SanFranBuildingPermits

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1 San Francisco, CA Building Permit Mapping

1.1 About Me

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1.2 Credits

- **Data Source**: San Francisco Building Permits OpenGov database

1.3 Introduction

This is meant to demonstrate mapping within Python specifically using Pandas, GeoJSON, Folium and GeoPandas

1.4 Code

1.4.1 Imports

```python
## standard Python included imports
import pathlib
import re
import glob

## specially installed Python imports
import numpy as np
import pandas as pd
import folium as FMap
import IPython
from IPython.display import display
```
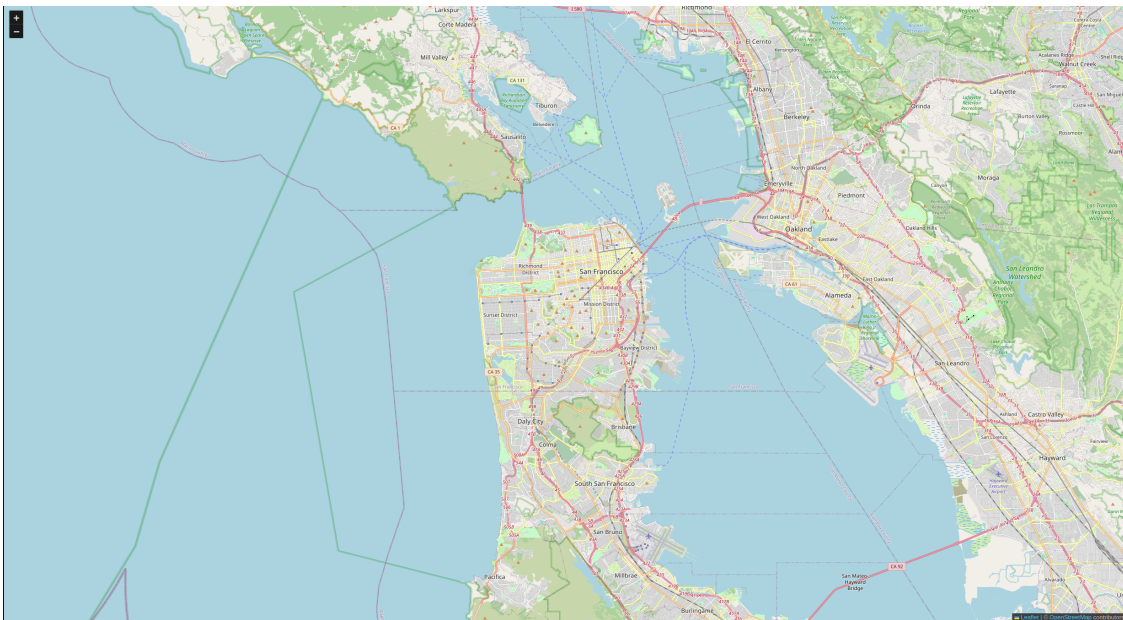
1.4.2 Pathnames and Filenames

[7]:

1.4.3 Basic Map

```python
[5]:  ## set upper, lower bounds (latitudes {North,South}, longitudes {East,West})
      ↪for limiting map
      lat_min, lat_max = 37.54, 37.85
      lon_min, lon_max = -122.54, -122.33
      sfmap = FMap.Map(
          location = (37.75429983275193, -122.44652683825896),
          tiles = "OpenStreetMap",
          max_bound = True,
          min_lat = lat_min,
          max_lat = lat_max,
          min_lon = lon_min,
          max_lon = lon_max,
          zoom_start = 12
      )
      sfmap.save("SanFranBasicMap.html")
```

```python
[8]:  IPython.display.Image(basicmapfile, format="png", embed=True)
      #sfmap
```

[8]:

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```python
[ ]:
```