

PLOTLY MINI-PROJECT GRADING RUBRIC:

Your mini-project will be evaluated against the outlined criteria in the below rubric, assigning a rating to each criterion.

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

Notes:

The assignment utilizes **Plotly, Flask, and Heroku** to complete the challenge. The source code should also be deployed to GitHub. The project should be deployed to Heroku.

Rubric for Belly Button Diversity

	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 updates 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 ✓ 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"> ✓ 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 ✓ 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"> ✓ 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 ✓ 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"> ✓ Chart may not initialize ✓ Chart may not updates 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 ✓ otu_ids for marker colors ✓ sample_values for the y values ✓ sample_values for the marker size ✓ otu_labels for text values 	

Gauge Chart	All of the following: ✓ Chart initializes without error ✓ Chart updates when a new sample is selected ✓ Gauge correctly displays the wash frequency from 0-9	All of the following: ✓ Chart initializes without error ✓ Chart updates when a new sample is selected ✓ Gauge correctly displays the wash frequency from 0-9	All of the following: Chart code under development	All of the following: Chart does not work -OR- Gauge chart code is not provided	
Metadata And Deployment	All of the following: ✓ Flask endpoints work without error ✓ Metadata initializes without error ✓ Metadata updates when a new sample is selected App Successfully Deployed to Heroku.	One of the following: ✓ Flask endpoints work without error ✓ Metadata initializes without error ✓ Metadata updates when a new sample is selected -AND- App Successfully Deployed to Heroku.	✓ Metadata initializes with errors -AND- ✓ Metadata does not update when a new sample is selected -AND- ✓ App Successfully Deployed to Heroku.	✓ Metadata initializes with errors -AND- ✓ Metadata does not update when a new sample is selected -AND- ✓ App not Deployed to Heroku. ✓ Flask endpoints do not work	

