



Data Boot Camp Grading Rubric

Unit 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 (+/-)	55+	C (+/-)	25-39	F (+/-)	<10
B (+/-)	40-54	D (+/-)	10-24		

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:

	Mastery 20 points	Approaching Mastery 15 points	Progressing 10 points	Emerging 5-0 points	Incomplete
Bar Chart	<ul style="list-style-type: none">✓ Chart initializes without error✓ Chart updates when a new sample is selected <p>-AND-</p> <p>Chart uses all of the following:</p> <ul style="list-style-type: none">✓ Top 10 sample values as values✓ otu_ids as the labels✓ otu_labels as the tooltip	<ul style="list-style-type: none">✓ Chart initializes without error✓ Chart updates when a new sample is selected <p>-AND-</p> <p>Chart uses 2 of the following:</p> <ul style="list-style-type: none">✓ Top 10 sample values as values✓ otu_ids as the labels✓ otu_labels as the tooltip	<ul style="list-style-type: none">✓ Chart initializes without error✓ Chart may not update when a new sample is selected <p>-AND-</p> <p>Chart uses 1 of the following:</p> <ul style="list-style-type: none">✓ Top 10 sample values as values✓ otu_ids as the labels✓ otu_labels as the tooltip	<ul style="list-style-type: none">✓ Chart may not initialize✓ Chart may not update when a new sample is selected <p>-AND-</p> <p>Chart uses 0-1 of the following:</p> <ul style="list-style-type: none">✓ Top 10 sample values as values✓ otu_ids as the labels✓ otu_labels as the tooltip	<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>
Bubble Chart	<ul style="list-style-type: none">✓ Chart initializes without error✓ Chart updates when a new sample is selected <p>-AND-</p> <p>Chart uses all of the following:</p> <ul style="list-style-type: none">✓ otu_ids for the x values	<ul style="list-style-type: none">✓ Chart initializes without error✓ Chart updates when a new sample is selected <p>-AND-</p> <p>Chart uses 4 of the following:</p> <ul style="list-style-type: none">✓ otu_ids for the x values	<ul style="list-style-type: none">✓ Chart initializes without error✓ Chart may not update when a new sample is selected <p>-AND-</p> <p>Chart uses 2-3 of the following:</p> <ul style="list-style-type: none">✓ otu_ids for the x values	<ul style="list-style-type: none">✓ Chart may not initialize✓ Chart may not update when a new sample is selected <p>-AND-</p> <p>Chart uses 0-1 of the following:</p> <ul style="list-style-type: none">✓ otu_ids for the x values	



Data Boot Camp Grading Rubric

Unit 14 - Plot.ly Homework - Belly Button Biodiversity

	<ul style="list-style-type: none"> ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	<ul style="list-style-type: none"> ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	<ul style="list-style-type: none"> ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	<ul style="list-style-type: none"> ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	
Metadata And Deployment	<p>All of the following:</p> <ul style="list-style-type: none"> ✓ Metadata initializes without error ✓ Metadata updates when a new sample is selected ✓ App Successfully Deployed to Github Pages. 	<p>One of the following:</p> <ul style="list-style-type: none"> ✓ Metadata initializes without error ✓ Metadata updates when a new sample is selected <p>-AND-</p> <ul style="list-style-type: none"> ✓ App Successfully Deployed to Github Pages. 	<ul style="list-style-type: none"> ✓ Metadata initializes with errors <p>-AND-</p> <ul style="list-style-type: none"> ✓ Metadata does not update when a new sample is selected <p>-AND-</p> <ul style="list-style-type: none"> ✓ App Successfully Deployed to Github Pages. 	<ul style="list-style-type: none"> ✓ Metadata initializes with errors <p>-AND-</p> <ul style="list-style-type: none"> ✓ Metadata does not update when a new sample is selected <p>-AND-</p> <ul style="list-style-type: none"> ✓ App not Deployed to Github Pages. 	



Data Boot Camp Grading Rubric

Unit 14 - Plot.ly Homework - Belly Button Biodiversity

	Mastery 20 points	Approaching Mastery 15 points	Emerging 5-0 points
Bonus (Gauge Chart)	All of the following: <ul style="list-style-type: none">✓ Chart initializes without error✓ Chart updates when a new sample is selected✓ Gauge correctly displays the wash frequency from 0-9	Two of the following: <ul style="list-style-type: none">✓ Chart initializes without error✓ Chart updates when a new sample is selected✓ Gauge correctly displays the wash frequency from 0-9	<ul style="list-style-type: none">✓ Chart does not work <p>-OR-</p> <ul style="list-style-type: none">✓ Gauge chart code is not provided