Challenge 15 - Leaflet Challenge

You will find a starter code folder that comprises the index.html file, the Leaflet D3 libraries JavaScript code, the CSS code for the style of the map and images. The Leaflet JavaScript code will allow the United States Geological Survey (USGS) to retrieve earthquake data with JavaScript to educate the public on this natural hazard.

Visited the USGS GeoJSON feed page to grab the data and chose to request the “Significant Earthquakes for the Past 30 Days” earthquake dataset. The data reveals the location, coordinates, magnitude, and depth of the earthquakes. Below is a sampling of the earthquake data:

A screenshot of a computer

Description automatically generated

Using Leaflet and Plotly created the earthquake visualization below representing the 16 earthquakes for the last 30 days.

A map of the world with green circles

Description automatically generated

Earthquakes with higher magnitudes appear larger in size, and earthquakes with greater depth appear darker in color. Each marker contains the location, magnitude and depth of the earthquake.

References:

Leaflet Tutorial https://leafletjs.com/<https://leafletjs.com/examples/choropleth/>

Leaflet legend <https://codepen.io/haakseth/pen/KQbjdO>