17.2 Lesson Summary - GeoJSON & Leaflet Plugins

Leaflet allows you to generate a number of different map-based data visualization and its functionality can be expanded by linking JavaScript events to map elements and adding references to Leaflet plugins.

Concept: Leaflet layer elements can be enhanced to respond to user interaction with JavaScript **events**. If you want to display a simple alert when a particular layer was clicked on you could use the following code:

*L.geoJson(data, {*

*onEachFeature: function(feature, layer) {*

*layer.on({*

*click: function(event) {*

*alert("You clicked on a layer!");*

*}*

*});*

*}*

*}).addTo(myMap);*

* Activity: 01-Evr\_BasicNYCBoroughs

Concept: Leaflet has a number of **plugins** that allow you to enhance your map-based data visualizations. Integrating plugins into your map can be as simple as adding a reference to them in your HTML file.

* Activity: 02-Evr\_CrimeHeatmap, 03-Stu\_MarkerClusters
* Suppl link: <https://leafletjs.com/plugins.html>

Concept: A **choropleth** is a map in which certain sections are colored or patterned to correspond with certain data. You can generate a choropleth with Leaflet by utilizing a choropleth plugin.

* Activity: 04-Par\_MoneyChoropleth