

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 **D3** to complete the challenge. The source code should also be deployed to Github or Gitlab

Rubric for Data Journalism and D3:

	Mastery 20 points	Approaching Mastery 15 points	Progressing 10 points	Emerging 5-0 points	Incomplete
Data Points	The D3 plot has all of the following: <ul style="list-style-type: none"> ✓ No missing data points ✓ Each point is labeled with state abbreviation ✓ Each abbreviation fits inside of the data point ✓ Data points are in the correct location based on their data 	The D3 plot has 3 of the following: <ul style="list-style-type: none"> ✓ No missing data points ✓ Each point is labeled with state abbreviation ✓ Each abbreviation fits inside of the data point ✓ Data points are in the correct location based on their data 	The D3 plot has 2 of the following: <ul style="list-style-type: none"> ✓ No missing data points ✓ Each point is labeled with state abbreviation ✓ Each abbreviation fits inside of the data point ✓ Data points are in the correct location based on their data 	The D3 plot has 0-1 of the following: <ul style="list-style-type: none"> ✓ No missing data points ✓ Each point is labeled with state abbreviation ✓ Each abbreviation fits inside of the data point ✓ Data points are in the correct location based on their data 	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
Axes	The D3 plot has all of the following: <ul style="list-style-type: none"> ✓ Correct x axis title ✓ Correct y axis title ✓ Correct x ticks for chosen variable ✓ Correct y ticks for chosen variable ✓ x and y scales are spread out enough to prevent data points from overlapping 	The D3 plot has 4 of the following: <ul style="list-style-type: none"> ✓ Correct x axis title ✓ Correct y axis title ✓ Correct x ticks for chosen variable ✓ Correct y ticks for chosen variable ✓ x and y scales are spread out enough to prevent data points from overlapping 	The D3 plot has 2-3 of the following: <ul style="list-style-type: none"> ✓ Correct x axis title ✓ Correct y axis title ✓ Correct x ticks for chosen variable ✓ Correct y ticks for chosen variable ✓ x and y scales are spread out enough to prevent data points from overlapping 	The D3 plot has 0-1 of the following: <ul style="list-style-type: none"> ✓ Correct x axis title ✓ Correct y axis title ✓ Correct x ticks for chosen variable ✓ Correct y ticks for chosen variable ✓ x and y scales are spread out enough to prevent data points from overlapping 	

Bonus:

	Mastery 10 points	Approaching Mastery 5 points	Emerging 0 points
Bonus	<p>The D3 plot has all of the following:</p> <p>Data Points:</p> <ul style="list-style-type: none">✓ No missing data points✓ Each point is labeled with state abbreviation✓ Each abbreviation fits inside of the data point✓ Data points are in the correct location based on their data <p>Axies:</p> <ul style="list-style-type: none">✓ Multiple x axis titles✓ Multiple y axis titles✓ y ticks and scale update when y variable is changed✓ x ticks and scale update when x variable is changed✓ x and y scales are spread out enough to prevent data points from overlapping <p>Tooltips:</p> <ul style="list-style-type: none">✓ Full state name✓ Selected x axis variable and value✓ Selected y axis variable and value✓ Selected data point gains a border when hovered over	<p>The D3 plot has 10 or more of the following:</p> <p>Data Points:</p> <ul style="list-style-type: none">✓ No missing data points✓ Each point is labeled with state abbreviation✓ Each abbreviation fits inside of the data point✓ Data points are in the correct location based on their data <p>Axies:</p> <ul style="list-style-type: none">✓ Multiple x axis titles✓ Multiple y axis titles✓ y ticks and scale update when y variable is changed✓ x ticks and scale update when x variable is changed✓ x and y scales are spread out enough to prevent data points from overlapping <p>Tooltips:</p> <ul style="list-style-type: none">✓ Full state name✓ Selected x axis variable and value✓ Selected y axis variable and value✓ Selected data point gains a border when hovered over	<p>The D3 plot has 9 or less of the following:</p> <p>Data Points:</p> <ul style="list-style-type: none">✓ No missing data points✓ Each point is labeled with state abbreviation✓ Each abbreviation fits inside of the data point✓ Data points are in the correct location based on their data <p>Axies:</p> <ul style="list-style-type: none">✓ Multiple x axis titles✓ Multiple y axis titles✓ y ticks and scale update when y variable is changed✓ x ticks and scale update when x variable is changed✓ x and y scales are spread out enough to prevent data points from overlapping <p>Tooltips:</p> <ul style="list-style-type: none">✓ Full state name✓ Selected x axis variable and value✓ Selected y axis variable and value✓ Selected data point gains a border when hovered over