Belly Button Biodiversity - interactive dashboard for a data set: http://robdunnlab.com/projects/belly-button-biodiversity/

- ## Step 1 Use Plotly.js to build interactive charts
- * Create a PIE chart that uses data from your samples route (/samples/<sample>) to display the top 10 samples.
 - * Use `sample_values` as the values for the PIE chart
 - * Use `otu ids` as the labels for the pie chart
 - * Use `otu_labels` as the hovertext for the chart ![PIE Chart](Images/pie_chart.png)
- * Create a Bubble Chart that uses data from your samples route (/samples/<sample>) to display each sample.
 - * Use `otu_ids` for the x values
 - * Use `sample_values` for the y values
 - * Use `sample_values` for the marker size
 - * Use `otu_ids` for the marker colors
 - * Use `otu_labels` for the text values
 ![Bubble Chart](Images/bubble_chart.png)
- * Display the sample metadata from the route `/metadata/<sample>`
- * Display each key/value pair from metadata JSON object somewhere on the page
- * Update all of the plots any time that a new sample is selected.
- * UNIQUE, ORIGINAL layout you like for your dashboard. An example
- * Place your name in the upper right-hand corner of the window to sign your masterpiece!
- ## Step 2 Heroku Deploy your Flask app to Heroku.
- * CAN use the provided sqlite file for the database. Ask prof/TAs for help!
- ## Advanced Challenge Assignment (Optional) very advanced.
- * Adapt the Gauge Chart from https://plot.ly/javascript/gauge-charts/ to plot the Weekly Washing Frequency obtained from the route `/wfreq/<sample>`
- * (Modify the example gauge code to account for values ranging from 0 9.)
- * Update the chart whenever a new sample is selected
- ## Flask API Use Flask API starter code to serve the data for your plots.
- * Test your routes by visiting each one in the browser.

Hints

- * Don't forget to 'pip install -r requirements.txt' before you start your server.
- * Use `console.log` inside JavaScript code to see data at each step.
- * Refer to the [Plotly.js Documentation](https://plot.ly/javascript/) on plots.