

**Instructions:**

Evaluate the homework against the outlined criteria in the below rubric, assigning a rating to each criterion. Add points earned across all criteria and convert the total points to a letter grade, assigning a “+” or “-” letter grade designation at your discretion.

A (+/-)	35+	C (+/-)	15-24	F (+/-)	<5
B (+/-)	25-34	D (+/-)	5-14		

**Notes:**

The assignment utilizes **Leaflet** to complete the challenge. The source code should also be deployed to Github or Gitlab

**Rubric for Visualizing Data with Leaflet - Level 1:**

	<b>Mastery 20 points</b>	<b>Approaching Mastery 15 points</b>	<b>Progressing 10 points</b>	<b>Emerging 5-0 points</b>	<b>Incomplete</b>
<b>Map</b>	<p>The rendered leaflet map has all of the following:</p> <ul style="list-style-type: none"> <li>✓ TileLayer loads without error</li> <li>✓ Connects to geojson API using D3 without error</li> <li>✓ A legend showing the magnitude and their corresponding color</li> </ul>	<p>The rendered leaflet map has 2 of the following:</p> <ul style="list-style-type: none"> <li>✓ TileLayer loads without error</li> <li>✓ Connects to geojson API using D3 without error</li> <li>✓ A legend showing the magnitude and their corresponding color</li> </ul>	<p>The rendered leaflet map has 1 of the following:</p> <ul style="list-style-type: none"> <li>✓ TileLayer loads without error</li> <li>✓ Connects to geojson API using D3 without error</li> <li>✓ A legend showing the magnitude and their corresponding color</li> </ul>	<p>The rendered leaflet map has 1 of the following but with errors:</p> <ul style="list-style-type: none"> <li>✓ TileLayer loads without error</li> <li>✓ Connects to geojson API using D3 without error</li> <li>✓ A legend showing the magnitude and their corresponding color</li> </ul> <p>-OR-</p> <ul style="list-style-type: none"> <li>✓ The leaflet map does not render</li> </ul>	<p>No submission was received</p> <p>-OR-</p> <p>Submission was empty or blank</p> <p>-OR-</p> <p>Submission contains evidence of academic dishonesty</p>
<b>Data Points</b>	<p>The data points do all of the following:</p> <ul style="list-style-type: none"> <li>✓ Data points scale with magnitude level</li> <li>✓ Data points colors change with magnitude level</li> <li>✓ Each point has a tooltip with the Magnitude and the location</li> <li>✓ All data points load in the correct locations</li> </ul>	<p>The data points do 3 of the following:</p> <ul style="list-style-type: none"> <li>✓ Data points scale with magnitude level</li> <li>✓ Data points colors change with magnitude level</li> <li>✓ Each point has a tooltip with the Magnitude and the location</li> <li>✓ All data points load in the correct locations</li> </ul>	<p>The data points do 2 of the following:</p> <ul style="list-style-type: none"> <li>✓ Data points scale with magnitude level</li> <li>✓ Data points colors change with magnitude level</li> <li>✓ Each point has a tooltip with the Magnitude and the location</li> <li>✓ All data points load in the correct locations</li> </ul>	<p>The data points do 0-1 of the following:</p> <ul style="list-style-type: none"> <li>✓ Data points scale with magnitude level</li> <li>✓ Data points colors change with magnitude level</li> <li>✓ Each point has a tooltip with the Magnitude and the location</li> <li>✓ All data points load in the correct locations</li> </ul> <p>-OR-</p> <ul style="list-style-type: none"> <li>✓ Data points do not load</li> </ul>	

**Bonus:**

	<b>Mastery 10 points</b>	<b>Approaching Mastery 5 points</b>	<b>Emerging 0 points</b>
<b>Map</b>	<p>The leaflet map has all of the following:</p> <ul style="list-style-type: none"><li>✓ Control to change basemap</li><li>✓ Control to add/remove layers</li><li>✓ Tectonic plate lines on map</li></ul>	<p>The leaflet map has 2 of the following:</p> <ul style="list-style-type: none"><li>✓ Control to change basemap</li><li>✓ Control to add/remove layers</li><li>✓ Tectonic plate lines on map</li></ul>	<p>The leaflet map has only 1 of the following:</p> <ul style="list-style-type: none"><li>✓ Control to change basemap</li><li>✓ Control to add/remove layers</li><li>✓ Tectonic plate lines on map</li></ul> <p>-OR-</p> <ul style="list-style-type: none"><li>✓ Bonus is not attempted</li></ul>