

Data Boot Camp Grading Rubric

Module 14 - Plot.ly Homework - Belly Button Biodiversity

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 (+/-)	90+	C (+/-)	70-79	F (+/-)	<60
B (+/-)	80-89	D (+/-)	60-69		

Notes:

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

Rubric for Belly Button Biodiversity:

	Proficiency 100 to > 90 points	Approaching Proficiency 89 to > 80 points	Developing Proficiency 79 to > 60 points	Emerging 59 to > 0 points	Incomplete
Bar Chart	✓ Chart initializes without error ✓ Chart updates when a new sample is selected -AND- Chart uses all of the following: ✓ Top 10 sample values as values ✓ otu_ids as the labels ✓ otu_labels as the tooltip	✓ Chart initializes without error ✓ Chart updates when a new sample is selected -AND- Chart uses 2 of the following: ✓ Top 10 sample values as values ✓ otu_ids as the labels ✓ otu_labels as the tooltip	✓ Chart initializes without error ✓ Chart may not update when a new sample is selected -AND- Chart uses 1 of the following: ✓ Top 10 sample values as values ✓ otu_ids as the labels ✓ otu_labels as the tooltip	✓ Chart may not initialize ✓ Chart may not updates when a new sample is selected -AND- Chart uses 0-1 of the following: ✓ Top 10 sample values as values ✓ otu_ids as the labels ✓ otu_labels as the tooltip	No submission was received -OR- Submission was empty or blank
Bubble Chart	✓ Chart initializes without error ✓ Chart updates when a new sample is selected -AND- Chart uses all of the following: ✓ otu_ids for the x values	✓ Chart initializes without error ✓ Chart updates when a new sample is selected -AND- Chart uses 4 of the following: ✓ otu_ids for the x values	✓ Chart initializes without error ✓ Chart may not update when a new sample is selected -AND- Chart uses 2-3 of the following: ✓ otu_ids for the x values	✓ Chart may not initialize ✓ Chart may not updates when a new sample is selected -AND- Chart uses 0-1 of the following: ✓ otu_ids for the x values	-OR- Submission contains evidence of academic dishonesty



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	 ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	 ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	 ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	 ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	
	All of the following:	One of the following:	✓ Metadata initializes with errors	✓ Metadata initializes with errors	
	✓ Metadata initializes without error	✓ Metadata initializes without error✓ Metadata updates when a new	-AND-	-AND-	
Metadata And	✓ Metadata updates when a new sample is selected	sample is selected	✓ Metadata does not update when a new sample is selected	✓ Metadata does not update when a new sample is selected	
Deployment	✓ App Successfully Deployed to Github Pages.	-AND- ✓ App Successfully Deployed to	-AND-	-AND-	
		Github Pages.	✓ App Successfully Deployed to Github Pages.	✓ App not Deployed to Github Pages.	



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	Proficiency 20 points	Approaching Proficiency 15 points	Emerging 5-0 points
	All of the following:	Two of the following:	✓ Chart does not work
Bonus (Gauge Chart)	✓ Chart initializes without error ✓ Chart updates when a new sample is selected ✓ Gauge correctly displays the wash frequency from 0-9	✓ Chart initializes without error ✓ Chart updates when a new sample is selected ✓ Gauge correctly displays the wash frequency from 0-9	-OR- ✓ Gauge chart code is not provided