**Overview**

After working with Basil and Sadhana creating an earthquake map with two different maps and the earthquake overlay. Now, Basil and Sadhana would like to see the earthquake data in relation to the tectonic plates’ location on the earth, and they would like to see all the earthquakes with a magnitude greater than 4.5 on the map, and they would like to see the data on a third map.

**Summary**

Using USGS (Unites States Geological Survey) website & API feeds, the previous weeks’ worth of Earthquakes are mapped using the data from Mapbox to overlay with Javascript. Several maps were created using different Tile Layers (Satellite, Street, & Dark) along with different selectors to view the information.

Included is a completed map showing all three layers (Earthquakes within the 7 days, Tectonic Plate, & Earthquakes with a magnitude of greater than 4.5) from a Street view.

**Resources**

Operating Platform: Windows 11 Pro - Build 22621   
IDE Software: [Visual Studio Code](https://code.visualstudio.com/?wt.mc_id=vscom_downloads) Verison 1.75.1  
Completed Javascript File: [Major Earthquake JS](https://github.com/jasmith1503/Mapping_Earthquakes/blob/main/Mapping_Earthquakes/Earthquake_Challenge/static/js/major_eq_starter_logic.js)  
Mapbox Maps via API:   
Tectonic Plate geoJSON data: [TectonicPlates](https://github.com/fraxen/tectonicplates), [Specific geoJSON Dataset](https://raw.githubusercontent.com/fraxen/tectonicplates/master/GeoJSON/PB2002_boundaries.json)