

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:

	Mastery 20 points	Approaching Mastery 15 points	Progressing 10 points	Emerging 5-0 points	Incomplete
Map	<p>The rendered leaflet map has all of the following:</p> <ul style="list-style-type: none"> ✓ TileLayer loads without error ✓ Connects to geojson API using D3 without error ✓ A legend showing the significance ranges and their corresponding color 	<p>The rendered leaflet map has 2 of the following:</p> <ul style="list-style-type: none"> ✓ TileLayer loads without error ✓ Connects to geojson API using D3 without error ✓ A legend showing the significance ranges and their corresponding color 	<p>The rendered leaflet map has 1 of the following:</p> <ul style="list-style-type: none"> ✓ TileLayer loads without error ✓ Connects to geojson API using D3 without error ✓ A legend showing the significance ranges and their corresponding color 	<p>The rendered leaflet map has 1 of the following but with errors:</p> <ul style="list-style-type: none"> ✓ TileLayer loads without error ✓ Connects to geojson API using D3 without error ✓ A legend showing the significance ranges and their corresponding color <p>-OR-</p> <ul style="list-style-type: none"> ✓ The leaflet map does not render 	<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>
Data Points	<p>The data points do all of the following:</p> <ul style="list-style-type: none"> ✓ Data points scale with magnitude level ✓ Data points colors change with significance level ✓ Each point has a tooltip with the magnitude, time, location, significance ✓ All data points load in the correct locations 	<p>The data points do 3 of the following:</p> <ul style="list-style-type: none"> ✓ Data points scale with magnitude level ✓ Data points colors change with significance level ✓ Each point has a tooltip with the magnitude, time, location, significance ✓ All data points load in the correct locations 	<p>The data points do 2 of the following:</p> <ul style="list-style-type: none"> ✓ Data points scale with magnitude level ✓ Data points colors change with significance level ✓ Each point has a tooltip with the magnitude, time, location, significance ✓ All data points load in the correct locations 	<p>The data points do 0-1 of the following:</p> <ul style="list-style-type: none"> ✓ Data points scale with magnitude level ✓ Data points colors change with significance level ✓ Each point has a tooltip with the magnitude, time, location, significance ✓ All data points load in the correct locations <p>-OR-</p> <ul style="list-style-type: none"> ✓ Data points do not load 	

Bonus:

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