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# Using Folium to Create a Crimp Map of LA

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# What is Folium?

- Python wrapper for visualizing data on an interactive leaflet map

## Installation

```
$ pip install folium
```

or

```
$ conda install folium -c conda-forge
```

# Maps & Markers

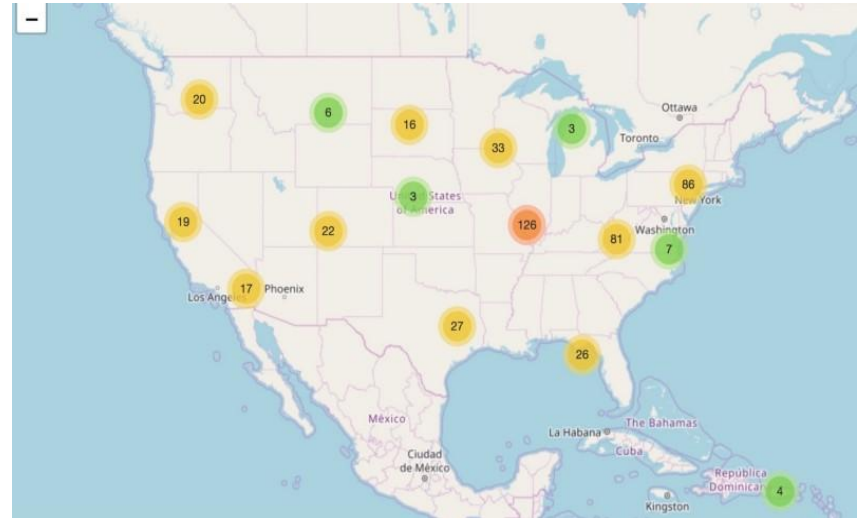
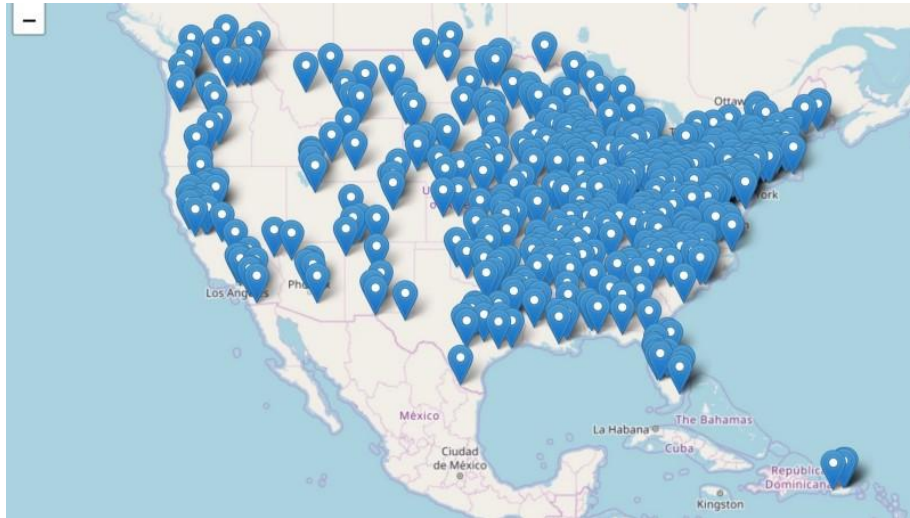
- Created by passing a pair of coordinates consisting of the latitude and longitude
- You can add tooltips and popup messages for markers

```
m = folium.Map(  
    location=[45.372, -121.6972],  
    zoom_start=12,  
    tiles='Stamen Terrain'  
)  
  
tooltip = 'Click me!'  
  
folium.Marker([45.3288, -121.6625], popup='<i>Mt. Hood Meadows</i>',  
    tooltip=tooltip).add_to(m)  
folium.Marker([45.3311, -121.7113], popup='<b>Timberline Lodge</b>',  
    tooltip=tooltip).add_to(m)  
  
m
```

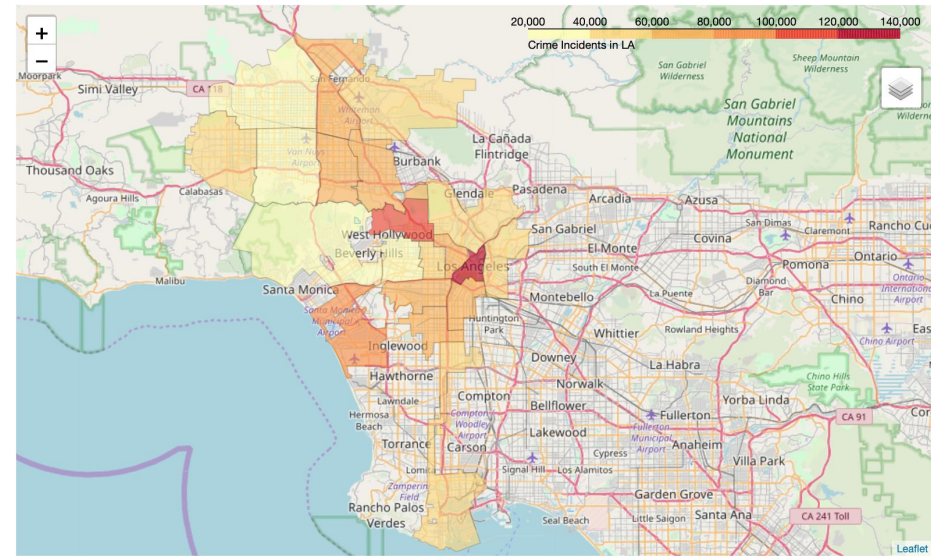
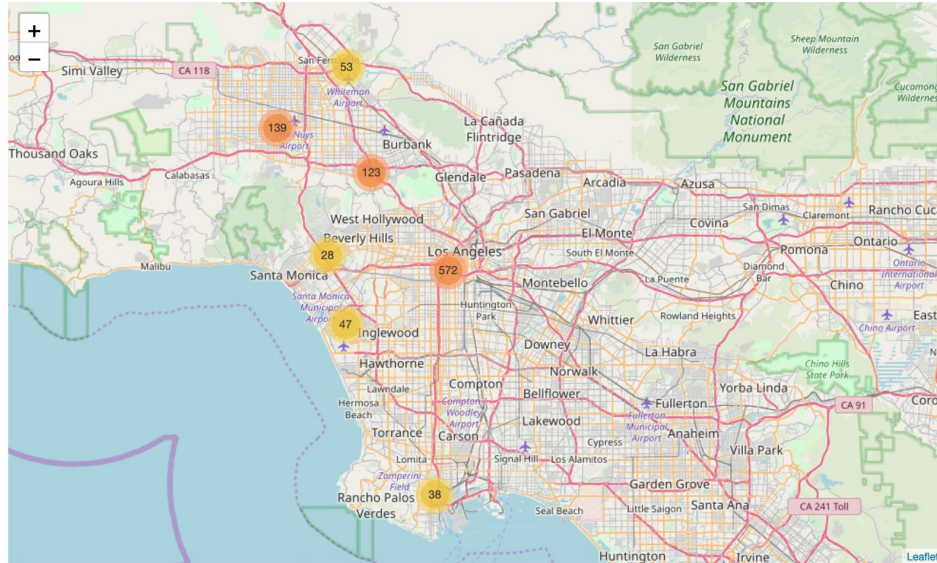


# Marker Clusters

- Group nearby markers together
- Easy way to declutter your map if you have a lot of markers



# Goal: Create an interactive crime map of LA



# Challenges

- Finding appropriate datasets
  - ◆ GeoJson file for choropleth map
- Manipulating the dataset to get relevant data
- Outdated tutorial