



## Data Boot Camp Grading Rubric

# Unit 17 - Leaflet Homework - Visualizing Data with Leaflet

### 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>	The rendered leaflet map has all of the following: <ul style="list-style-type: none"><li>✓ TileLayer loads without error</li><li>✓ Connects to geojson API using D3 without error</li><li>✓ Markers with size corresponding to earthquake magnitude</li><li>✓ A legend showing the depth and their corresponding color</li></ul>	The rendered leaflet map has 2 of the following: <ul style="list-style-type: none"><li>✓ TileLayer loads without error</li><li>✓ Connects to geojson API using D3 without error</li><li>✓ Markers with size corresponding to earthquake magnitude</li><li>✓ A legend showing the depth and their corresponding color</li></ul>	The rendered leaflet map has 1 of the following: <ul style="list-style-type: none"><li>✓ TileLayer loads without error</li><li>✓ Connects to geojson API using D3 without error</li><li>✓ Markers with size corresponding to earthquake magnitude</li><li>✓ A legend showing the depth and their corresponding color</li></ul>	The rendered leaflet map has 1 of the following but with errors: <ul style="list-style-type: none"><li>✓ TileLayer loads without error</li><li>✓ Connects to geojson API using D3 without error</li><li>✓ Markers with size corresponding to earthquake magnitude</li><li>✓ A legend showing the depth and their corresponding color</li></ul> <p>-OR-</p> <ul style="list-style-type: none"><li>✓ The leaflet map does not render</li></ul>	No submission was received  -OR-  Submission was empty or blank  -OR-  Submission contains evidence of academic dishonesty



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<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 depth level</li><li>✓ Each point has a tooltip with the Magnitude, the location and depth</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 depth level</li><li>✓ Each point has a tooltip with the Magnitude, the location and depth</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 depth level</li><li>✓ Each point has a tooltip with the Magnitude, the location and depth</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 depth level</li><li>✓ Each point has a tooltip with the Magnitude, the location and depth</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>	
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### 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>