

## ▼ Chapter 8 - Exercise 1: Geojson\_hcmc

```
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import geopandas as gpd
```

```
# Câu 1: Đọc file dữ liệu ranh giới các quận - khu vực của TP.HCM (district-boundary-hcm-city)
district = gpd.read_file('data\district-boundary-hcm-city.geojson')
```

```
# Hiển thị 5 dòng đầu của dữ liệu
district.head()
```



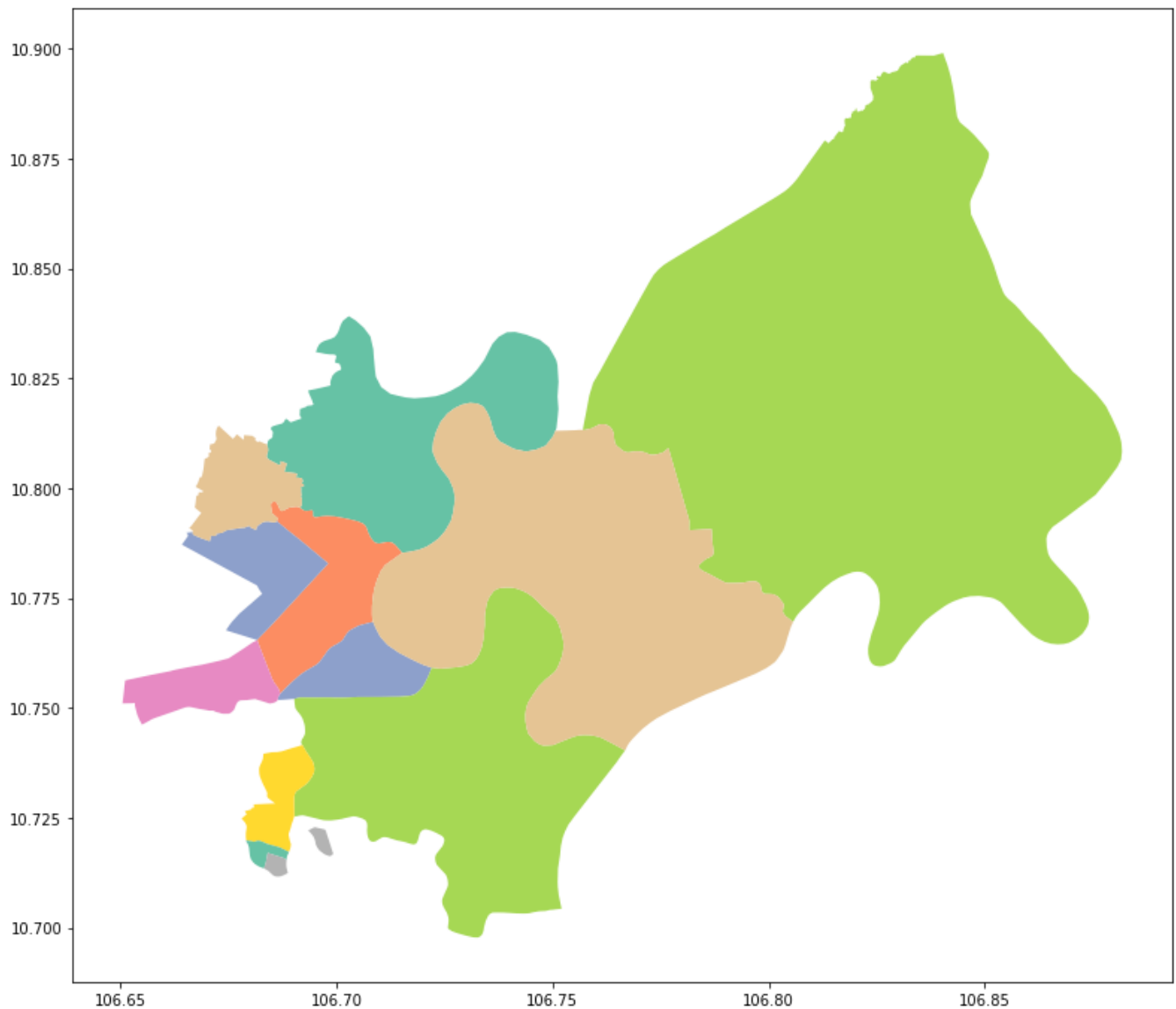
	id	name	localname	timestamp	SRID	admin_level	tags	geometry
0	3850184	Saigon South	Khu đô thị Nam Sài Gòn	2016-03-18T23:05:02	4326	5	{'name': 'Khu đô thị Nam Sài Gòn', 'name:en': ...}	MULTIPOLYGON (((106.69344 10.72213, 106.69475 ...
		Binh	Quận Bình	2016-03			{'name': 'Quận Bình	MULTIPOLYGON (((106.68286

```
# Hiển thị 5 dòng cuối của dữ liệu
district.tail()
```

	id	name	localname	timestamp	SRID	admin_level	tags	
8	3799817	Quận 2	Quận 2	2016-03-18T23:05:02	4326	6	{'name': 'Quận 2', 'boundary': 'administrative...	MULT (( 1(
9	3851694	Quận Phú Nhuận	Quận Phú Nhuận	2016-03-18T23:05:02	4326	6	{'name': 'Quận Phú Nhuận', 'boundary': 'admini...	MULT (( 1(

```
# Hiển thị bản đồ ranh giới từ dữ liệu district, cmap = 'Set2'
plt.figure(figsize=(8,8))
district.plot(column = 'name', cmap = 'Set2', figsize=(16,12))
plt.show()
```

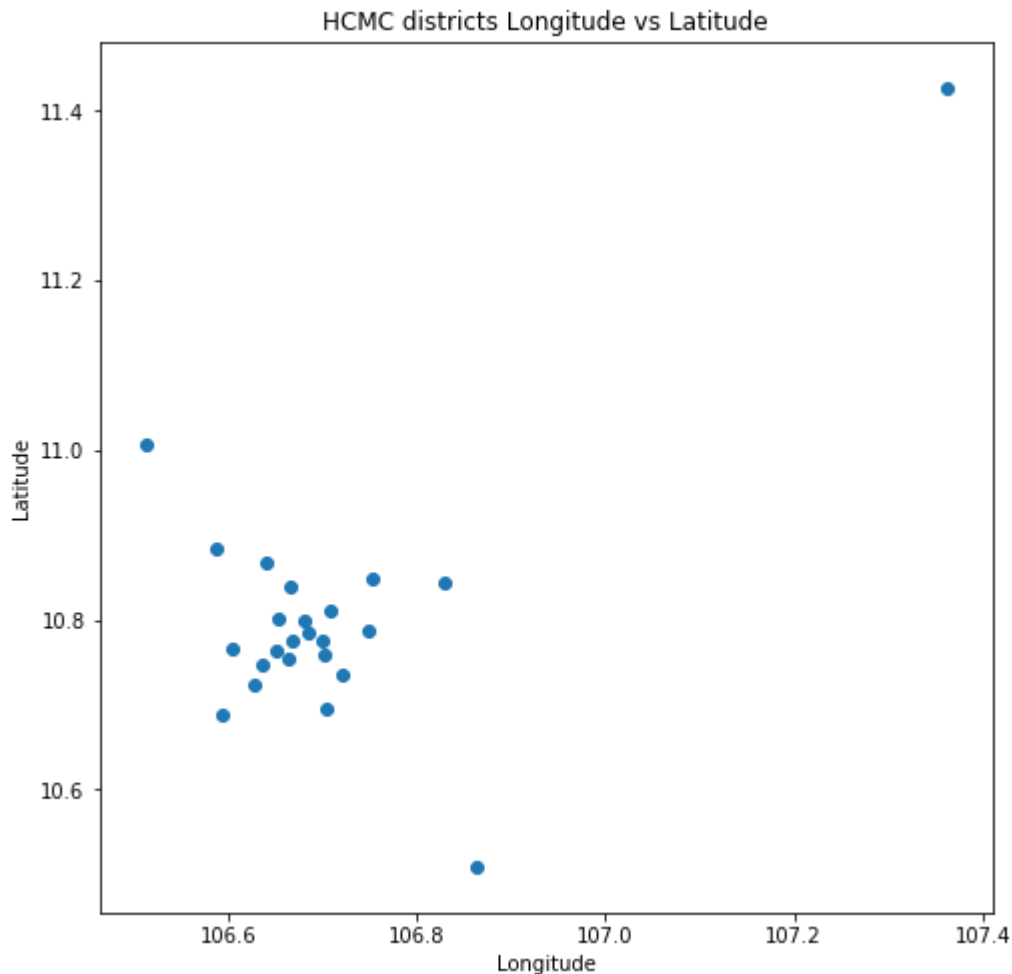
&lt;Figure size 576x576 with 0 Axes&gt;



```
# Câu 2: Đọc dữ liệu trong sheet 'location' của file HCMC_location.xlsx
df_hcm = pd.read_excel('data\HCMC_location.xlsx', sheet_name='Location')
# Hiển thị 5 dòng đầu của dữ liệu
df_hcm.head()
```

	STT	ID	Name	Bourough	Postal cost	Latitude	Longitude	Population	Population
0	1	760	Quận 1	Vietnam, Quan 1	NaN	10.775659	106.700424	193.632	193.632
1	2	761	Quận 12	Vietnam, Quan 12	NaN	10.867153	106.641332	510.326	510.326
2	3	762	Quận Thủ Đức	Vietnam, Thu Duc	NaN	10.849409	106.753705	528.413	528.413

```
# Câu 3: Vẽ scatterplot với dữ liệu Longitude, Latitude của dữ liệu của câu 2
plt.figure(figsize=(8,8))
plt.scatter(df_hcm.Longitude, df_hcm.Latitude)
plt.xlabel("Longitude")
plt.ylabel("Latitude")
plt.title('HCMC districts Longitude vs Latitude')
plt.show()
```

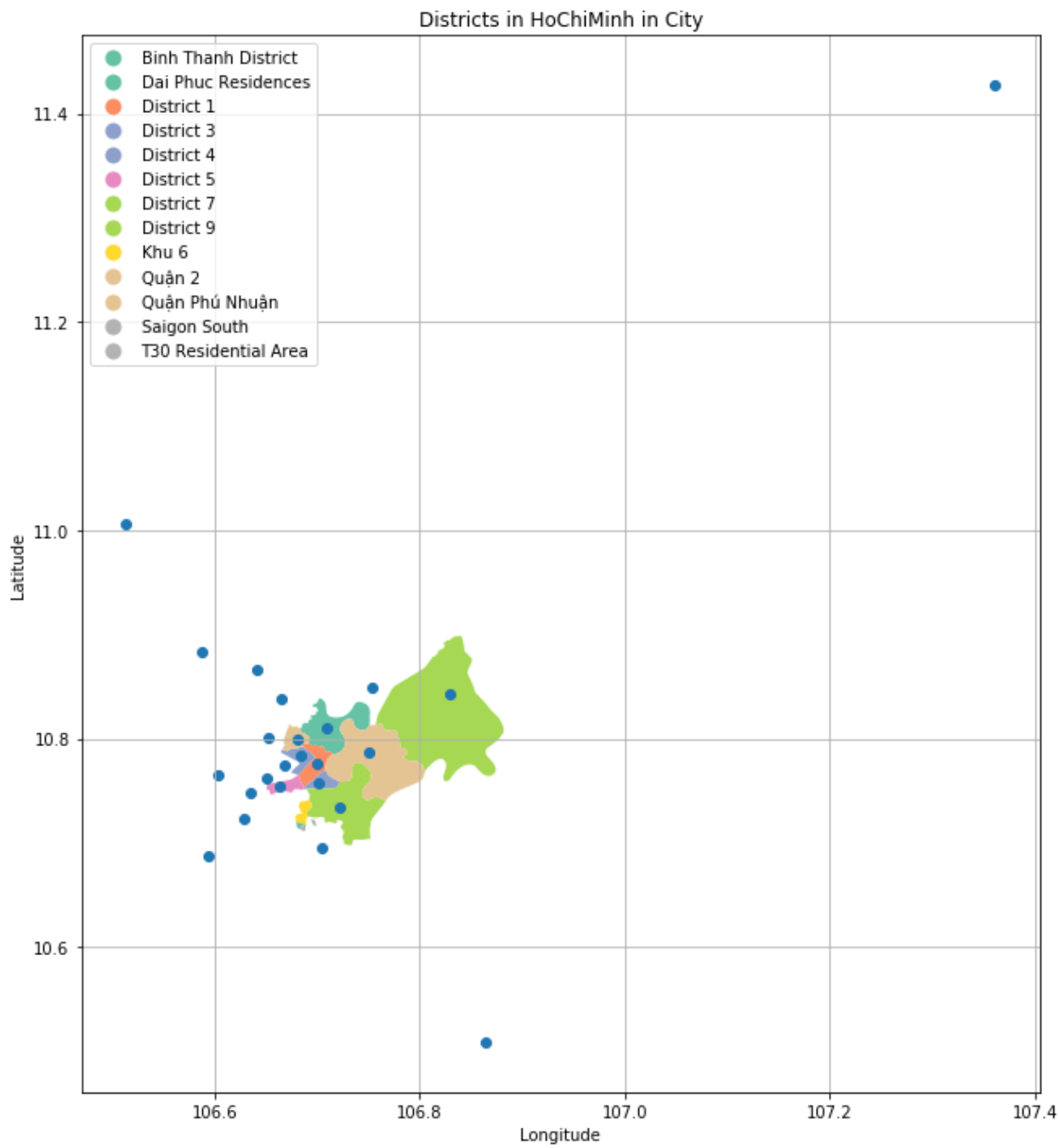


```
# Câu 4: Vẽ bản đồ thể hiện vị trí các quận-khu vực tại TP.HCM
plt.figure(figsize=(16,12))

district.plot(column = 'name', cmap = 'Set2', legend=True, figsize=(16,12))
plt.scatter(df_hcm.Longitude, df_hcm.Latitude)
plt.xlabel("Longitude")
plt.ylabel("Latitude")
plt.title('Districts in HoChiMinh in City')

plt.grid()
plt.show()
```

<Figure size 1152x864 with 0 Axes>





## ▼ Chapter 8 - Exercise 2: Canada

Dữ liệu Canada.xlsx chứa thông tin nhập cư vào Canada từ năm 1980 đến năm 2013. Bộ dữ liệu chứa dữ liệu hàng năm về dòng người di cư đến Canada được ghi nhận, trình bày thông tin inflows and outflows theo nơi sinh, quốc tịch hoặc nơi cư trú trước đó / tiếp theo cho cả người nước ngoài và quốc tịch. Chúng tôi sẽ tập trung vào dữ liệu nhập cư Canada.

```
import folium
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

## ▼ Map

```
# Câu 1: Hiển thị bản đồ thế giới
world_map = folium.Map()
world_map
```

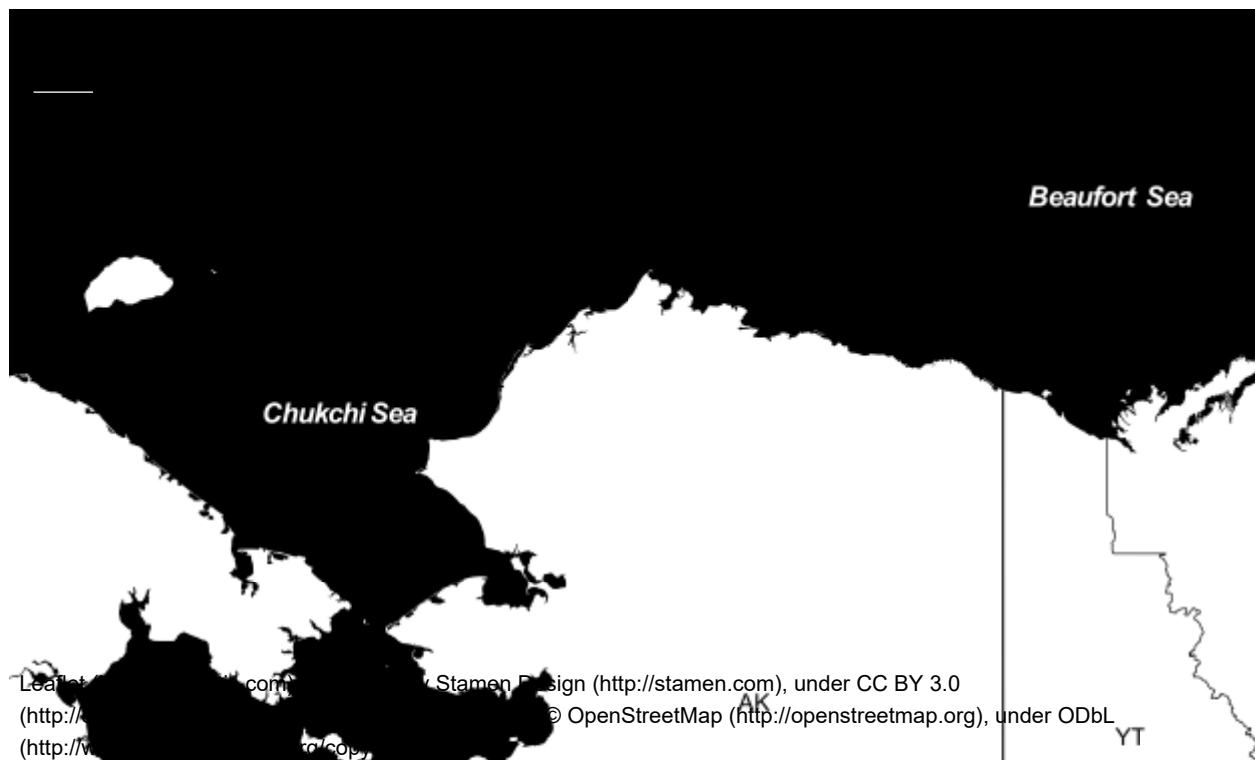


```
# Câu 2: Tạo bản đồ với center là Canada (location=[56.130, -106.35]) và zoom level (zoom_start=4)
canada_map = folium.Map(location=[56.130, -106.35], zoom_start=4)
canada_map
```





```
# Câu 3: Tạo Stamen Toner Map với center là Canada, và zoom level là 4
canada_map = folium.Map(location=[56.130, -106.35], zoom_start=4, tiles='Stamen Toner')
canada_map
```



```
# Câu 4: Tạo Stamen Terrain Map với center là Canada, và zoom level là 4
canada_map = folium.Map(location=[56.130, -106.35], zoom_start=4, tiles='Stamen Terrain')
canada_map
```



Leaflet (<https://leafletjs.com>) | Map tiles by Stamen Design (<http://stamen.com>), under CC BY 3.0 (<http://creativecommons.org/licenses/by/3.0>). Data by © OpenStreetMap (<http://openstreetmap.org>), under CC BY SA (<http://creativecommons.org/licenses/by-sa/3.0>).

```
# Câu 5: Tạo Stamen Watercolor Map với center là Canada, và zoom level 4
world_map = folium.Map(location=[56.130, -106.35], zoom_start=4, tiles='Stamen Watercolor')
```

world\_map





## ▼ Choropleth Map

```
# Câu 1: Đọc dữ liệu Canada.xlsx và lưu vào df_can,  
# tìm hiểu về dữ liệu với: describe, head, shape, columns  
df_can = pd.read_excel('data\Canada.xlsx', sheet_name='Canada by Citizenship',  
                      skiprows=range(20), skipfooter=2)
```

(<http://openstreetmap.org>). under CC BY SA (<http://creativecommons.org/licenses/by-sa/3.0>).

```
# Cho biết thông tin thống kê chung của df_can  
df_can.describe()
```

	AREA	REG	DEV	1980	1981	1982
count	195.000000	195.000000	195.000000	195.000000	195.000000	195.000000
mean	912.764103	1249.015385	901.753846	508.394872	566.989744	534.723077
std	13.082835	1185.526885	0.431878	1949.588546	2152.643752	1866.997511
min	903.000000	905.000000	901.000000	0.000000	0.000000	0.000000
25%	903.000000	914.000000	902.000000	0.000000	0.000000	0.000000
50%	908.000000	922.000000	902.000000	13.000000	10.000000	11.000000

```
# In vài dòng dữ liệu đầu của df_can
df_can.head()
```

	Type	Coverage	OdName	AREA	AreaName	REG	RegName	DEV	DevName
0	Immigrants	Foreigners	Afghanistan	935	Asia	5501	Southern Asia	902	Developing regions
1	Immigrants	Foreigners	Albania	908	Europe	925	Southern Europe	901	Developed regions
2	Immigrants	Foreigners	Algeria	903	Africa	912	Northern Africa	902	Developing regions
3	Immigrants	Foreigners	American Samoa	909	Oceania	957	Polynesia	902	Developing regions

```
# Cho biết kích thước của df_can
df_can.shape
```

```
(195, 43)
```

```
# Xem danh sách các cột của df_can
df_can.columns
```

```
Index(['Type', 'Coverage', 'OdName', 'AREA', 'AreaName', 'REG',
       'RegName', 'DEV', 'DevName', '1980', '1981', '1982',
```



```

1983,      1984,      1985,      1986,      1987,      1988,
1989,      1990,      1991,      1992,      1993,      1994,
1995,      1996,      1997,      1998,      1999,      2000,
2001,      2002,      2003,      2004,      2005,      2006,
2007,      2008,      2009,      2010,      2011,      2012,
2013],
dtype='object')

```

```

# Câu 2: Làm sạch dữ liệu:
# Bỏ đi những cột không cần thiết như 'AREA', 'REG', 'DEV', 'Type', 'Coverage'
df_can.drop(['AREA', 'REG', 'DEV', 'Type', 'Coverage'], axis=1, inplace=True)

# Đổi tên một số cột như sau:
#   'OdName' => 'Country', 'AreaName' => 'Continent', 'RegName' => 'Region'
df_can.rename(columns={'OdName': 'Country', 'AreaName': 'Continent', 'RegName': 'Region'},
               inplace=True)

# Đổi tất cả các cột sang kiểu string
df_can.columns = list(map(str, df_can.columns))

# Thêm cột Total chứa tổng lượng nhập cư qua các năm
df_can['Total'] = df_can.sum(axis=1)

```

```

# Câu 3: Xem thông tin dữ liệu lúc này:
# Hiển thị 5 dòng dữ liệu đầu của df_can sau khi làm sạch dữ liệu
df_can.head()

```



Country	Continent	Region	PopName	1980	1981	1982	1983	1984	1985
---------	-----------	--------	---------	------	------	------	------	------	------

```
# Cho biết kích thước của df_can sau khi làm sạch dữ liệu
df_can.shape
```

```
(195, 39)
```

```
        'Europe'      regions
```

```
# Câu 4: Tạo world map, với center [0, 0] là latitude và longitude, zoom level là 2, sử dụng tiles là OpenStreetMap
world_map = folium.Map(location=[0, 0], zoom_start=2, tiles='OpenStreetMap')
world_map
```



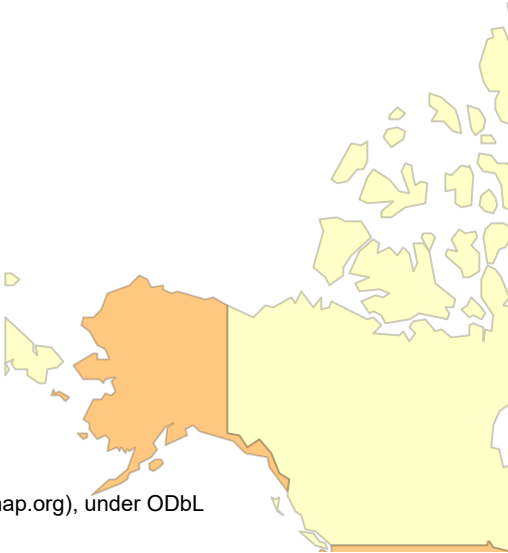
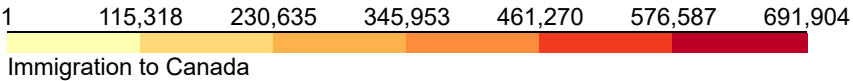
Leaflet (<https://leafletjs.com>) | Data by © OpenStreetMap (<http://openstreetmap.org>), under ODbL (<http://www.openstreetmap.org/copyright>).

```
# Câu 5: Tạo choropleth map sử dụng total nhập cư của từng quốc gia vào Canada từ năm 1980 đến năm 2013
```

```
# Lấy file GeoJSON có tên là world-countries.json  
world_geo = r'data\world-countries.json'
```

```
folium.Choropleth(  
    geo_data=world_geo,  
    data=df_can,
```

```
columns=['Country', 'Total'],  
key_on='feature.properties.name',  
fill_color='YlOrRd',  
fill_opacity=0.7,  
line_opacity=0.2,  
legend_name='Immigration to Canada'  
)add_to(world_map)  
  
world_map
```



Leaflet (<https://leafletjs.com>) | Data by © OpenStreetMap (<http://openstreetmap.org>), under ODbL (<http://www.openstreetmap.org/copyright>).

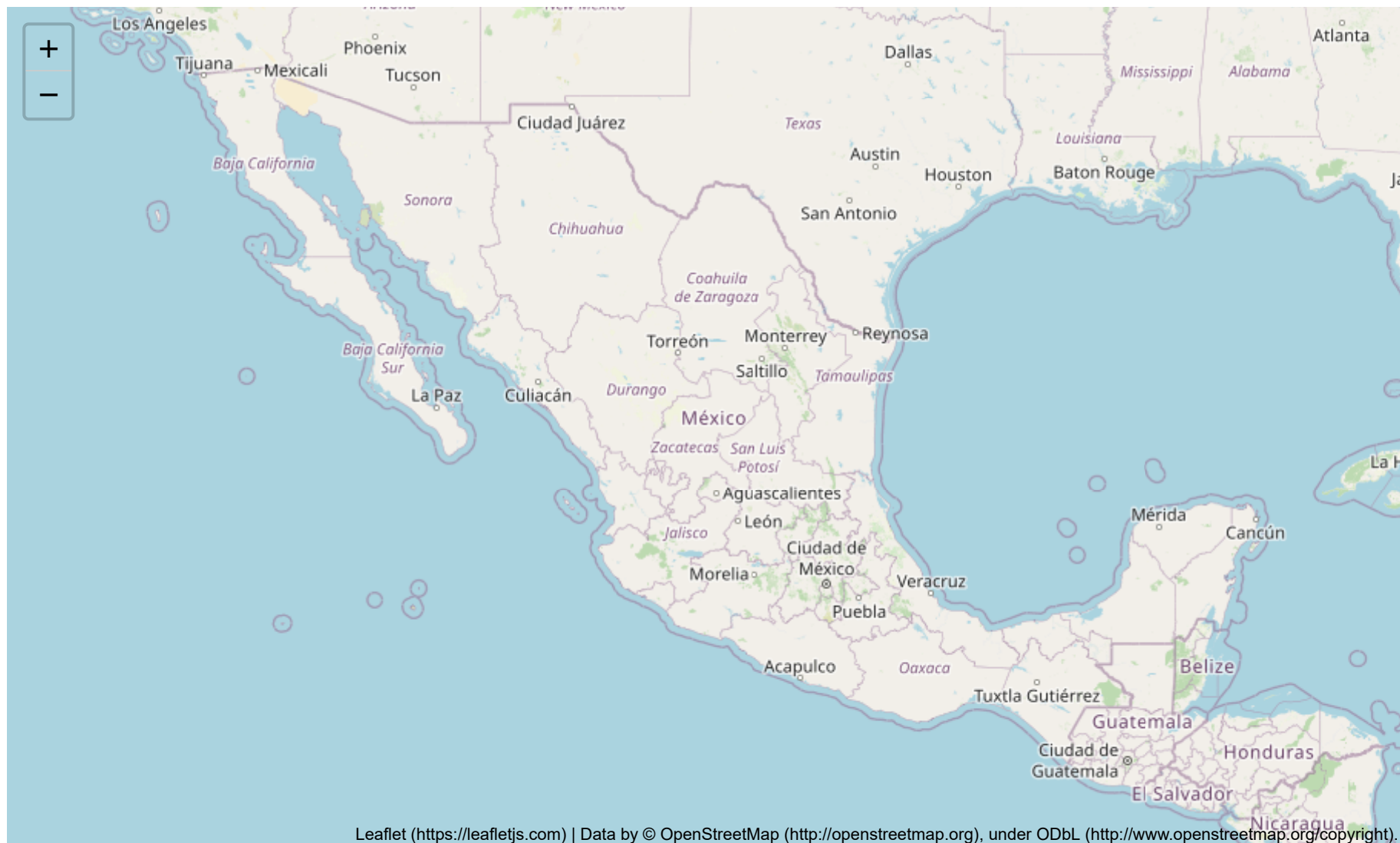


## ▼ Chapter 8 - Exercise 3: Mexico

```
import folium
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

### ▼ Map: Mexico

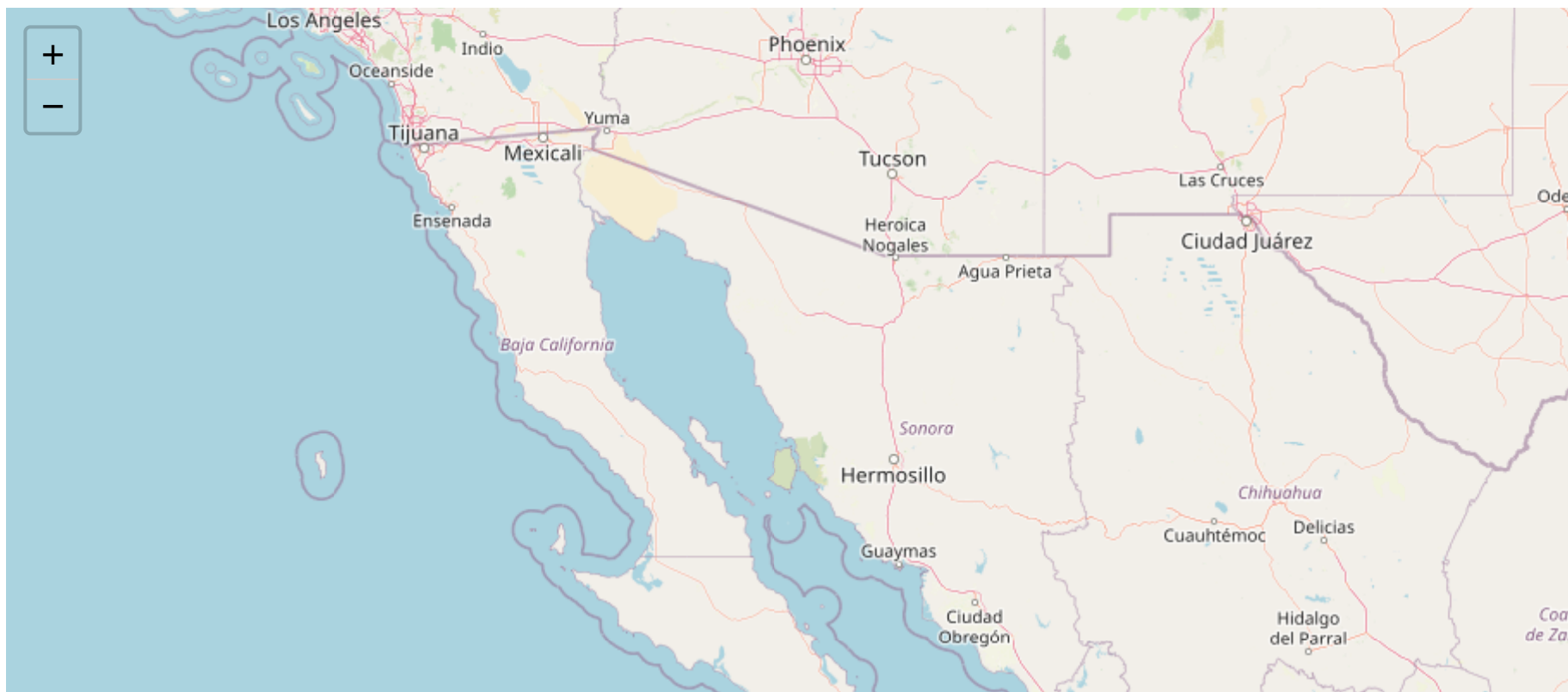
```
# Câu 1: Tạo biểu đồ có center là Mexico (location= [23.6345, -102.5528]) với zoom level là 5
mexico_map = folium.Map(location=[23.6345, -102.5528], zoom_start=5)
mexico_map
```



```
# Câu 2: Tạo OpenStreetMap với center là Mexico with zoom level 6.3
```

```
mexico_map = folium.Map(location=[23.6345, -102.5528], zoom_start=6.3, tiles='OpenStreetMap')  
mexico_map
```





## ▼ Map với Marker

San Francisco Police Department Incidents năm 2016 - được cung cấp từ cổng thông tin dữ liệu công cộng San Francisco. Các sự cố bắt nguồn từ hệ thống báo cáo sự cố tội phạm của Sở cảnh sát San Francisco (SFPD). Được cập nhật hàng ngày, hiển thị dữ liệu cho cả năm 2016. Địa chỉ và vị trí đã được ẩn danh bằng cách di chuyển đến giữa khối (mid-block) hoặc đến một giao lộ (intersection)

```
# Câu 1: Đọc dữ liệu Police_Department_Incidents_-_Previous_Year__2016.csv và lưu vào df_incidents
df_incidents = pd.read_csv('data\Police_Department_Incidents_-_Previous_Year__2016_.csv')
```

So each row consists of 13 features:

### 1. IncidentNum: Incident Number

2. **Category:** Category of crime or incident
3. **Descript:** Description of the crime or incident
4. **DayOfWeek:** The day of week on which the incident occurred
5. **Date:** The Date on which the incident occurred
6. **Time:** The time of day on which the incident occurred
7. **PdDistrict:** The police department district
8. **Resolution:** The resolution of the crime in terms whether the perpetrator was arrested or not
9. **Address:** The closest address to where the incident took place
10. **X:** The longitude value of the crime location
11. **Y:** The latitude value of the crime location
12. **Location:** A tuple of the latitude and the longitude values
13. **PdId:** The police department ID

```
# Cho biết thông tin của df_incidents
df_incidents.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 150500 entries, 0 to 150499
Data columns (total 13 columns):
IncidentNum    150500 non-null int64
Category       150500 non-null object
Descript       150500 non-null object
DayOfWeek      150500 non-null object
Date           150500 non-null object
Time           150500 non-null object
PdDistrict     150499 non-null object
Resolution     150500 non-null object
Address        150500 non-null object
X              150500 non-null float64
Y              150500 non-null float64
Location       150500 non-null object
PdId           150500 non-null int64
dtypes: float64(2), int64(2), object(9)
memory usage: 14.9+ MB
```

```
# Hiển thị 5 dòng dữ liệu đầu của df_incidents
df_incidents.head()
```

	IncidentNum	Category	Descript	DayOfWeek	Date	Time	PdDistrict	Resolution	Address	X
0	120058272	WEAPON LAWS	POSS OF PROHIBITED WEAPON	Friday	01/29/2016 12:00:00 AM	11:00	SOUTHERN	ARREST, BOOKED	800 Block of BRYANT ST	-122.403405
1	120058272	WEAPON LAWS	FIREARM, LOADED, IN VEHICLE, POSSESSION OR USE	Friday	01/29/2016 12:00:00 AM	11:00	SOUTHERN	ARREST, BOOKED	800 Block of BRYANT ST	-122.403405
2	141059263	WARRANTS	WARRANT ARREST	Monday	04/25/2016 12:00:00 AM	14:59	BAYVIEW	ARREST, BOOKED	KEITH ST / SHAFTER AV	-122.388856
					04/25/2016				JONES ST	

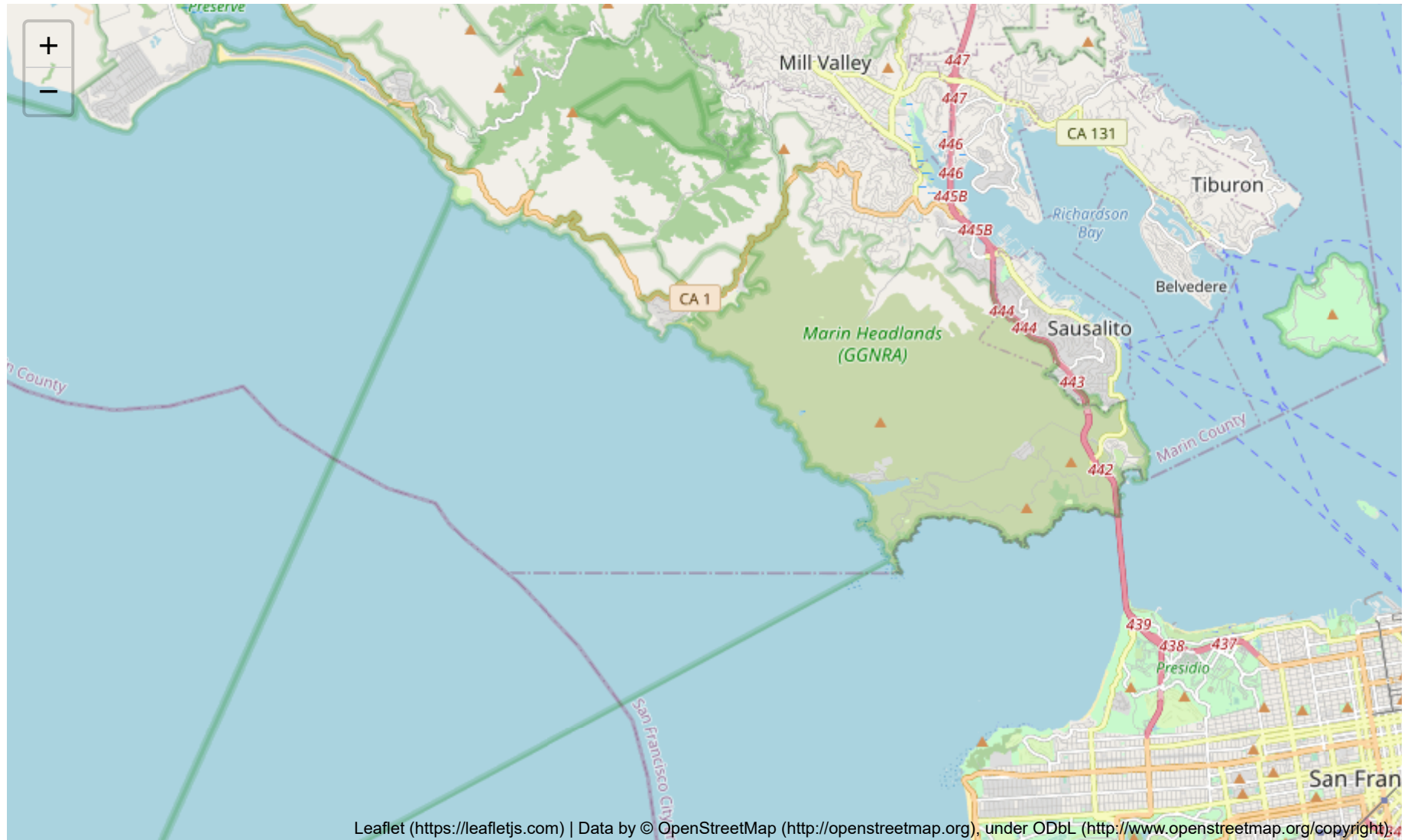
```
# Cho biết kích thước của df_incidents
df_incidents.shape
```

```
(150500, 13)
```

```
# Câu 2: Rút trích dữ liệu: có đến 150.500 tội phạm, diễn ra vào năm 2016.
# Tạo bộ dữ liệu mới chỉ lấy 100 tội phạm đầu tiên trong bộ dữ liệu df_incidents
limit = 100
df_incidents = df_incidents.iloc[0:limit, :]
# Cho biết kích thước của df_incidents
df_incidents.shape
```

```
(100, 13)
```

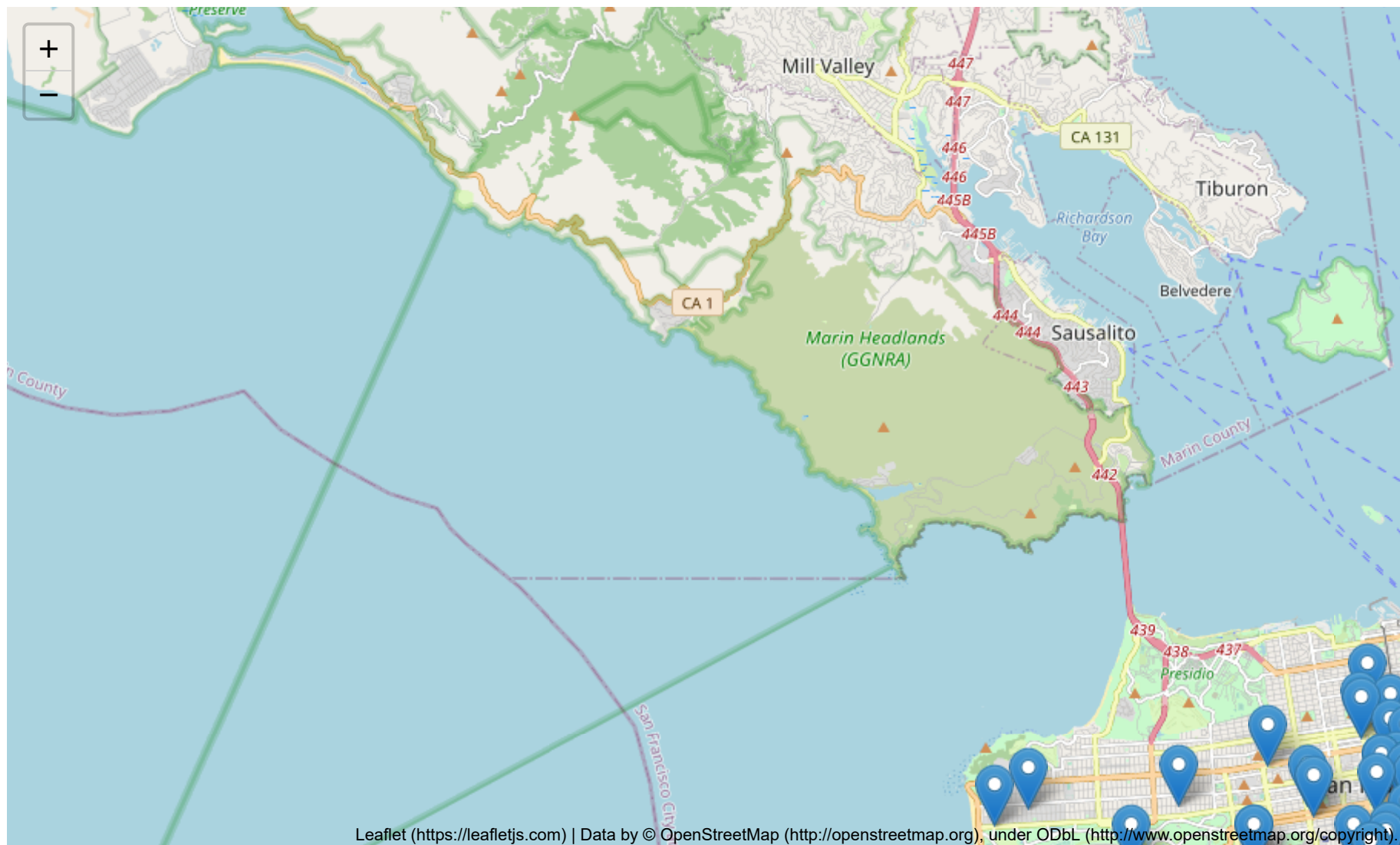
```
# Câu 3: Tạo biểu đồ có center là San Francisco (location= [37.77, -122.42]) với zoom level là 12
sanfran_map = folium.Map(location=[37.77, -122.42], zoom_start=12)
sanfran_map
```



```
# Câu 4: Đưa 100 điểm tội phạm lên bản đồ (với marker)
incidents = folium.map.FeatureGroup()

for lat, lng, in zip(df_incidents.Y, df_incidents.X):
    incidents.add_child(
        folium.features.Marker(
            [lat, lng],
            radius=5,
            color='yellow',
            fill=True,
            fill_color='blue',
            fill_opacity=0.6
        )
    )

sanfran_map.add_child(incidents)
```



```
# Câu 5: Thêm pop-up text sẽ được hiển thị thông tin Category khi người dùng di chuyển chuột qua chuột qua marker
incidents = folium.map.FeatureGroup()

for lat, lng, in zip(df_incidents.Y, df_incidents.X):
    incidents.add_child(
        folium.features.Marker(
            [lat, lng],
            radius=5,
            color='yellow',
            fill=True,
            fill_color='blue',
            fill_opacity=0.6
        )
    )

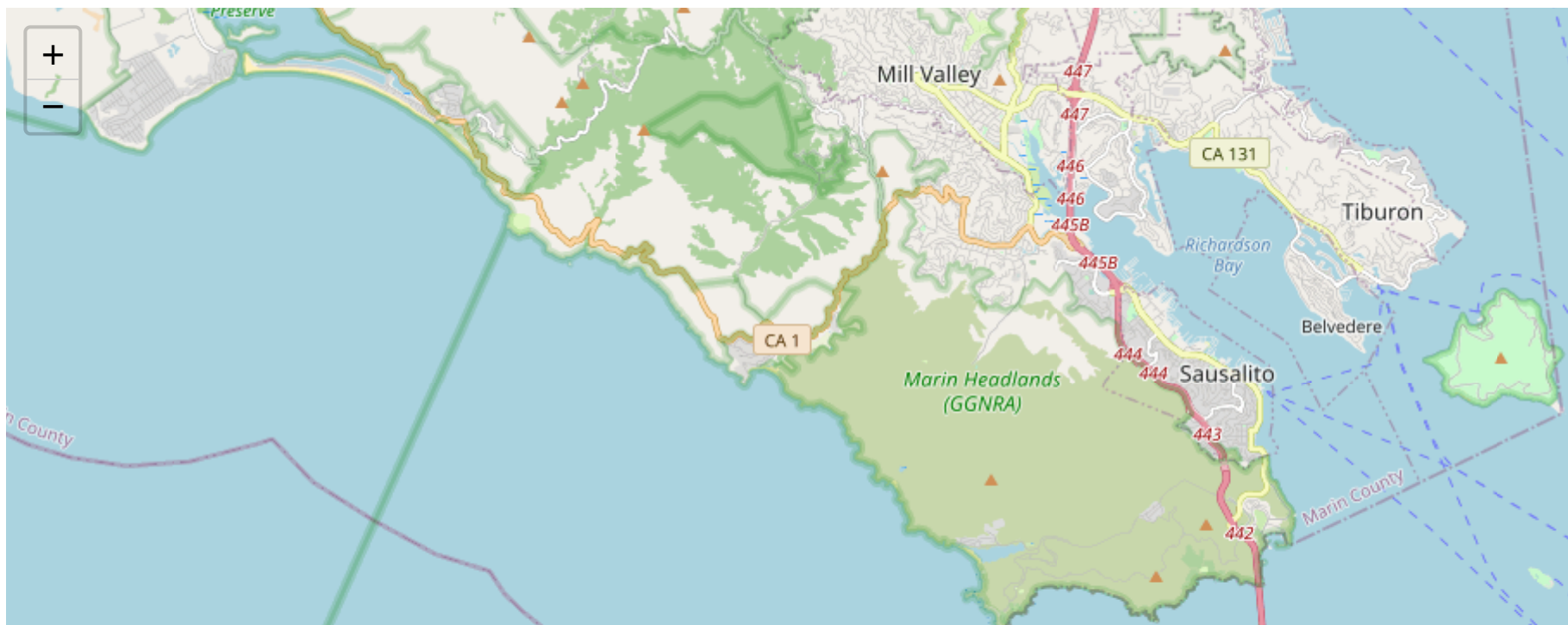
latitudes = list(df_incidents.Y)
longitudes = list(df_incidents.X)
labels = list(df_incidents.Category)

for lat, lng, label in zip(latitudes, longitudes, labels):
    folium.Marker([lat, lng], popup=label).add_to(sanfran_map)

sanfran_map.add_child(incidents)
```



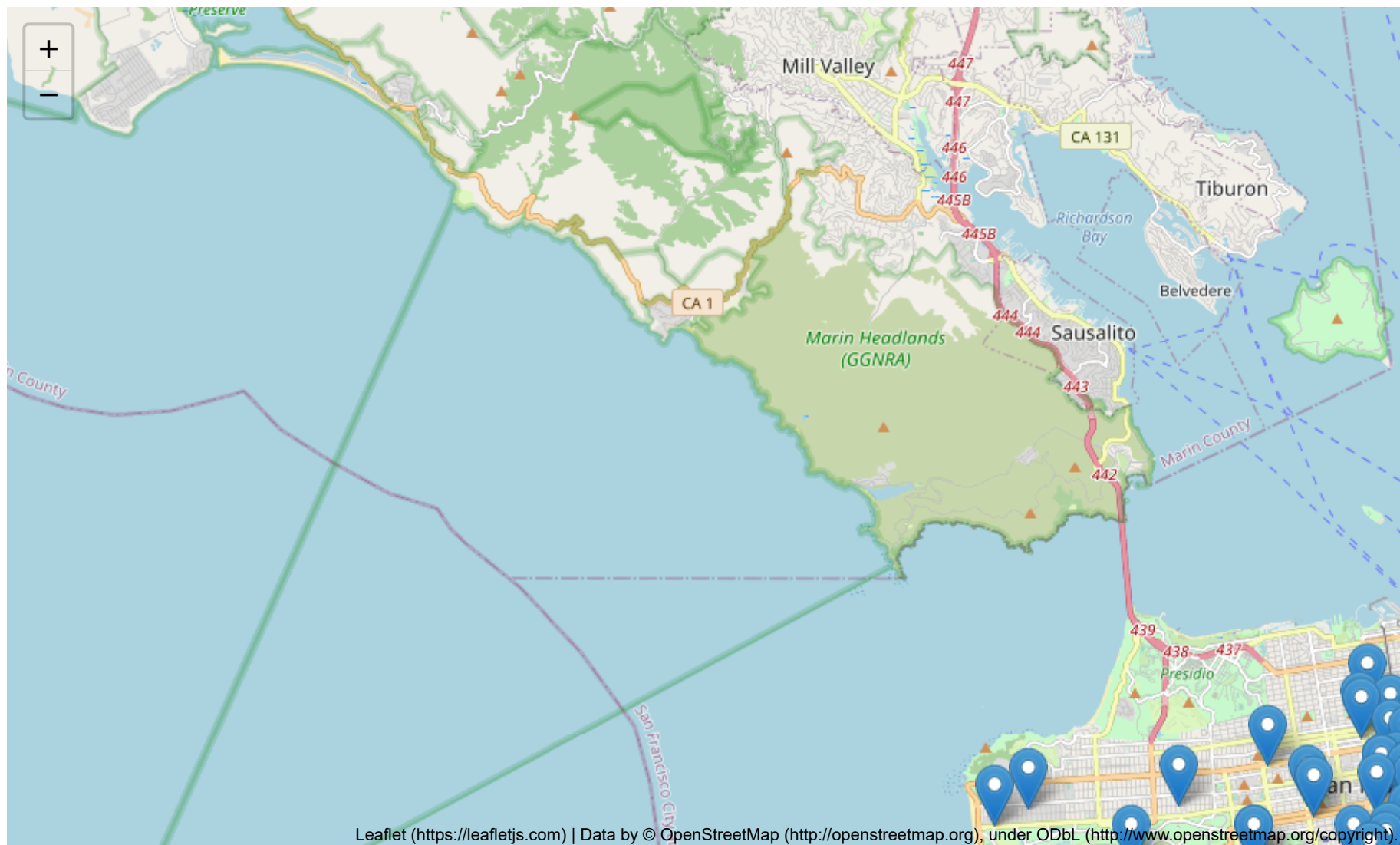




# Câu 6: Để cho bản đồ khỏi rối, bỏ đi các location marker, và chỉ thêm text vào từng circle marker  
 sanfran\_map = folium.Map(location=[37.77, -122.42], zoom\_start=12)

```
for lat, lng, label in zip(df_incidents.Y, df_incidents.X, df_incidents.Category):
    folium.features.Marker(
        [lat, lng],
        radius=5,
        color='yellow',
        fill=True,
        popup=label,
        fill_color='blue',
        fill_opacity=0.6
    ).add_to(sanfran_map)
```

sanfran\_map



```
# Câu 7: Nhóm các markers vào các cluster. Mỗi cluster sẽ hiển thị số lượng các tội phạm trong mỗi neighborhood.
# Gợi ý: Sử dụng MarkerCluster object và thêm tất cả các data point trong dataframe vào object này

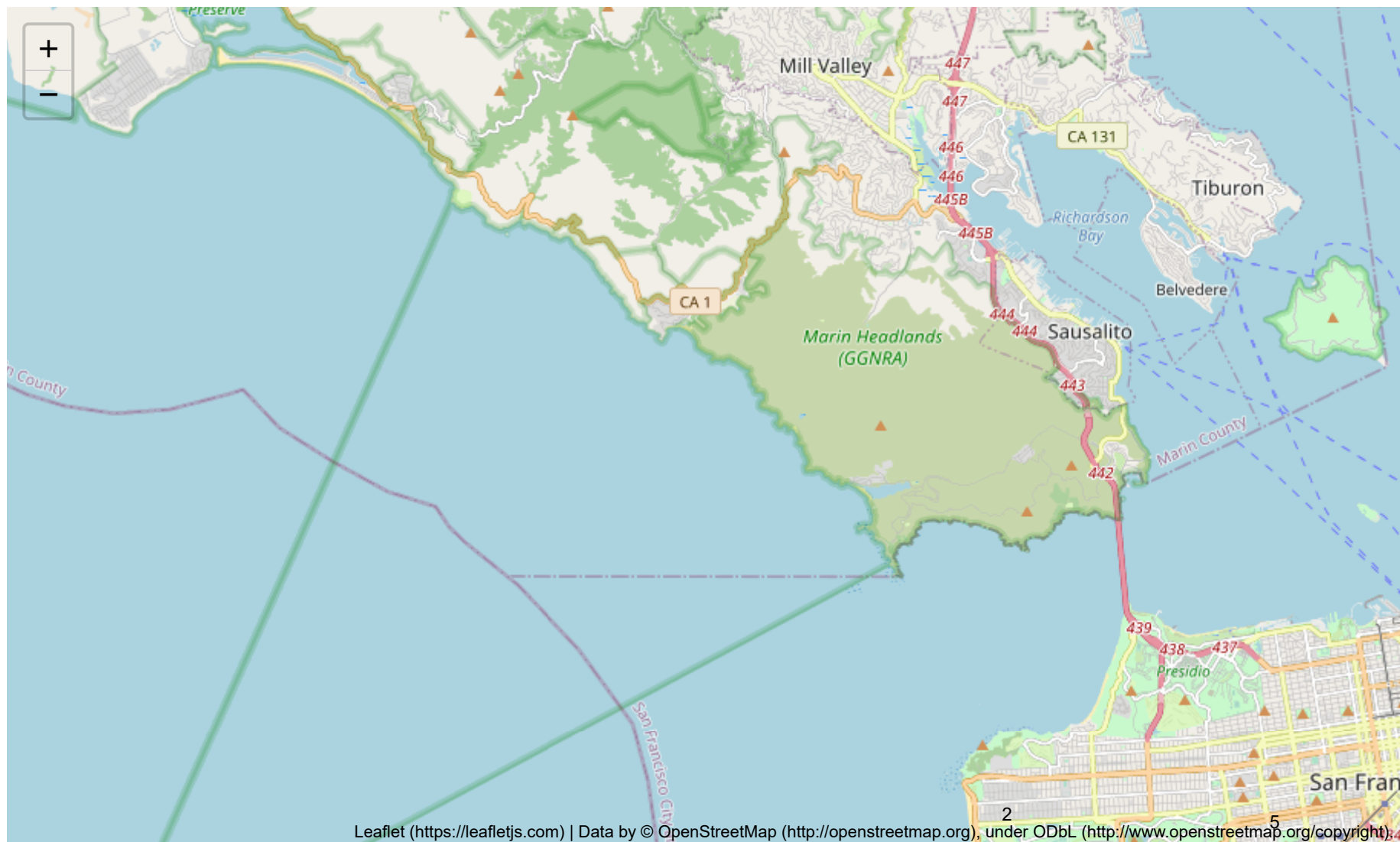
from folium import plugins

sanfran_map = folium.Map(location = [37.77, -122.42], zoom_start = 12)

incidents = plugins.MarkerCluster().add_to(sanfran_map)

for lat, lng, label, in zip(df_incidents.Y, df_incidents.X, df_incidents.Category):
    folium.Marker(
        location=[lat, lng],
        icon=None,
        popup=label,
    ).add_to(incidents)

sanfran_map
```





```

{
  "type" : "FeatureCollection",
  "features" : [ {
    "type" : "Feature",
    "id" : 3850184,
    "timestamp" : "2016-03-18 23:05:02+01",
    "rpath" : [ "3850184", "1973756", "49915", "0" ],
    "properties" : {
      "id" : 3850184,
      "name" : "Saigon South",
      "localname" : "Khu đô thị Nam Sài Gòn",
      "timestamp" : "2016-03-18 23:05:02+01",
      "SRID" : "4326",
      "admin_level" : 5,
      "rpath" : [ "3850184", "1973756", "49915", "0" ],
      "tags" : {
        "name" : "Khu đô thị Nam Sài Gòn",
        "name:en" : "Saigon South",
        "name:vi" : "Khu Nam Sài Gòn",
        "boundary" : "administrative",
        "admin_level" : "5"
      }
    }
  },
  "geometry" : {
    "type" : "MultiPolygon",
    "coordinates" : [ [ [ [ 106.6934435, 10.7221295 ], [ 106.694747, 10.7227936 ], [ 106.6949401,
10.7228568 ], [ 106.6951118, 10.722841 ], [ 106.6972254, 10.7223666 ], [ 106.6973863, 10.7222823 ], [
106.6974936, 10.7221136 ], [ 106.6992424, 10.7168165 ], [ 106.6988615, 10.7164739 ], [ 106.6985021,
10.7162841 ], [ 106.6981159, 10.7163948 ], [ 106.6975955, 10.7165529 ], [ 106.6970913, 10.7168218 ],
[ 106.6963993, 10.7173119 ], [ 106.6959004, 10.71776 ], [ 106.6956161, 10.7181816 ], [ 106.6954068,

```

```
10.7185506 ], [ 106.6951869, 10.7190197 ], [ 106.6951011, 10.7196153 ], [ 106.6949938, 10.7199684 ],
[ 106.694865, 10.7203268 ], [ 106.6946451, 10.7207959 ], [ 106.694275, 10.7212756 ], [ 106.6939102,
10.7216814 ], [ 106.6935776, 10.7219977 ], [ 106.6934435, 10.7221295 ] ]
```

```
]
```

```
]
```

```
}
```

```
}, {
```

```
  "type" : "Feature",
```

```
  "id" : 3797166,
```

```
  "timestamp" : "2016-03-18 23:05:02+01",
```

```
  "rpath" : [ "3797166", "1973756", "49915", "0" ],
```

```
  "properties" : {
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    "timestamp" : "2016-03-18 23:05:02+01",
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  "boundary" : "administrative",

  "admin_level" : "6"

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      "localname" : "Khu Nhà ở Rạch Bà Tánh",
      "timestamp" : "2016-03-18 23:05:02+01",
      "SRID" : "4326",
      "admin_level" : 10,
      "rpath" : [ "3854476", "1973756", "49915", "0" ],
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        "name:en" : "Dai Phuc Residences",
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"localname" : "Khu Dân cư T30",
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      "name" : "Saigon South",
      "localname" : "Khu đô thị Nam Sài Gòn",
      "timestamp" : "2016-03-18 23:05:02+01",
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      "admin_level" : 5,
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        "name:en" : "Saigon South",
        "name:vi" : "Khu Nam Sài Gòn",
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}
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}, {
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3	762	Quận Thủ Đức	Vietnam, Thu Duc		10.8494094	106.7537055	528.413	528413	5249286
4	763	Quận 9	Vietnam, Quan 9		10.8428402	106.8286851	290.62	290620	3337584
5	764	Quận Gò Vấp	Vietnam, Go Vap		10.8386779	106.6652904	634.146	634146	9873267
6	765	Quận Bình Thạnh	Vietnam, Binh Thanh		10.8105831	106.7091422	487.985	487985	19844762
7	766	Quận Tân Bình	Vietnam, Tan Binh		10.8014659	106.6525974	459.029	459029	14439409
8	767	Quận Tân Phú	Vietnam, Tan Phu		11.4275308	107.36123	464.493	464493	8490438
9	768	Quận Phú Nhuận	Vietnam, Phu Nhuan		10.7991944	106.6802639	182.477	182477	21845588
10	769	Quận 2	Vietnam, Quan 2		10.7872729	106.7498105	147.168	147168	9269650
11	770	Quận 3	Vietnam, Quan 3		10.7843695	106.6844089	196.333	196333	45158065
12	771	Quận 10	Vietnam, Quan 10		10.7745965	106.6679542	238.558	238558	27244615
13	772	Quận 11	Vietnam, Quan 11		10.7629739	106.650084	230.596	230596	19514337
14	773	Quận 4	Vietnam, Quan 4		10.7578263	106.7012968	186.727	186727	17400000
15	774	Quận 5	Vietnam, Quan 5		10.7540279	106.6633746	178.615	178615	31355462
16	775	Quận 6	Vietnam, Quan 6		10.7480929	106.6352362	258.945	258945	16491954
17	776	Quận 8	Vietnam, Quan 8		10.7240878	106.6286259	431.969	431969	9407143
18	777	Quận Bình Tân	Vietnam, Binh Tan		10.7652581	106.6038535	686.474	686474	4534629
19	778	Quận 7	Vietnam, Quan 7		10.7340344	106.7215787	310.178	310178	11113939
20	783	Huyện Củ Chi	Vietnam, Cu Chi		11.0066683	106.5131967	403.038	403038	762925
21	784	Huyện Hóc Môn	Vietnam, Hoc Mon		10.8839675	106.5870611	422.471	422471	1074292
22	785	Huyện Bình Chánh	Vietnam, Binh Chanh		10.687392	106.5938538	591.451	591451	3921026
23	786	Huyện Nhà Bè	Vietnam, Nha Be		10.6952642	106.704874	139.225	139225	3379524
24	787	Huyện Cần Giuộc	Vietnam, Can Gio		10.5083266	106.8635004	74.96	74960	762154





**United Nations**  
**Population Division**  
**Department of Economic and Social Affairs**

***International Migration Flows to and from Selected Countries: The 2015 Revision***

POP/DB/MIG/Flow/Rev.2015

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International Migration Flows to and from Selected Countries: The 2015 Revision. (United Nations database, POP/DB/MIG/Flow/Rev

**Reporting country: Canada**

**Criterion: Citizenship**

Classification		Origin/Destination	Major area		Region		Developm
Type	Coverage	OdName	AREA	AreaName	REG	RegName	DEV
Immigrants	Foreigners	Afghanistan	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Albania	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Algeria	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	American Samoa	909	Oceania	957	Polynesia	902
Immigrants	Foreigners	Andorra	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Angola	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Antigua and Barbuda	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Argentina	904	Latin America	931	South America	902
Immigrants	Foreigners	Armenia	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Australia	909	Oceania	927	Australia and Oceania	901
Immigrants	Foreigners	Austria	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Azerbaijan	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Bahamas	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Bahrain	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Bangladesh	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Barbados	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Belarus	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Belgium	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Belize	904	Latin America	916	Central America	902
Immigrants	Foreigners	Benin	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Bhutan	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Bolivia (Plurinational State of)	904	Latin America	931	South America	902
Immigrants	Foreigners	Bosnia and Herzegovina	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Botswana	903	Africa	913	Southern Africa	902
Immigrants	Foreigners	Brazil	904	Latin America	931	South America	902
Immigrants	Foreigners	Brunei Darussalam	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Bulgaria	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Burkina Faso	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Burundi	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Cabo Verde	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Cambodia	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Cameroon	903	Africa	911	Middle Africa	902
Immigrants	Citizens	Canada	905	Northern America	905	Northern America	901
Immigrants	Foreigners	Central African Republic	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Chad	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Chile	904	Latin America	931	South America	902
Immigrants	Foreigners	China	935	Asia	906	Eastern Asia	902
Immigrants	Foreigners	China, Hong Kong Special Administrative Region	935	Asia	906	Eastern Asia	902
Immigrants	Foreigners	China, Macao Special Administrative Region	935	Asia	906	Eastern Asia	902
Immigrants	Foreigners	Colombia	904	Latin America	931	South America	902
Immigrants	Foreigners	Comoros	903	Africa	910	Eastern Africa	902

# RMIT Classification: Trusted

Immigrants	Foreigners	Congo	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Costa Rica	904	Latin America	916	Central America	902
Immigrants	Foreigners	Côte d'Ivoire	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Croatia	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Cuba	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Cyprus	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Czech Republic	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Democratic People's Republic of Korea	935	Asia	906	Eastern Asia	902
Immigrants	Foreigners	Democratic Republic of the Congo	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Denmark	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	Djibouti	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Dominica	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Dominican Republic	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Ecuador	904	Latin America	931	South America	902
Immigrants	Foreigners	Egypt	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	El Salvador	904	Latin America	916	Central America	902
Immigrants	Foreigners	Equatorial Guinea	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Eritrea	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Estonia	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	Ethiopia	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Fiji	909	Oceania	928	Melanesia	902
Immigrants	Foreigners	Finland	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	France	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Gabon	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Gambia	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Georgia	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Germany	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Ghana	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Greece	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Grenada	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Guatemala	904	Latin America	916	Central America	902
Immigrants	Foreigners	Guinea	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Guinea-Bissau	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Guyana	904	Latin America	931	South America	902
Immigrants	Foreigners	Haiti	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Honduras	904	Latin America	916	Central America	902
Immigrants	Foreigners	Hungary	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Iceland	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	India	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Indonesia	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Iran	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Iraq	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Ireland	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	Israel	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Italy	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Jamaica	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Japan	935	Asia	906	Eastern Asia	901
Immigrants	Foreigners	Jordan	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Kazakhstan	935	Asia	5500	Central Asia	902
Immigrants	Foreigners	Kenya	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Kiribati	909	Oceania	954	Micronesia	902
Immigrants	Foreigners	Kuwait	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Kyrgyzstan	935	Asia	5500	Central Asia	902
Immigrants	Foreigners	Laos	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Latvia	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	Lebanon	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Lesotho	903	Africa	913	Southern Africa	902
Immigrants	Foreigners	Liberia	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Libya	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	Liechtenstein	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Lithuania	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	Luxembourg	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Madagascar	903	Africa	910	Eastern Africa	902

# RMIT Classification: Trusted

Immigrants	Foreigners	Malawi	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Malaysia	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Maldives	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Mali	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Malta	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Marshall Islands	909	Oceania	954	Micronesia	902
Immigrants	Foreigners	Mauritania	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Mauritius	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Mexico	904	Latin America	916	Central America	902
Immigrants	Foreigners	Monaco	908	Europe	926	Western Europe	901
Immigrants	Foreigners	Mongolia	935	Asia	906	Eastern Asia	902
Immigrants	Foreigners	Montenegro	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Morocco	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	Mozambique	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Myanmar	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Namibia	903	Africa	913	Southern Africa	902
Immigrants	Foreigners	Nauru	909	Oceania	954	Micronesia	902
Immigrants	Foreigners	Nepal	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Netherlands	908	Europe	926	Western Europe	901
Immigrants	Foreigners	New Caledonia	909	Oceania	928	Melanesia	902
Immigrants	Foreigners	New Zealand	909	Oceania	927	Australia and Oceania	901
Immigrants	Foreigners	Nicaragua	904	Latin America	916	Central America	902
Immigrants	Foreigners	Niger	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Nigeria	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Norway	908	Europe	924	Northern Europe	901
Immigrants	Foreigners	Oman	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Pakistan	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	Palau	909	Oceania	954	Micronesia	902
Immigrants	Foreigners	Panama	904	Latin America	916	Central America	902
Immigrants	Foreigners	Papua New Guinea	909	Oceania	928	Melanesia	902
Immigrants	Foreigners	Paraguay	904	Latin America	931	South America	902
Immigrants	Foreigners	Peru	904	Latin America	931	South America	902
Immigrants	Foreigners	Philippines	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Poland	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Portugal	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Qatar	935	Asia	922	Western Asia	902
Immigrants	Foreigners	North Korea	935	Asia	906	Eastern Asia	902
Immigrants	Foreigners	Republic of Moldova	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Romania	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Russia	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Rwanda	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Saint Kitts and Nevis	904	Latin America	915	Caribbean	902
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Immigrants	Foreigners	Saint Vincent and the Grenadines	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Samoa	909	Oceania	957	Polynesia	902
Immigrants	Foreigners	San Marino	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Sao Tome and Principe	903	Africa	911	Middle Africa	902
Immigrants	Foreigners	Saudi Arabia	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Senegal	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Serbia	908	Europe	925	Southern Europe	901
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Immigrants	Foreigners	Sierra Leone	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Singapore	935	Asia	920	South-Eastern Asia	902
Immigrants	Foreigners	Slovakia	908	Europe	923	Eastern Europe	901
Immigrants	Foreigners	Slovenia	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Somalia	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	South Africa	903	Africa	913	Southern Africa	902
Immigrants	Foreigners	Spain	908	Europe	925	Southern Europe	901
Immigrants	Foreigners	Sri Lanka	935	Asia	5501	Southern Asia	902
Immigrants	Foreigners	State of Palestine	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Sudan	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	Suriname	904	Latin America	931	South America	902
Immigrants	Foreigners	Swaziland	903	Africa	913	Southern Africa	902

# RMIT Classification: Trusted

Immigrants	Foreigners	Sweden	908	Europe	924	Northern Eurc	901
Immigrants	Foreigners	Switzerland	908	Europe	926	Western Eurc	901
Immigrants	Foreigners	Syrian Arab Republic	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Tajikistan	935	Asia	5500	Central Asia	902
Immigrants	Foreigners	Thailand	935	Asia	920	South-Eastern	902
Immigrants	Foreigners	The former Yugoslav Repub	908	Europe	925	Southern Eur	901
Immigrants	Foreigners	Togo	903	Africa	914	Western Africa	902
Immigrants	Foreigners	Tonga	909	Oceania	957	Polynesia	902
Immigrants	Foreigners	Trinidad and Tobago	904	Latin America	915	Caribbean	902
Immigrants	Foreigners	Tunisia	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	Turkey	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Turkmenistan	935	Asia	5500	Central Asia	902
Immigrants	Foreigners	Tuvalu	909	Oceania	957	Polynesia	902
Immigrants	Foreigners	Uganda	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	Ukraine	908	Europe	923	Eastern Euro	901
Immigrants	Foreigners	United Arab Emirates	935	Asia	922	Western Asia	902
Immigrants	Foreigners	United Kingdom	908	Europe	924	Northern Eurc	901
Immigrants	Foreigners	United Republic of Tanzania	903	Africa	910	Eastern Africa	902
Immigrants	Foreigners	United States of America	905	Northern Ame	905	Northern Ame	901
Immigrants	Foreigners	Uruguay	904	Latin America	931	South America	902
Immigrants	Foreigners	Uzbekistan	935	Asia	5500	Central Asia	902
Immigrants	Foreigners	Vanuatu	909	Oceania	928	Melanesia	902
Immigrants	Foreigners	Venezuela (Bolivarian Repul	904	Latin America	931	South America	902
Immigrants	Foreigners	Vietnam	935	Asia	920	South-Eastern	902
Immigrants	Foreigners	Western Sahara	903	Africa	912	Northern Africa	902
Immigrants	Foreigners	Yemen	935	Asia	922	Western Asia	902
Immigrants	Foreigners	Zambia	903	Africa	910	Eastern Africa	902
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IncidentNum	Category	Descript	DayOfWee	Date	Time	PdDistrict	Resolution	Address	X	Y	Location	PdId
120058272	WEAPON	L POSS OF PF	Friday	01/29/2016	12:00	11:00	SOUTHERN	ARREST, BC 800 Block c	-122.403	37.78	(37.775420706711	1.2E+13
120058272	WEAPON	L FIREARM, I	Friday	01/29/2016	12:00	11:00	SOUTHERN	ARREST, BC 800 Block c	-122.403	37.78	(37.775420706711	1.2E+13
141059263	WARRANT	WARRANT	Monday	04/25/2016	12:00	14:59	BAYVIEW	ARREST, BC KEITH ST /	-122.389	37.73	(37.729980967299	1.41E+13
160013662	NON-CRIM	LOST PROP	Tuesday	01-05-16	0:00	23:50	TENDERLOI	NONE JONES ST /	-122.413	37.79	(37.785788376688	1.6E+13
160002740	NON-CRIM	LOST PROP	Friday	01-01-16	0:00	0:30	MISSION	NONE 16TH ST / M	-122.42	37.77	(37.765050121466	1.6E+13
160002869	ASSAULT	BATTERY	Friday	01-01-16	0:00	21:35	NORTHERN	NONE 1700 Block	-122.426	37.79	(37.788018555829	1.6E+13
160003130	OTHER OFF	PAROLE VI	Saturday	01-02-16	0:00	0:04	SOUTHERN	ARREST, BC MARY ST /	-122.406	37.78	(37.780878936021	1.6E+13
160003259	NON-CRIM	FIRE REPO	Saturday	01-02-16	0:00	1:02	TENDERLOI	NONE 200 Block c	-122.412	37.78	(37.783980559263	1.6E+13
160003970	WARRANT	WARRANT	Saturday	01-02-16	0:00	12:21	SOUTHERN	ARREST, BC 4TH ST / BE	-122.393	37.78	(37.775787621829	1.6E+13
160003641	MISSING	PI FOUND PE	Friday	01-01-16	0:00	10:06	BAYVIEW	NONE 100 Block c	-122.387	37.72	(37.720966961549	1.6E+13
160086863	LARCENY/T	ATTEMPT	Friday	01/29/2016	12:00	22:30	TARAVAL	NONE 1200 Block	-122.477	37.76	(37.764478157869	1.6E+13
160004053	NON-CRIM	AIDED CAS	Saturday	01-02-16	0:00	13:30	TARAVAL	NONE 2200 Block	-122.478	37.75	(37.745738942965	1.6E+13
160073014	OTHER OFF	RESISTING	Monday	01/25/2016	12:00	23:20	BAYVIEW	ARREST, BC 200 Block c	-122.377	37.74	(37.735697027548	1.6E+13
140776777	ASSAULT	AGGRAVAT	Thursday	09/15/2016	12:00	7:40	INGLESIDE	ARREST, BC SILVER AV ,	-122.432	37.73	(37.729270519959	1.41E+13
160004069	BURGLARY	BURGLARY,	Saturday	01-02-16	0:00	1:43	CENTRAL	NONE 100 Block c	-122.401	37.79	(37.791642982384	1.6E+13
160004150	STOLEN PR	STOLEN CH	Saturday	01-02-16	0:00	11:54	SOUTHERN	ARREST, BC 900 Block c	-122.409	37.78	(37.783706930154	1.6E+13
160004241	ROBBERY	ROBBERY, /	Saturday	01-02-16	0:00	14:11	MISSION	NONE 900 Block c	-122.407	37.76	(37.757289590457	1.6E+13
160004558	ASSAULT	BATTERY W	Saturday	01-02-16	0:00	16:40	MISSION	NONE VALENCIA S	-122.42	37.75	(37.748906305182	1.6E+13
160004655	ASSAULT	BATTERY	Saturday	01-02-16	0:00	17:05	INGLESIDE	NONE 900 Block c	-122.44	37.72	(37.715765426995	1.6E+13
160004837	LARCENY/T	PETTY THEI	Saturday	01-02-16	0:00	17:39	SOUTHERN	JUVENILE B 900 Block c	-122.408	37.78	(37.783569938691	1.6E+13
160005421	FRAUD	FRAUDULE	Saturday	01-02-16	0:00	21:00	NORTHERN	NONE GOUGH ST	-122.422	37.77	(37.773618627645	1.6E+13
160005750	WARRANT	WARRANT	Sunday	01-03-16	0:00	4:03	NORTHERN	ARREST, BC FRANKLIN S	-122.425	37.79	(37.792841284044	1.6E+13
160005841	DRUG/NAR	POSSESSIO	Sunday	01-03-16	0:00	6:50	MISSION	ARREST, BC 23RD ST / F	-122.414	37.75	(37.754098688206	1.6E+13
160005841	OTHER OFF	PROBATIO	Sunday	01-03-16	0:00	6:50	MISSION	ARREST, BC 23RD ST / F	-122.414	37.75	(37.754098688206	1.6E+13
160006071	ASSAULT	THREATS A	Sunday	01-03-16	0:00	9:38	RICHMON	ARREST, BC FULTON ST	-122.508	37.77	(37.771493996941	1.6E+13
160006598	OTHER OFF	VIOLATION	Sunday	01-03-16	0:00	15:09	TARAVAL	ARREST, BC 0 Block of C	-122.474	37.72	(37.718302204766	1.6E+13
160006770	OTHER OFF	LOST/STOL	Sunday	01-03-16	0:00	10:30	MISSION	NONE 16TH ST / L	-122.428	37.76	(37.764575231761	1.6E+13
160006786	BURGLARY	BURGLARY,	Sunday	01-03-16	0:00	15:45	NORTHERN	ARREST, BC 0 Block of F	-122.419	37.79	(37.787437830911	1.6E+13
160006952	OTHER OFF	TRAFFIC VI	Sunday	01-03-16	0:00	17:02	MISSION	ARREST, BC 26TH ST / T	-122.413	37.75	(37.749368828453	1.6E+13
160007057	NON-CRIM	AIDED CAS	Sunday	01-03-16	0:00	17:01	INGLESIDE	NONE 500 Block c	-122.435	37.71	(37.709201046237	1.6E+13
160007110	VEHICLE T	STOLEN TR	Sunday	01-03-16	0:00	15:40	CENTRAL	NONE 500 Block c	-122.411	37.79	(37.787920937553	1.6E+13
160007132	VEHICLE T	STOLEN AU	Sunday	01-03-16	0:00	9:00	CENTRAL	NONE GREEN ST /	-122.401	37.8	(37.800456647103	1.6E+13

160138652	LARCENY/T PETTY THEI	Tuesday	02/16/2016 12:00	12:40	INGLESIDE	NONE	3300 Block	-122.421	37.74	(37.743555054226	1.6E+13
160138771	ASSAULT AGGRAVAT	Tuesday	02/16/2016 12:00	13:10	TENDERLOI	NONE	100 Block c	-122.407	37.79	(37.786564760768	1.6E+13
160139490	RECOVEREI VEHICLE, R	Tuesday	02/16/2016 12:00	16:35	MISSION	ARREST, BC	18TH ST / C	-122.424	37.76	(37.761565592804	1.6E+13
160139490	OTHER OFF PAROLE VI	Tuesday	02/16/2016 12:00	16:35	MISSION	ARREST, BC	18TH ST / C	-122.424	37.76	(37.761565592804	1.6E+13
160007502	NON-CRIM DEATH REP	Sunday	01-03-16 0:00	19:45	INGLESIDE	NONE	100 Block c	-122.445	37.74	(37.744192750893	1.6E+13
160148877	NON-CRIM AIDED CASI	Friday	02/19/2016 12:00	16:39	SOUTHERN	NONE	1300 Block	-122.416	37.78	(37.775469282004	1.6E+13
160009956	ROBBERY ROBBERY C	Monday	01-04-16 0:00	17:50	TARAVAL	ARREST, BC	3200 Block	-122.476	37.73	(37.728528062746	1.6E+13
160010323	OTHER OFF VIOLATION	Monday	01-04-16 0:00	20:15	INGLESIDE	NONE	0 Block of \	-122.421	37.74	(37.742851737444	1.6E+13
160010486	VANDALISM MALICIOU	Monday	01-04-16 0:00	21:20	TENDERLOI	NONE	100 Block c	-122.416	37.78	(37.782119848893	1.6E+13
160010492	ASSAULT THREATS A	Sunday	01-03-16 0:00	21:30	SOUTHERN	NONE	200 Block c	-122.406	37.78	(37.779167421896	1.6E+13
160010505	LARCENY/T GRAND TH	Monday	01-04-16 0:00	19:40	MISSION	NONE	2300 Block	-122.41	37.77	(37.765718439528	1.6E+13
160010511	NON-CRIM AIDED CASI	Monday	01-04-16 0:00	21:45	SOUTHERN	NONE	800 Block c	-122.403	37.78	(37.775420706711	1.6E+13
160010527	BURGLARY BURGLARY	Monday	01-04-16 0:00	20:08	MISSION	NONE	1500 Block	-122.411	37.77	(37.767524308783	1.6E+13
160010527	ARSON ARSON OF	Monday	01-04-16 0:00	20:08	MISSION	NONE	1500 Block	-122.411	37.77	(37.767524308783	1.6E+13
140927099	BURGLARY BURGLARY	Wednesday	10/26/2016 12:00	19:37	INGLESIDE	ARREST, BC	5400 Block	-122.444	37.71	(37.713108343326	1.41E+13
140927099	DRUG/NAR POSSESSIO	Wednesday	10/26/2016 12:00	19:37	INGLESIDE	ARREST, BC	5400 Block	-122.444	37.71	(37.713108343326	1.41E+13
141000705	MISSING PI MISSING A	Tuesday	08/30/2016 12:00	12:29	SOUTHERN	NONE	KANSAS ST	-122.404	37.77	(37.766016011410	1.41E+13
141000705	MISSING PI FOUND PE	Tuesday	08/30/2016 12:00	12:29	SOUTHERN	NONE	KANSAS ST	-122.404	37.77	(37.766016011410	1.41E+13
160010878	ASSAULT AGGRAVAT	Monday	01-04-16 0:00	23:00	SOUTHERN	NONE	9TH ST / M	-122.415	37.78	(37.776231040475	1.6E+13
160010878	MISSING PI FOUND PE	Monday	01-04-16 0:00	23:00	SOUTHERN	NONE	9TH ST / M	-122.415	37.78	(37.776231040475	1.6E+13
160010890	VEHICLE TH STOLEN TR	Tuesday	01-05-16 0:00	5:25	NORTHERN	NONE	HAYES ST /	-122.418	37.78	(37.777511889569	1.6E+13
160010975	OTHER OFF DRIVERS LI	Tuesday	01-05-16 0:00	7:43	SOUTHERN	ARREST, CI	4TH ST / FC	-122.401	37.78	(37.782023847897	1.6E+13
160011014	WARRANTS WARRANT	Tuesday	01-05-16 0:00	2:28	BAYVIEW	ARREST, BC	2700 Block	-122.403	37.73	(37.72700531963,	1.6E+13
160011177	VANDALISM MALICIOU	Monday	01-04-16 0:00	8:00	TENDERLOI	NONE	300 Block c	-122.413	37.78	(37.783834437414	1.6E+13
160011183	NON-CRIM TARASOFF	Tuesday	01-05-16 0:00	9:45	MISSION	NONE	2700 Block	-122.419	37.75	(37.753018653744	1.6E+13
141066456	FRAUD FALSE ID TC	Thursday	07-07-16 0:00	23:08	SOUTHERN	ARREST, BC	10TH ST / F	-122.414	37.77	(37.774041838504	1.41E+13
160011860	ASSAULT AGGRAVAT	Tuesday	01-05-16 0:00	14:06	CENTRAL	NONE	200 Block c	-122.404	37.79	(37.790538993725	1.6E+13
160012006	OTHER OFF DRIVERS LI	Tuesday	01-05-16 0:00	15:15	NORTHERN	ARREST, BC	POLK ST / E	-122.419	37.78	(37.783099824459	1.6E+13
160012012	OTHER OFF DRIVERS LI	Tuesday	01-05-16 0:00	15:14	BAYVIEW	ARREST, BC	4000 Block	-122.389	37.74	(37.740736054835	1.6E+13
160012028	LARCENY/T GRAND TH	Tuesday	01-05-16 0:00	14:00	PARK	NONE	DIVISADER	-122.438	37.77	(37.774991294436	1.6E+13
160012034	MISSING PI MISSING A	Tuesday	01-05-16 0:00	8:55	NORTHERN	NONE	HAYES ST /	-122.421	37.78	(37.777090274366	1.6E+13
160012034	MISSING PI FOUND PE	Tuesday	01-05-16 0:00	8:55	NORTHERN	NONE	HAYES ST /	-122.421	37.78	(37.777090274366	1.6E+13
160012040	WARRANTS WARRANT	Tuesday	01-05-16 0:00	14:00	PARK	ARREST, BC	2600 Block	-122.447	37.78	(37.782245822391	1.6E+13

160012266	NON-CRIM AIDED CASI	Tuesday	01-05-16 0:00	16:10	BAYVIEW	NONE	SAN BRUNO	-122.405	37.73	(37.730037999512	1.6E+13
160012307	NON-CRIM PROPERTY	Tuesday	01-05-16 0:00	16:00	CENTRAL	NONE	100 Block c	-122.397	37.8	(37.795333826743	1.6E+13
160012313	WARRANTS WARRANT	Tuesday	01-05-16 0:00	16:22	CENTRAL	ARREST, BC	200 Block c	-122.407	37.79	(37.787515874162	1.6E+13
160012329	PROSTITUT SOLICITS LE	Tuesday	01-05-16 0:00	16:30	SOUTHERN	ARREST, BC	200 Block c	-122.403	37.78	(37.778523377603	1.6E+13
160012329	OTHER OFF INDECENT	Tuesday	01-05-16 0:00	16:30	SOUTHERN	ARREST, BC	200 Block c	-122.403	37.78	(37.778523377603	1.6E+13
160012692	NON-CRIM DEATH REP	Tuesday	01-05-16 0:00	15:30	PARK	NONE	1000 Block	-122.437	37.77	(37.773291806903	1.6E+13
160012711	DRUG/NAR POSSESSIO	Tuesday	01-05-16 0:00	18:04	SOUTHERN	ARREST, BC	BRYANT ST	-122.397	37.78	(37.780527578509	1.6E+13
160012711	WARRANTS ENROUTE T	Tuesday	01-05-16 0:00	18:04	SOUTHERN	ARREST, BC	BRYANT ST	-122.397	37.78	(37.780527578509	1.6E+13
160013361	LARCENY/T ATTEMPT	Tuesday	01-05-16 0:00	19:30	INGLESIDE	NONE	300 Block c	-122.45	37.73	(37.728418070660	1.6E+13
160013377	OTHER OFF DRIVERS LI	Tuesday	01-05-16 0:00	23:22	BAYVIEW	ARREST, BC	PHELPS ST	-122.401	37.73	(37.729211464735	1.6E+13
160013383	LARCENY/T GRAND THI	Tuesday	01-05-16 0:00	20:40	SOUTHERN	NONE	MISSION ST	-122.4	37.79	(37.788006532439	1.6E+13
160013399	SECONDAR JUVENILE II	Tuesday	01-05-16 0:00	23:15	BAYVIEW	ARREST, BC	3RD ST / EC	-122.395	37.72	(37.723974824160	1.6E+13
160013399	SUSPICIOUS INVESTIGA	Tuesday	01-05-16 0:00	23:15	BAYVIEW	ARREST, BC	3RD ST / EC	-122.395	37.72	(37.723974824160	1.6E+13
160013399	OTHER OFF TRAFFIC VI	Tuesday	01-05-16 0:00	23:15	BAYVIEW	ARREST, BC	3RD ST / EC	-122.395	37.72	(37.723974824160	1.6E+13
160013402	LARCENY/T GRAND THI	Tuesday	01-05-16 0:00	20:30	CENTRAL	NONE	600 Block c	-122.412	37.79	(37.788323544990	1.6E+13
160013418	OTHER OFF DRIVERS LI	Tuesday	01-05-16 0:00	23:30	MISSION	ARREST, BC	22ND ST / I	-122.409	37.76	(37.755997733985	1.6E+13
160189188	NON-CRIM LOST PROP	Wednesday	03-02-16 0:00	15:00	NORTHERN	NONE	1500 Block	-122.426	37.79	(37.787079814444	1.6E+13
160013703	NON-CRIM LICENSE PL	Tuesday	01-05-16 0:00	19:45	INGLESIDE	NONE	200 Block c	-122.415	37.74	(37.736037446686	1.6E+13
160013719	OTHER OFF DRIVERS LI	Wednesday	01-06-16 0:00	9:00	INGLESIDE	ARREST, BC	GENEVA AV	-122.432	37.71	(37.712767884821	1.6E+13
160013725	DRUNKEN UNDER INF	Wednesday	01-06-16 0:00	8:10	CENTRAL	ARREST, BC	0 Block of I	-122.402	37.79	(37.789571025586	1.6E+13
160013822	OTHER OFF TRAFFIC VI	Wednesday	01-06-16 0:00	9:21	INGLESIDE	ARREST, BC	MISSION ST	-122.429	37.73	(37.730742916955	1.6E+13
160013872	VANDALISM MALICIOUS	Tuesday	01-05-16 0:00	23:59	TENDERLOIN	NONE	300 Block c	-122.414	37.78	(37.783836556534	1.6E+13
160013888	OTHER OFF DRIVERS LI	Wednesday	01-06-16 0:00	9:46	INGLESIDE	ARREST, BC	MISSION ST	-122.429	37.73	(37.730742916955	1.6E+13
160013913	SECONDAR DOMESTIC	Wednesday	01-06-16 0:00	6:00	INGLESIDE	NONE	100 Block c	-122.422	37.74	(37.737362360521	1.6E+13
160013913	VANDALISM MALICIOUS	Wednesday	01-06-16 0:00	6:00	INGLESIDE	NONE	100 Block c	-122.422	37.74	(37.737362360521	1.6E+13
160014369	SUSPICIOUS SUSPICIOUS	Tuesday	01-05-16 0:00	1:00	TENDERLOIN	NONE	400 Block c	-122.412	37.79	(37.785998832379	1.6E+13
160014375	OTHER OFF DRIVERS LI	Wednesday	01-06-16 0:00	12:13	MISSION	ARREST, BC	17TH ST / F	-122.42	37.76	(37.763375805805	1.6E+13
160014381	NON-CRIM DEATH REP	Friday	01-01-16 0:00	8:00	TENDERLOIN	NONE	300 Block c	-122.412	37.79	(37.785022662278	1.6E+13
160014397	OTHER OFF FALSE PER	Monday	01-04-16 0:00	15:10	RICHMOND	NONE	700 Block c	-122.5	37.77	(37.774620649106	1.6E+13
160014836	ROBBERY ROBBERY C	Wednesday	01-06-16 0:00	14:23	RICHMOND	NONE	700 Block c	-122.467	37.78	(37.775191826721	1.6E+13
160014858	OTHER OFF FRAUDULE	Wednesday	01-06-16 0:00	6:00	TARAVAL	NONE	2000 Block	-122.487	37.75	(37.749084172902	1.6E+13
160015163	NON-CRIM AIDED CASI	Wednesday	01-06-16 0:00	16:09	MISSION	NONE	14TH ST / F	-122.416	37.77	(37.768536012358	1.6E+13
160015276	BURGLARY BURGLARY	Tuesday	01-05-16 0:00	20:00	PARK	NONE	1000 Block	-122.45	37.76	(37.764429771407	1.6E+13

160015276	LARCENY/T GRAND THIEF	Tuesday	01-05-16 0:00	20:00	PARK	NONE	1000 Block	-122.45	37.76	(37.764429771407	1.6E+13
160015282	LARCENY/T GRAND THIEF	Tuesday	01-05-16 0:00	17:00	TARAVAL	NONE	0 Block of A	-122.473	37.74	(37.735268146908	1.6E+13
160015470	BURGLARY BURGLARY	Wednesday	01-06-16 0:00	9:00	TARAVAL	NONE	2500 Block	-122.488	37.76	(37.759280552417	1.6E+13
160015486	ROBBERY ROBBERY, I	Wednesday	01-06-16 0:00	17:20	MISSION	JUVENILE B	CAPP ST / 2	-122.418	37.76	(37.755504342002	1.6E+13
160212234	TRESPASS TRESPASS II	Sunday	03/13/2016 12:00	12:15	SOUTHERN	ARREST, BC	100 Block c	-122.401	37.79	(37.785390630661	1.6E+13
160212240	SECONDAR JUVENILE II	Sunday	03/13/2016 12:00	11:45	NORTHERN	NONE	400 Block c	-122.428	37.77	(37.773295406746	1.6E+13
160016337	OTHER OFF DRIVERS LI	Thursday	01-07-16 0:00	1:25	INGLESIDE	ARREST, BC	GENEVA AV	-122.444	37.72	(37.718927976006	1.6E+13
160016343	SUSPICIOUS SUSPICIOUS	Thursday	01-07-16 0:00	1:17	TARAVAL	NONE	3200 Block	-122.476	37.73	(37.728528062746	1.6E+13
160016428	WARRANTS WARRANT	Thursday	01-07-16 0:00	3:30	TARAVAL	ARREST, BC	0 Block of S	-122.476	37.72	(37.720109206358	1.6E+13
160016569	LARCENY/T GRAND THIEF	Thursday	01-07-16 0:00	6:30	MISSION	NONE	GUERRERO	-122.423	37.75	(37.753568194121	1.6E+13
160016581	BURGLARY BURGLARY	Thursday	01-07-16 0:00	7:12	SOUTHERN	ARREST, BC	700 Block c	-122.412	37.78	(37.775128643866	1.6E+13
160016581	STOLEN PR STOLEN PR	Thursday	01-07-16 0:00	7:12	SOUTHERN	ARREST, BC	700 Block c	-122.412	37.78	(37.775128643866	1.6E+13
160016581	DRUG/NAR POSSESSIO	Thursday	01-07-16 0:00	7:12	SOUTHERN	ARREST, BC	700 Block c	-122.412	37.78	(37.775128643866	1.6E+13
160016581	DRUG/NAR POSSESSIO	Thursday	01-07-16 0:00	7:12	SOUTHERN	ARREST, BC	700 Block c	-122.412	37.78	(37.775128643866	1.6E+13
160016951	ROBBERY ROBBERY C	Thursday	01-07-16 0:00	2:00	MISSION	NONE	CASTRO ST	-122.435	37.76	(37.762670277087	1.6E+13
160016989	ROBBERY ATTEMPT E	Thursday	01-07-16 0:00	10:55	SOUTHERN	ARREST, BC	5TH ST / TE	-122.404	37.78	(37.781075963685	1.6E+13
150437862	WARRANTS WARRANT	Monday	10-03-16 0:00	18:05	BAYVIEW	ARREST, BC	3RD ST / P	-122.391	37.73	(37.734015218072	1.5E+13
150480366	VEHICLE TH STOLEN AN	Thursday	12-08-16 0:00	15:00	NORTHERN	ARREST, BC	PINE ST / P	-122.42	37.79	(37.789618819255	1.5E+13
150480366	DRUNKEN UNDER INF	Thursday	12-08-16 0:00	15:00	NORTHERN	ARREST, BC	PINE ST / P	-122.42	37.79	(37.789618819255	1.5E+13
150480366	VANDALISM MALICIOUS	Thursday	12-08-16 0:00	15:00	NORTHERN	ARREST, BC	PINE ST / P	-122.42	37.79	(37.789618819255	1.5E+13
150480366	VANDALISM MALICIOUS	Thursday	12-08-16 0:00	15:00	NORTHERN	ARREST, BC	PINE ST / P	-122.42	37.79	(37.789618819255	1.5E+13
160017125	SECONDAR DOMESTIC	Thursday	01-07-16 0:00	11:24	NORTHERN	NONE	1900 Block	-122.424	37.79	(37.792403076915	1.6E+13
160017125	NON-CRIM AIDED CASI	Thursday	01-07-16 0:00	11:24	NORTHERN	NONE	1900 Block	-122.424	37.79	(37.792403076915	1.6E+13
160017131	ASSAULT BATTERY, F	Thursday	01-07-16 0:00	7:30	MISSION	NONE	2700 Block	-122.419	37.75	(37.753018653744	1.6E+13
160017404	SUSPICIOUS INVESTIGA	Thursday	01-07-16 0:00	12:40	BAYVIEW	ARREST, BC	4900 Block	-122.391	37.73	(37.733588480771	1.6E+13
160019585	TRESPASS TRESPASS II	Friday	01-08-16 0:00	3:03	SOUTHERN	ARREST, BC	100 Block c	-122.401	37.79	(37.785457490295	1.6E+13
151004189	LARCENY/T PETTY THEF	Thursday	10/20/2016 12:00	9:00	NORTHERN	NONE	1500 Block	-122.421	37.79	(37.794192633627	1.51E+13
151069666	VEHICLE TH STOLEN TR	Wednesday	01-06-16 0:00	15:45	CENTRAL	NONE	400 Block c	-122.407	37.79	(37.789918101686	1.51E+13
151081422	SEX OFFENSE OBSCENE N	Wednesday	03/23/2016 12:00	17:40	INGLESIDE	ARREST, BC	0 Block of A	-122.443	37.73	(37.727468712692	1.51E+13
151081422	NON-CRIM SEARCH W	Wednesday	03/23/2016 12:00	17:40	INGLESIDE	ARREST, BC	0 Block of A	-122.443	37.73	(37.727468712692	1.51E+13
160017426	DRUG/NAR POSSESSIO	Thursday	01-07-16 0:00	13:13	NORTHERN	ARREST, BC	800 Block c	-122.422	37.78	(37.782733506120	1.6E+13
160017448	SEX OFFENSE OBSCENE N	Monday	01-11-16 0:00	16:41	TARAVAL	ARREST, BC	KIRKHAM S	-122.482	37.76	(37.759594931992	1.6E+13
160017448	SEX OFFENSE CHILD ABU	Monday	01-11-16 0:00	16:41	TARAVAL	ARREST, BC	KIRKHAM S	-122.482	37.76	(37.759594931992	1.6E+13