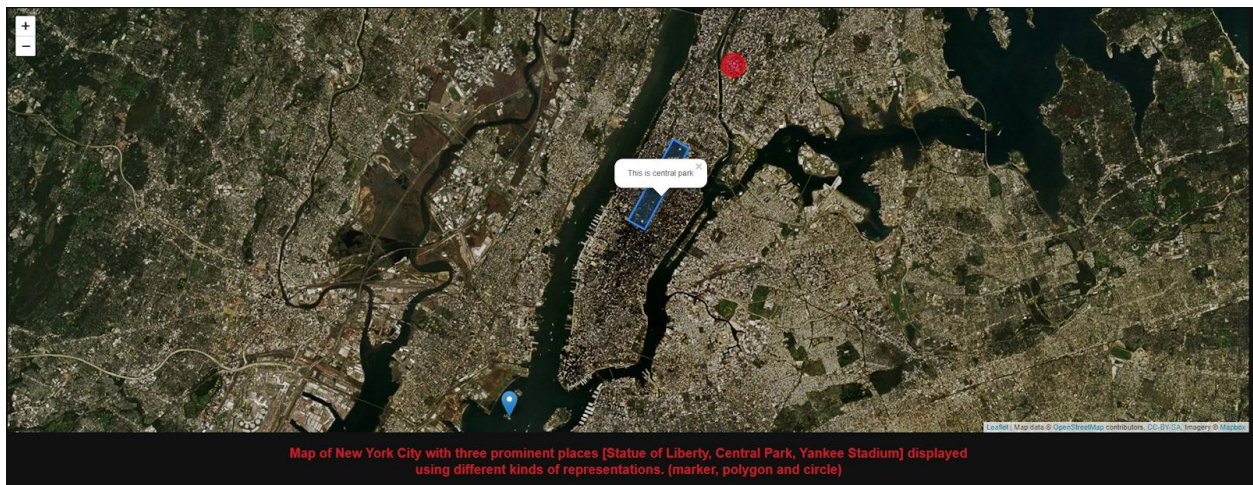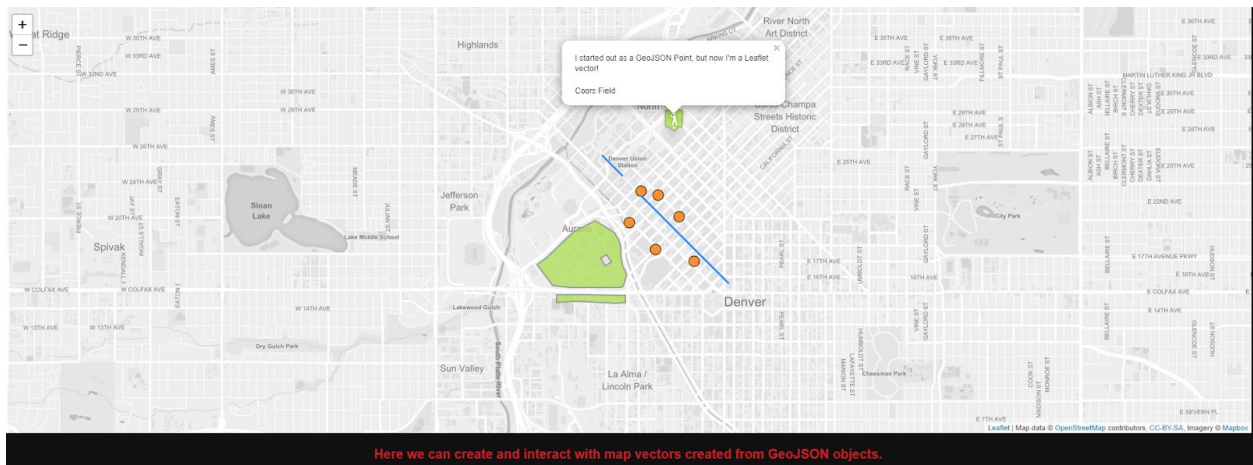# Week 6 - Activity - Conduct a tutorial on GIS&T software and methods

<u>Leaflet Tutorial</u>

I followed 3 examples from the Leaflet JS website. The first one I did was the QuickStart Guide, here I created and setup a leaflet map centered at NYC, and marked three prominent places using different representations, a marker, a polygon and a circle. It allows you to bind popups to it too.

Map of New York City with three prominent places [Statue of Liberty, Central Park, Yankee Stadium] displayed using different kinds of representations. (marker, polygon and circle)

The second one I did involved using GeoJSON to create map vectors and add an interaction element to it too. Leaflet works best with Feature and Feature collection type objects, but it supports other types too. GeoJSON objects can be added to the map using GeoJSON layer in Leaflet. You can bind popups easily using the onEachFeature function. Here's how the end result looked.

Here we can create and interact with map vectors created from GeoJSON objects.

The third one I did involved creating a Choropleth Map. Here, I used the feature data for US population density and incorporated the legend and info control options to make it more interactive. Here's a screenshot for it.