

Rubric for Module 12 Challenge:

	Proficiency 35 to > 34 points	Approaching Proficiency 33 to > 31 points	Developing Proficiency 31 to > 28 points	Emerging 27 to > 0 points	Incomplete
Deliverable 1: Create a Horizontal Bar Chart	<ul style="list-style-type: none"> Arrays are created when a new sample is selected from the dropdown menu (10 pt) All THREE elements of the trace object are created, and the data is in descending order (10 pt) The layout array creates a title for the chart (5 pt) When the webpage loads, the bar chart has the following: (10 pt) <ul style="list-style-type: none"> The top 10 sample values are sorted in descending order The sample values are the values The otu_ids are the labels 	<ul style="list-style-type: none"> Arrays are created when a new sample is selected from the dropdown menu (10 pt) ALL THREE elements of the trace object are created, and some of the data is in descending order (9 pt) The layout array creates a title for the chart (5 pt) The bar chart on the webpage has the following: (9 pt) <ul style="list-style-type: none"> The top 10 sample values are shown but not in descending order The sample values are the values The otu_ids are the labels 	<ul style="list-style-type: none"> Arrays are created when a new sample is selected from the dropdown menu (10 pt) ALL THREE elements of the trace object are created, but the data is not in descending order (8 pt) The layout array creates a title for the chart (5 pt) The bar chart on the webpage has the following: (8 pt) <ul style="list-style-type: none"> Sample values are shown but not in descending order The sample values are the values The otu_ids are the labels 	<ul style="list-style-type: none"> Arrays are created when a new sample is selected from the dropdown menu (10 pt) TWO of the THREE elements of the trace object are created (6 pt) The layout array creates a title for the chart (5 pt) The bar chart on the webpage has the following: (6 pt) <ul style="list-style-type: none"> The top 10 sample values are not shown The sample values are the values The otu_ids are the labels 	<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>
	Proficiency 30 to > 27 points	Approaching Proficiency 27 to > 24 points	Developing Proficiency 23 to > 21 points	Emerging 20 to > 0 points	
Deliverable 2: Create a Bubble Chart	<ul style="list-style-type: none"> All FIVE elements of the trace object are created, and data is properly displayed (10 pt) All THREE elements are created with the layout (10 pt) When the webpage loads, the bar and bubble chart initialize without error and update when a new sample is selected (10 pt) 	<ul style="list-style-type: none"> Code is written for FOUR of the FIVE elements of the trace object, and the data is displayed (8 pt) All THREE elements are created with the layout (10 pt) When the webpage loads the bar chart initializes without error and is updated (5 pt) When the webpage loads, there is a minor error when the bubble chart initializes or is updated (4 pt) 	<ul style="list-style-type: none"> Code is written for THREE of the FIVE elements for the bubble chart (7 pt) Code is written for TWO of THREE elements for the layout (8 pt) When the webpage loads the bar chart initializes without error and is updated (5 pt) When the webpage loads, there are a few errors when the bubble chart initializes or is updated (3 pt) 	<ul style="list-style-type: none"> Code is written for TWO of the FIVE elements for the bubble chart (6 pt) Code is written for ONE of THREE elements for the layout (6 pt) When the webpage loads, the bar chart initializes without error and is updated (5 pt) When the webpage loads, there are errors loading the bubble chart (3 pt) 	

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	Proficiency 20 to > 17 points	Approaching Proficiency 17 to > 14 points	Developing Proficiency 14 to > 11 points	Emerging 11 to > 0 points	
Deliverable 3: Create a Gauge Chart	<ul style="list-style-type: none"> The gauge chart on the dashboard has ALL of the following: (10 pt) <ul style="list-style-type: none"> A title Ranges in increments of 2, and each range is a different color The washing frequency value is added to the chart The indicator bar shows the level for the washing frequency When the webpage loads the bar, bubble, and gauge chart initialize without error and update when a new sample is selected (10 pt) 	<ul style="list-style-type: none"> The gauge chart on the dashboard has ALL of the following: (8 pt) <ul style="list-style-type: none"> A title Ranges in increments of 2, and each range is a different color The washing frequency value is added to the chart The indicator bar shows the level for the washing frequency When the webpage loads, the bar and bubble charts initialize without error and are updated (5 pt) When the webpage loads, there is a minor error when the gauge chart initializes or is updated (4 pt) 	<ul style="list-style-type: none"> The gauge chart has code written for THREE of the following: (6 pt) <ul style="list-style-type: none"> A title Ranges in increments of 2, and each range is a different color The washing frequency value is added to the chart The indicator bar shows the level for the washing frequency When the webpage loads, the bar and bubble charts initialize without error and are updated (5 pt) When the webpage loads, there are a few errors when the gauge chart initializes or is updated (3 pt) 	<ul style="list-style-type: none"> The gauge chart has code written for TWO of the following: (4 pt) <ul style="list-style-type: none"> A title Ranges in increments of 2, and each range is a different color The washing frequency value is added to the chart The indicator bar shows the level for the washing frequency When the webpage loads, the bar and bubble charts initialize without error and are updated (5 pt) When the webpage loads, there are errors loading the gauge chart (2 pt) 	
	Proficiency 15 to > 14 points	Approaching Proficiency 13 to > 11 points	Developing Proficiency 11 to > 9 points	Emerging 9 to > 0 points	
Deliverable 4: Customize the Dashboard	<ul style="list-style-type: none"> The webpage has THREE customizations (10 pt) When the webpage loads, the bar and bubble chart initialize without error and update when a new sample is selected (5 pt) 	<ul style="list-style-type: none"> The webpage has THREE customizations (10 pt) When the webpage loads or is updated, there is a minor error when the bar or bubble charts initialize and are updated (3 pt) 	<ul style="list-style-type: none"> The webpage has TWO of THREE customizations (8 pt) When the webpage loads or is updated, there is an error when the bar or bubble charts initialize and are updated (3 pt) 	<ul style="list-style-type: none"> The webpage has ONE of THREE customizations (6 pt) When the webpage loads or is updated, there are errors when bar or bubble charts initialize and are updated (3 pt) 	