159
                                                                        1.516667
      [3000 rows x 54 columns]
[24]: #finding average response time for request_closing_time
      avg_res_time= df_new['request_closing_time'].mean()
      avg_res_time
[24]: 3.929396621862499
[25]: #cheking the shape of sample
      df_sample.shape
[25]: (3000, 54)
[26]: #Shapiro-Wilk Test of Normality
      #HO: request_closing_time is normal
      from scipy.stats import shapiro
      stat,p= shapiro(df_sample.request_closing_time)
```

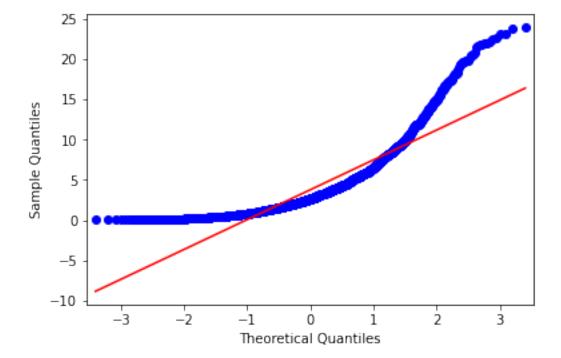
latitude longitude \

ferry_terminal_name

```
print(stat, p)
```

0.7971596717834473 0.0

As P-value=0.0 which is less than 0.05, we can reject the null hypothesis and there is evidence that data is not normally distributed population.



The above QQplot shows that the data is not normally distributed.

So, to check whether the average response time across complaint type are similar or not, we have to use non parametric test

Krushal Walis H Test

Reject H0: One or more samples are not equal

Fail to reject H0: All sample distribution are equal

```
[28]: complaint_types=df_new['complaint_type'].unique() complaint_types
```

```
[28]: array(['Noise - Street/Sidewalk', 'Blocked Driveway', 'Illegal Parking',
             'Derelict Vehicle', 'Noise - Commercial',
             'Noise - House of Worship', 'Posting Advertisement',
             'Noise - Vehicle', 'Animal Abuse', 'Vending', 'Traffic',
             'Drinking', 'Bike/Roller/Skate Chronic', 'Panhandling',
             'Noise - Park', 'Homeless Encampment', 'Urinating in Public',
             'Graffiti', 'Disorderly Youth', 'Illegal Fireworks',
             'Agency Issues', 'Squeegee', 'Animal in a Park'], dtype=object)
[29]: len(complaint_types)
[29]: 23
[30]: new=[]
      for i in complaint_types:
          new.append(df_new.loc[df_new['complaint_type']==i]['request_closing_time'].
       →ravel())
[31]: #Krushal Walis H Test
      from scipy.stats import kruskal
      stat,p= kruskal(new[0], new[1], new[2], new[3], new[4], new[5], new[6], new[7],
       \rightarrownew[8], new[9], new[10], new[11], new[12], new[13], new[14], new[15],
       \rightarrownew[16], new[17], new[18], new[19], new[20], new[21], new[22])
      print(stat, p)
     9982.384091190823 0.0
[32]: if p>0.05:
          print("Fail to reject HO. \nThe mean average response time across complaint ⊔
       →type are similar")
          print("reject HO. \nThe mean average response time across complaint type__
       →are not similar")
     reject HO.
     The mean average response time across complaint type are not similar
     now checking is the type of complaint or service requested or location related
     Chi-Square Test of independence
     H0: There is no statistically relationship between city and complaint type
     H1: There is a statistically relationship between city and complaint type
[33]: #contingency table for complaints
      cont_table=pd.crosstab(df_new['city'],df_new['complaint_type'], margins=True)
      cont_table
```

ARVERNE 38 0 ASTORIA 125 0 BAYSIDE 37 0 BELLEROSE 7 0 BREEZY POINT 2 0 BRONX 1415 0 BROOKLYN 2394 0 CAMBRIA HEIGHTS 11 0 CENTRAL PARK 0 0 COLLEGE POINT 28 0 CORONA 61 0 EAST ELMHURST 59 0 ELMHURST 38 0 East Elmhurst 0 0 FAR ROCKAWAY 89 0 FLORAL PARK 2 0 FLUSHING 143 0 FOREST HILLS 45 0 FRESH MEADOWS 45 0 GLEN OAKS 5 0 HOLLIS 33 0 HOWARD BEACH 31 0 HOWARD BEACH 31 0 HOWARD BEACH 31 0 HOWARD BEACH 31 0 LITTLE NECK 15 0 LONG ISLAND CITY 30 0 LITTLE NECK 15 0 LONG ISLAND CITY 30 0 LITTLE NECK 15 0 LONG ISLAND CITY 30 0 LITTLE NECK 15 0 LONG ISLAND CITY 30 0 LONG ISLAND CITY 30 0 LITTLE NECK 15 0 LONG ISLAND CITY 30 0 LITTLE NECK 15 0 LONG ISLAND CITY 30 0 LONG	[33]:	<pre>complaint_type city</pre>	Animal Abuse	Animal in a Par	ck \
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RIDGEWOOD 117 0 ROCKAWAY PARK 30 0 ROSEDALE 33 0 SAINT ALBANS 30 0		REGO PARK	26		0
ROCKAWAY PARK 30 0 ROSEDALE 33 0 SAINT ALBANS 30 0		RICHMOND HILL	32		0
ROSEDALE 33 0 SAINT ALBANS 30 0		RIDGEWOOD	117		0
SAINT ALBANS 30 0		ROCKAWAY PARK	30		0
		ROSEDALE	33		0
SOUTH OZONE PARK 55 0		SAINT ALBANS	30		0
		SOUTH OZONE PARK	55		0

26	0
24	0
557	0
35	0
28	0
45	0
69	0
0	0
7767	1
	24 557 35 28 45 69

complaint_type	Bike/Roller/Skate Chronic	Blocked Driveway	\
city			
ARVERNE	0	35	
ASTORIA	15	2618	
Astoria	0	116	
BAYSIDE	0	377	
BELLEROSE	1	95	
BREEZY POINT	0	3	
BRONX	20	12754	
BROOKLYN	111	28147	
CAMBRIA HEIGHTS	0	147	
CENTRAL PARK	0	0	
COLLEGE POINT	0	435	
CORONA	0	2761	
EAST ELMHURST	1	1408	
ELMHURST	2	1446	
East Elmhurst	0	0	
FAR ROCKAWAY	0	284	
FLORAL PARK	0	20	
FLUSHING	3	2794	
FOREST HILLS	5	663	
FRESH MEADOWS	0	503	
GLEN OAKS	0	30	
HOLLIS	0	342	
HOWARD BEACH	1	167	
Howard Beach	0	1	
JACKSON HEIGHTS	2	568	
JAMAICA	2	2817	
KEW GARDENS	0	313	
LITTLE NECK	0	121	
LONG ISLAND CITY	3	772	
Long Island City	0	34	
MASPETH	1	732	
MIDDLE VILLAGE	1	457	
NEW HYDE PARK	0	53	
NEW YORK	225	2070	
OAKLAND GARDENS	2	132	

OZONE PARK QUEENS QUEENS VILLAGE REGO PARK RICHMOND HILL RIDGEWOOD ROCKAWAY PARK ROSEDALE SAINT ALBANS SOUTH OZONE PARK SOUTH RICHMOND HILL SPRINGFIELD GARDENS STATEN ISLAND SUNNYSIDE WHITESTONE WOODHAVEN WOODSIDE Woodside All		1 0 0 0 0 3 0 2 0 1 1 0 7 2 4 2 4 0 422		1259 2 585 611 871 1693 70 211 244 942 1548 262 2142 206 208 1059 1613 11 76752		
<pre>complaint_type city</pre>	Derelict Vehicle	Disorderly Yo	outh	Drinking	Graffiti	\
ARVERNE	27		2	1	1	
ASTORIA	351		3	35	4	
Astoria	12		0	0	0	
BAYSIDE	198		1	1	3	
DEL I EDOGE					_	
BELLEROSE	89		2	1	0	
BELLERUSE BREEZY POINT	89 3		2	1 1		
				_	0	
BREEZY POINT	3		0	1	0 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS	3 1952 5179 115		0 63	1 188	0 0 9	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK	3 1952 5179 115 0		0 63 72 0 0	1 188 257 0	0 0 9 43 0	
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BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA	3 1952 5179 115 0 184 57		0 63 72 0 0 1 6	1 188 257 0 0 0 33	0 9 43 0 0 1 2	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST	3 1952 5179 115 0 184 57		0 63 72 0 0 1 6	1 188 257 0 0 0 33	0 9 43 0 0 1 2	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST	3 1952 5179 115 0 184 57 113		0 63 72 0 0 1 6 1	1 188 257 0 0 0 33 9	0 9 43 0 0 1 2 3	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst	3 1952 5179 115 0 184 57 113 78		0 63 72 0 0 1 6 1 2	1 188 257 0 0 0 33 9 13	0 9 43 0 0 1 2 3 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY	3 1952 5179 115 0 184 57 113 78 1		0 63 72 0 0 1 6 1 2	1 188 257 0 0 0 33 9 13 0 4	0 9 43 0 0 1 2 3 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST EAST ELMHURST FAR ROCKAWAY FLORAL PARK	3 1952 5179 115 0 184 57 113 78 1		0 63 72 0 0 1 6 1 2 0	1 188 257 0 0 0 33 9 13 0 4	0 0 9 43 0 0 1 2 3 0 0 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY FLORAL PARK FLUSHING	3 1952 5179 115 0 184 57 113 78 1 187 56		0 63 72 0 0 1 6 1 2 0 1 1	1 188 257 0 0 0 33 9 13 0 4 1 40	0 9 43 0 0 1 2 3 0 0 0 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY FLORAL PARK FLUSHING FOREST HILLS	3 1952 5179 115 0 184 57 113 78 1 187 56 440 52		0 63 72 0 0 1 6 1 2 0 1 1 2	1 188 257 0 0 0 33 9 13 0 4 1 40	0 0 9 43 0 0 1 2 3 0 0 0 0 4 3	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY FLORAL PARK FLUSHING	3 1952 5179 115 0 184 57 113 78 1 187 56		0 63 72 0 0 1 6 1 2 0 1 1	1 188 257 0 0 0 33 9 13 0 4 1 40	0 9 43 0 0 1 2 3 0 0 0 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY FLORAL PARK FLUSHING FOREST HILLS FRESH MEADOWS	3 1952 5179 115 0 184 57 113 78 1 187 56 440 52 291		0 63 72 0 0 1 6 1 2 0 1 1 2 1	1 188 257 0 0 0 33 9 13 0 4 1 40 1 2	0 0 9 43 0 0 1 2 3 0 0 0 0 4 3 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY FLORAL PARK FLUSHING FOREST HILLS FRESH MEADOWS GLEN OAKS	3 1952 5179 115 0 184 57 113 78 1 187 56 440 52 291		0 63 72 0 0 1 6 1 2 0 1 1 2 1 0	1 188 257 0 0 0 33 9 13 0 4 1 40 1 2	0 9 43 0 0 1 2 3 0 0 0 0 4 3 0	
BREEZY POINT BRONX BROOKLYN CAMBRIA HEIGHTS CENTRAL PARK COLLEGE POINT CORONA EAST ELMHURST ELMHURST East Elmhurst FAR ROCKAWAY FLORAL PARK FLUSHING FOREST HILLS FRESH MEADOWS GLEN OAKS HOLLIS	3 1952 5179 115 0 184 57 113 78 1 187 56 440 52 291 49 143		0 63 72 0 0 1 6 1 2 0 1 1 2 1 0 0	1 188 257 0 0 0 33 9 13 0 4 1 40 1 2 0 3	0 0 9 43 0 0 1 2 3 0 0 0 0 4 3 0 0	

JAMAICA	953	8	34	3
KEW GARDENS	14	0	1	0
LITTLE NECK	61	2	1	0
LONG ISLAND CITY	195	1	7	2
Long Island City	4	0	0	0
MASPETH	434	2	9	0
MIDDLE VILLAGE	296	0	2	0
NEW HYDE PARK	14	0	0	0
NEW YORK	537	69	295	22
OAKLAND GARDENS	86	1	1	0
OZONE PARK	420	4	19	0
QUEENS	1	0	0	0
QUEENS VILLAGE	370	0	5	1
REGO PARK	81	0	4	1
RICHMOND HILL	166	0	9	1
RIDGEWOOD	330	3	10	2
ROCKAWAY PARK	9	4	20	0
ROSEDALE	208	0	2	1
SAINT ALBANS	202	1	3	0
SOUTH OZONE PARK	358	2	13	0
SOUTH RICHMOND HILL	289	2	23	
				0
SPRINGFIELD GARDENS	210	0	6	0
STATEN ISLAND	1766	23	175	2
SUNNYSIDE	10	2	10	1
WHITESTONE	227	1	2	1
WOODHAVEN	308	0	3	0
WOODSIDE	247	1	15	3
Woodside	2	0	0	0
All	17542	286	1272	113
complaint_type	Homeless Encampment	Illegal Firewo	rks \	
city				
ARVERNE	4		0	
ASTORIA	32		4	
Astoria	0		0	
BAYSIDE	2		0	
BELLEROSE	1		1	
BREEZY POINT	0		0	
BRONX	247		24	
BROOKLYN	857		61	
CAMBRIA HEIGHTS	5		1	
CENTRAL PARK	0		0	
COLLEGE POINT	3		0	
CORONA	19		0	
EAST ELMHURST	2		0	
ELMHURST	32		1	
East Elmhurst	0		^	
nase nimitae	U		0	

FAR ROCKAWAY		14	0	•••	
FLORAL PARK		0	0	•••	
FLUSHING		26	2	•••	
FOREST HILLS		18	1	•••	
FRESH MEADOWS		5	0	•••	
GLEN OAKS		0	0	•••	
HOLLIS		9	0	•••	
HOWARD BEACH		3	3	•••	
Howard Beach		0	0	•••	
JACKSON HEIGHTS		11	1	•••	
JAMAICA		79	4	•••	
KEW GARDENS		5	0	•••	
LITTLE NECK		0	0	•••	
LONG ISLAND CITY		10	0	•••	
Long Island City		0	0	•••	
MASPETH		10	1	•••	
MIDDLE VILLAGE		5	0	•••	
NEW HYDE PARK		0	0	•••	
NEW YORK		2775	36	•••	
OAKLAND GARDENS		1	0	•••	
OZONE PARK		6 2	1	•••	
QUEENS QUEENS VILLAGE		2 15	0 5	•••	
REGO PARK		6	0	•••	
RICHMOND HILL		28	4	•••	
RIDGEWOOD		23	2	•••	
ROCKAWAY PARK		4	0		
ROSEDALE		4	0	•••	
SAINT ALBANS		8	0	•••	
SOUTH OZONE PARK		4	1	•••	
SOUTH RICHMOND HILL		11	2	•••	
SPRINGFIELD GARDENS		5	1	•••	
STATEN ISLAND		71	10	•••	
SUNNYSIDE		11	0	•••	
WHITESTONE		0	1	•••	
WOODHAVEN		9	0	•••	
WOODSIDE		33	1	•••	
Woodside		0	0	•••	
All		4415	168	***	
complaint_type	Noise - Park	Noise -	- Street/Sidewalk	Noise - Vehicle	\
city					
ARVERNE	2		29	7	
ASTORIA	61		386	204	
Astoria	0		114	0	
BAYSIDE	4		15	16	
BELLEROSE	1		13	10	

BRONK 547 8890 3396 BROOKLYN 1555 13554 5176 CAMBRIA HEIGHTS 0 25 777 CENTRAL PARK 0 95 0 COLLEGE POINT 2 33 131 CORDONA 24 238 100 EAST ELMHURST 5 107 61 ELHHURST 34 224 47 East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLORAL PARK 0 3 2 FUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADONS 8 42 88 GLEN DAKS 37 6 44 HOULLIS 17 41 47 HOWARD BEACH 2 1 1 HOWARD BEACH 2 1 1 HOWARD BEACH 2 1 1	BREEZY POINT	0	1	1
CAMBRIA HEIGHTS 0 25 77 CENTRAL PARK 0 95 0 COLLEGE POINT 2 33 131 CORONA 24 238 100 EAST ELNHURST 5 107 61 ELMHURST 34 224 47 EAST ELNHURST 0 0 0 FAR ROCKAWAY 23 136 77 FLORAL PARK 0 3 2 FULSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 HOWARD BEACH 2 2 6 0 <td>BRONX</td> <td>547</td> <td>8890</td> <td>3396</td>	BRONX	547	8890	3396
CENTRAL PARK 0 95 0 COLLEGE POINT 2 33 131 CORONA 24 238 100 EAST ELHHURST 5 107 61 ELHHURST 34 224 47 East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLORAL PARK 0 3 2 FUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 LOWARD BEACH 2 2 1 3	BROOKLYN	1555	13354	5176
COLLEGE POINT 2 33 131 CORONA 24 238 100 EAST ELMHURST 5 107 61 ELNHURST 34 224 47 East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOULIS 17 41 47 HOWARD BEACH 2 21 5 HOWALLS 3 21 5	CAMBRIA HEIGHTS	0	25	77
CORONA 24 238 100 EAST ELMHURST 5 107 61 ELMHURST 34 224 47 East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLORAL PARK 0 3 2 FUNHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOULIS 17 41 47 HOULIS 17 41 47 HOUARD BEACH 2 21 5 HOWARD BEACH 2 2 6 0 JACKSON HEIGHTS 8 21 2	CENTRAL PARK	0	95	0
EAST ELMHURST 5 107 61 ELHHURST 34 224 47 East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLUSHING 58 225 129 FUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 LOWARD BEACH 2 21 6	COLLEGE POINT	2	33	131
ELMHURST 34 224 47 East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLUSHING 58 225 129 FUSHING 58 225 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 HOWARD BEACH 2 21 5 HOWARD BEACH 2 21 1 5 HOWARD BEACH 2 21 1 3 3 322 2 6 0 0 2 2 1 1 1 </td <td></td> <td>24</td> <td>238</td> <td>100</td>		24	238	100
East Elmhurst 0 0 0 FAR ROCKAWAY 23 136 77 FLORAL PARK 0 3 2 FLUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 HOWARD BEACH 2 2 8 5 JACKSON HEIGHTS 3 21 17 4 JACKSON HEIGHTS 3 3	EAST ELMHURST	5	107	61
FAR ROCKAWAY 23 136 77 FLORAL PARK 0 3 2 FLUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 HOWARD BEACH 2 21 1 JAMAC 38 339 302 JAMAC 38 339 302 KEW GARDAND GARDENS 0 0 2	ELMHURST	34	224	47
FLORAL PARK 0 3 2 FLUSHING 58 225 129 FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 HOWARD BEACH 2 21 6 4 HOWARD BEACH 2 21 5 6 4 HOWARD BEACH 2 21 1 6 4 6 4 6 4 6 6 8 5 1 6 8 5 1 6 8 5 1 6 1 1 1 1 1 1 1 1 1 1 1 1				
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FOREST HILLS 20 95 57 FRESH MEADOWS 8 42 88 GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 HOWARD BEACH 0 0 0 JAMAICA 38 217 58 JAMAICA 38 339 302 KEW GARDENS 0 10 18 LITTLE NECK 2 8 5 LONG ISLAND CITY 54 123 107 Long Island City 0 26 0 MASPETH 3 121 19 MIDDLE VILLAGE 4 37 42 NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 122 66 41 <td></td> <td></td> <td></td> <td></td>				
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GLEN OAKS 37 6 4 HOLLIS 17 41 47 HOWARD BEACH 2 21 5 Howard Beach 0 0 0 JACKSON HEIGHTS 8 217 58 JAMATCA 38 339 302 KEW GARDENS 0 10 18 LITTLE NECK 2 8 5 LONG ISLAND CITY 54 123 107 Long Island City 0 26 0 MASPETH 3 121 19 MIDDLE VILLAGE 4 37 42 NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 1210 20426 5484 OAKLAND GARDENS 14 19 5 QUEENS 0 6 2 QUEENS 0 6 2 QUEENS VILLAGE 2 57 43 </td <td></td> <td></td> <td></td> <td></td>				
HOLLIS				
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Howard Beach 0 0 0 0 0 0 0 0 0				
JACKSON HEIGHTS 8 217 58 JAMAICA 38 339 302 KEW GARDENS 0 10 18 LITTLE NECK 2 8 5 LONG ISLAND CITY 54 123 107 Long Island City 0 26 0 MASPETH 3 121 19 MASPETH 3 121 19 MIDDLE VILLAGE 4 37 42 NEW HYDE PARK 0 0 2 NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 18 137 71 QUEENS 0 6 2 QUEENS VILLAGE 2 57 43 RICHMOND HILL 4 87 64 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROSEDALE 69 24 25				
JAMATCA 38 339 302 KEW GARDENS 0 10 18 LITTLE NECK 2 8 5 LONG ISLAND CITY 54 123 107 Long Island City 0 26 0 MASPETH 3 121 19 MIDDLE VILLAGE 4 37 42 NEW HYDE PARK 0 0 2 NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 18 137 71 QUEENS 0 6 2 QUEENS VILLAGE 2 66 41 REGO PARK 22 57 43 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41				-
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LONG ISLAND CITY 54 123 107 Long Island City 0 26 0 MASPETH 3 121 19 MIDDLE VILLAGE 4 37 42 NEW HYDE PARK 0 0 2 NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 18 137 71 QUEENS 0 6 2 QUEENS VILLAGE 2 66 41 REGO PARK 22 57 43 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816				
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MIDDLE VILLAGE 4 37 42 NEW HYDE PARK 0 0 2 NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 18 137 71 QUEENS 0 6 2 QUEENS VILLAGE 2 66 41 REGO PARK 22 57 43 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WODDHAVEN 3 86 <td< td=""><td>Long Island City</td><td></td><td></td><td>0</td></td<>	Long Island City			0
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NEW YORK 1210 20426 5484 OAKLAND GARDENS 14 19 5 OZONE PARK 18 137 71 QUEENS 0 6 2 QUEENS VILLAGE 2 66 41 REGO PARK 22 57 43 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74		4	37	
OAKLAND GARDENS 14 19 5 OZONE PARK 18 137 71 QUEENS 0 6 2 QUEENS VILLAGE 2 66 41 REGO PARK 22 57 43 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74		0	0	2
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QUEENS 0 6 2 QUEENS VILLAGE 2 66 41 REGO PARK 22 57 43 RICHMOND HILL 4 87 64 RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74				5
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RIDGEWOOD 28 433 217 ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74		22		
ROCKAWAY PARK 2 189 27 ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74				
ROSEDALE 69 24 25 SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74	RIDGEWOOD			217
SAINT ALBANS 1 79 41 SOUTH OZONE PARK 4 105 85 SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74				
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SOUTH RICHMOND HILL 2 91 81 SPRINGFIELD GARDENS 1 38 42 STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74		1		
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STATEN ISLAND 67 816 356 SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74	SOUTH RICHMOND HILL	2	91	81
SUNNYSIDE 15 65 48 WHITESTONE 6 33 28 WOODHAVEN 3 86 74				
WHITESTONE 6 33 28 WOODHAVEN 3 86 74				356
WOODHAVEN 3 86 74				
				28
WOODSIDE 38 250 105				
	WOODSIDE	38	250	105

All	Woodside	0		5	C)
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ARVERNE 1 0 0 0 0 ASTORIA 1 1 1 0 47 ASTORIA 1 1 1 0 47 ASTORIA 1 1 1 0 47 ASTORIA 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	complaint_type	Panhandling	Posting Advertisement	Squeegee	Traffic	\
ASTORIA 1 1 0 47 ASTORIA 0 0 0 0 0 0 BAYSIDE 0 0 0 0 0 9 BELLEROSE 1 1 1 0 7 BREEZY POINT 0 0 0 0 0 BROWX 19 17 0 355 BROOKLYN 49 45 0 1085 CAMERIA HEIGHTS 0 0 0 0 6 CENTRAL PARK 0 0 0 0 0 COLLEGE POINT 0 0 0 1 0 COCLLEGE POINT 0 0 0 1 0 CORONA 1 1 1 0 12 EAST ELMHURST 0 1 0 0 0 1 EAST ELMHURST 3 1 0 14 EAST ELMHURST 3 1 0 14 EAST ELMHURST 3 1 0 14 EAST ELMHURST 3 1 0 10 FAR ROCKAWAY 0 0 0 0 0 FAR ROCKAWAY 0 0 0 0 0 FLUSHING 2 1 0 0 0 FLUSHING 2 1 0 0 0 FRUSHING 1 0 0 0 13 GLEN OAKS 0 0 0 13 GLEN OAKS 0 0 0 13 GLEN OAKS 0 0 0 0 11 HOWARD BEACH 1 0 0 0 9 HOWARD BEACH 1 0 0 0 0 JACKSON HEIGHTS 1 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 0 10 LITTLE NECK 0 1 0 72 LONG ISLAND CITY 2 1 0 72 LONG ISLAND CITY 1 0 0 0 0 MASPETH 0 0 0 0 0 0 0 0 0 MASPETH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	city	_	_			
ASTOTIA BAYSIDE O BAYSIDE O BELLEROSE 1 1 1 O 7 BREEZY POINT O O O BRONX 19 17 O 355 BROOKLYN 49 45 O O CAMBRIA HEIGHTS O O COLLEGE POINT O O COLLEGE POINT O COLLEGE POINT O O O O O COLLEGE POINT O O O O O FAR ROCKAWAY O O O O O FAR ROCKAWAY O O O O FELSHING C FUSHING C C FUSHING C C C C C C C C C C C C C	ARVERNE	1	0	0	0	
BAYSIDE 0 0 9 BELLEROSE 1 1 0 7 BREEZY POINT 0 0 0 0 BRONX 19 17 0 355 BROOKLYN 49 45 0 1085 CAMBRIA HEIGHTS 0 0 0 6 CENTRAL PARK 0 0 0 0 COLLEGE POINT 0 0 14 0 12 CEAST ELMHURST 0 1 0 12 2 EAST ELMHURST 0 1 0 12 2 2 1 0 14 20 0 14 2 0 14 20 0 14 2 0 14 20 0 14 2 0 14 2 0 14 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASTORIA	1	1	0	47	
BELLEROSE 1 1 0 7 BREEZY POINT 0 0 0 0 BRONX 19 17 0 355 BROOKLYN 49 45 0 1085 CAMBRIA HEIGHTS 0 0 0 0 CAMBRIA HEIGHTS 0 0 0 0 CENTRAL PARK 0 0 0 0 CORONA 1 1 0 12 EAST ELMHURST 3 1 0 12 EAST ELMHURST 3 1 0 14 East Elmhurst 0 0 0 0 0 FAR ROCKAWAY 0 1 0	Astoria	0	0	0	0	
BREEZY POINT 0	BAYSIDE	0	0	0	9	
BRONX 19 17 0 355 BROOKLYN 49 45 0 1085 CAMBRIA HEIGHTS 0 0 0 6 CENTRAL PARK 0 0 0 0 COLLEGE POINT 0 0 0 14 CORONA 1 1 0 12 EAST ELMHURST 0 1 0 20 ELMHURST 3 1 0 14 East Elmhurst 0 0 0 0 FAR ROCKAWAY 0 0 0 0 FAR ROCKAWAY 0 0 0 0 FLUSHING 2 1 0 0 0 FLUSHING 2 1 0 0 0 FRESH MEADOWS 1 0 0 13 GLEN OAKS 0 0 0 13 GLEN OAKS 0 0 0 11 <	BELLEROSE	1	1	0	7	
BROOKLYN	BREEZY POINT	0	0	0	0	
CAMBRIA HEIGHTS	BRONX	19	17	0	355	
CENTRAL PARK O	BROOKLYN	49	45	0	1085	
COLLEGE POINT 0 0 14 CORONA 1 1 0 12 EAST ELMHURST 0 1 0 20 ELMHURST 3 1 0 14 East Elmhurst 0 0 0 0 FAR ROCKAWAY 0 0 0 0 FLORAL PARK 0 0 0 0 FLUSHING 2 1 0 47 FOREST HILLS 5 3 0 60 FRESH MEADOWS 1 0 0 13 GLEN OAKS 0 0 0 13 HOLLIS 0 0 0 13 HOULIS 0 0 0 11 HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JAMAICA 3 7 0 56 KEW GARDENS 0 0	CAMBRIA HEIGHTS	0	0	0	6	
CORONA 1 0 12 EAST ELMHURST 0 1 0 20 ELMHURST 3 1 0 20 ELMHURST 3 1 0 14 East Elmhurst 0 0 0 0 FAR ROCKAWAY 0 0 0 0 FLORAL PARK 0 0 0 0 FLUSHING 2 1 0 47 FOREST HILLS 5 3 0 60 FRESH MEADOWS 1 0 0 13 GLEN OAKS 0 0 0 13 GLEN OAKS 0 0 0 13 GLEN OAKS 0 0 0 11 HOWARD BEACH 1 0 0 0 HOWARD BEACH 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 1 1	CENTRAL PARK	0	0	0	0	
EAST ELMHURST	COLLEGE POINT	0	0	0	14	
ELMHURST 3 1 0 14 East Elmhurst 0 0 0 0 0 0 FAR ROCKAWAY 0 0 0 0 0 10 FLORAL PARK 0 0 0 0 0 0 FLUSHING 2 1 1 0 47 FOREST HILLS 5 3 0 60 FRESH MEADOWS 1 0 0 0 13 GLEN OAKS 0 0 0 0 13 GLEN OAKS 0 0 0 0 11 HOWARD BEACH 1 0 0 0 9 Howard Beach 0 0 0 0 0 JACKSON HEIGHTS 1 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 1 0 72 Long Island City 0 0 0 0 55 MIDDLE VILLAGE 0 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 0 0 10 CUENS 0 0 0 0 0 0 REGO PARK 7 3 0 19 QUEENS 0 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 1 0 7	CORONA	1	1	0	12	
East Elmhurst 0 0 0 0 0 10 FAR ROCKAWAY 0 0 0 0 10 FAR ROCKAWAY 0 0 0 0 0 10 FLORAL PARK 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	EAST ELMHURST	0	1	0	20	
FAR ROCKAWAY FLORAL PARK O FLUSHING PREST HILLS FOREST HILLS FOREST HILLS FRESH MEADOWS I GLEN OAKS O O O O O O THUSHING I FOREST HILLS I O O O O I THESH MEADOWS I O O O O I THESH MEADOWS I O O O O I THESH MEADOWS I THESH M	ELMHURST	3	1	0	14	
FLORAL PARK 0 0 0 0 0 0 FLUSHING 2 1 1 0 47 FOREST HILLS 5 3 3 0 60 FRESH MEADOWS 1 0 0 0 13 GLEN OAKS 0 0 0 0 3 HOLLIS 0 0 0 0 11 HOWARD BEACH 1 0 0 0 9 Howard Beach 0 0 0 0 0 13 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 1 0 17 LONG ISLAND CITY 2 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 55 MIDDLE VILLAGE 0 0 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 0 0 6 COUNCE PARK 7 3 0 19 QUEENS 0 0 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 0 14 RICHMOND HILL 0 1 1 0 7 RIDGEWOOD 0 0 14 RICHMOND HILL 0 1 1 0 7 RIDGEWOOD 1 1 0 14	East Elmhurst	0	0	0	0	
FLUSHING 2 1 0 47 FOREST HILLS 5 3 0 60 FRESH MEADOWS 1 0 0 13 GLEN OAKS 0 0 0 3 HOLLIS 0 0 0 11 HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 0 NEW HYDE PARK 0 0 0 0 OAKLAND GARDENS	FAR ROCKAWAY	0	0	0	10	
FOREST HILLS 5 3 0 60 FRESH MEADOWS 1 0 0 13 GLEN OAKS 0 0 0 3 HOLLIS 0 0 0 11 HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 0 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 6 OZONE PARK 193 41 4 1548 OZUNE PARK	FLORAL PARK	0	0	0	0	
FRESH MEADOWS 1 0 0 13 GLEN OAKS 0 0 0 3 HOLLIS 0 0 0 11 HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 0 NEW HYDE PARK 0 0 0 0 OAKLAND GARDENS 0 0 0 0 QUEENS	FLUSHING	2	1	0	47	
GLEN OAKS 0 0 3 HOLLIS 0 0 0 11 HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 0 MIDDLE VILLAGE 0 0 0 0 NEW HYDE PARK 0 0 0 0 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1	FOREST HILLS	5	3	0	60	
HOLLIS 0 0 11 HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 0 55 MIDDLE VILLAGE 0 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 0 OAKLAND GARDENS 0 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0	FRESH MEADOWS	1	0	0	13	
HOWARD BEACH 1 0 0 9 Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 1 REGO PARK	GLEN OAKS	0	0	0	3	
Howard Beach 0 0 0 0 JACKSON HEIGHTS 1 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 1 4	HOLLIS	0	0	0	11	
JACKSON HEIGHTS 1 0 13 JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 1 0 REGO PARK 0 0 0 1 0 7 RIGHT 0 1 0 7 0 0 1 0 7 QUEENS VILLAGE 1 0 <td>HOWARD BEACH</td> <td>1</td> <td>0</td> <td>0</td> <td>9</td> <td></td>	HOWARD BEACH	1	0	0	9	
JAMAICA 3 7 0 560 KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	Howard Beach	0	0	0	0	
KEW GARDENS 0 0 0 10 LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	JACKSON HEIGHTS	1	1	0	13	
LITTLE NECK 0 1 0 17 LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	JAMAICA	3	7	0	560	
LONG ISLAND CITY 2 1 0 72 Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 14 0 7 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	KEW GARDENS	0	0	0	10	
Long Island City 0 0 0 0 MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	LITTLE NECK	0	1	0	17	
MASPETH 0 0 0 55 MIDDLE VILLAGE 0 0 0 12 NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	LONG ISLAND CITY	2	1	0	72	
MIDDLE VILLAGE 0 0 12 NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	Long Island City	0	0	0	0	
NEW HYDE PARK 0 0 0 0 NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 14 0 7 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	MASPETH	0	0	0	55	
NEW YORK 193 41 4 1548 OAKLAND GARDENS 0 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	MIDDLE VILLAGE	0	0	0	12	
OAKLAND GARDENS 0 0 6 OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	NEW HYDE PARK	0	0	0	0	
OZONE PARK 7 3 0 19 QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	NEW YORK	193	41	4	1548	
QUEENS 0 0 0 2 QUEENS VILLAGE 1 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	OAKLAND GARDENS	0	0	0	6	
QUEENS VILLAGE 1 0 26 REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	OZONE PARK	7	3	0	19	
REGO PARK 0 0 0 14 RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	QUEENS	0	0	0	2	
RICHMOND HILL 0 1 0 7 RIDGEWOOD 0 1 0 42	QUEENS VILLAGE	1	1	0	26	
RIDGEWOOD 0 1 0 42	REGO PARK	0	0	0	14	
	RICHMOND HILL	0	1	0	7	
ROCKAWAY PARK 0 0 0 7	RIDGEWOOD	0	1	0	42	
	ROCKAWAY PARK	0	0	0	7	

ROSEDALE	0		0	0	
SAINT ALBANS	0		0	0	
SOUTH OZONE PARK	0		1	0	
SOUTH RICHMOND HILL	0		0	0	
SPRINGFIELD GARDENS	2		2	0	
STATEN ISLAND	12		515	0	
SUNNYSIDE	0		2	0	
WHITESTONE	0		0	0	
WOODHAVEN	0		0	0	
WOODSIDE	0		0	0	
Woodside	0		0	0	
All	305		648	4	
complaint_type	Urinating in Public	Vending	All		
city					
ARVERNE	1	1	220		
ASTORIA	9	54	6330		
Astoria	0	0	716		
BAYSIDE	0	2	1221		
BELLEROSE	1	0	375		
BREEZY POINT	0	0	30		
BRONX	51	379	40697		
BROOKLYN	136	515	98295		
CAMBRIA HEIGHTS	0	0	477		
CENTRAL PARK	0	0	97		
COLLEGE POINT	0	1	1220		
CORONA	7	62	4295		
EAST ELMHURST	5	9	2733		
ELMHURST	10	21	2673		
East Elmhurst	0	0	14		
FAR ROCKAWAY	1	9	1179		
FLORAL PARK	0	0	152		
FLUSHING	12	33	5970		
FOREST HILLS	2	10	1688		
FRESH MEADOWS	1	1	1899		
GLEN OAKS	2	18	306		
HOLLIS	2	0	1012		
HOWARD BEACH	0	5	931		
Howard Beach	0	0	1		
JACKSON HEIGHTS	2	78	1688		
JAMAICA	33	20	7294		
KEW GARDENS	3	1	771		
LITTLE NECK	1	0	559		
LONG ISLAND CITY	3	30	2436		
T T 1 1 01.	^	^	404		

Long Island City

MIDDLE VILLAGE

MASPETH

```
NEW YORK
                                              251
                                                       2398
                                                               65972
      OAKLAND GARDENS
                                                0
                                                          2
                                                                 551
      OZONE PARK
                                                4
                                                                2755
                                                          1
      QUEENS
                                                1
                                                          0
                                                                  32
      QUEENS VILLAGE
                                                5
                                                          2
                                                                1814
      REGO PARK
                                                1
                                                          3
                                                                1486
      RICHMOND HILL
                                                5
                                                         13
                                                                1902
      RIDGEWOOD
                                                8
                                                          8
                                                                5162
      ROCKAWAY PARK
                                                1
                                                          2
                                                                 745
      ROSEDALE
                                                0
                                                         16
                                                                 922
      SAINT ALBANS
                                                1
                                                          2
                                                                 834
      SOUTH OZONE PARK
                                                2
                                                          5
                                                                2173
      SOUTH RICHMOND HILL
                                                0
                                                         24
                                                                2774
      SPRINGFIELD GARDENS
                                                3
                                                          1
                                                                 883
      STATEN ISLAND
                                               14
                                                         25
                                                               12338
                                                2
      SUNNYSIDE
                                                         15
                                                                 723
      WHITESTONE
                                                0
                                                          1
                                                                1098
                                                2
      WOODHAVEN
                                                          6
                                                                2463
                                                8
      WOODSIDE
                                                         15
                                                                3544
      Woodside
                                                0
                                                          0
                                                                 120
      A11
                                              592
                                                       3794 298028
      [54 rows x 23 columns]
[34]: cont_table.shape
[34]: (54, 23)
[35]: observed_values=cont_table.values
[36]: observed_values
[36]: array([[
                             0,
                                     0, ...,
                                                                 220],
                   38,
                                                 1,
                                                          1,
                  125,
                                    15, ...,
                                                         54,
                                                                6330],
              Γ
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                                     0, ...,
                                                 0,
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                                                                 716],
              ...,
              69,
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                                     4, ...,
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                                                         15,
                                                                3544],
              0, ...,
                                                                 120],
                    0,
                             0,
                                                 Ο,
                                                          0,
                                                       3794, 298028]], dtype=int64)
              [ 7767,
                                   422, ...,
                             1,
                                               592,
[39]: #chi-square test
      from scipy import stats
      ch=stats.chi2_contingency(observed_values)
      p_val=ch[1]
```

0

98

0

NEW HYDE PARK

Reject the Null Hypothesis.

There is a relation between complaint type and location