**Belly Button Biodiversity Dashboard**

**Objective :**

**An app to allow interactive selection of belly button swap samples and it visualizes the bacteria contents in a pie chart, a bubble chart and a gauge chart.**

**Author :**

**Emily Mo**

**About the data :**

It is based on the coolest study of biodiversity on the human body on the planet. Weblink : http://robdunnlab.com/projects/belly-button-biodiversity/

The belly button is one of the habitats closest to us, and yet it remains relatively unexplored. In January 2011, investigation of the microbes inhabiting our navels was conducted. This project inspired conversations about the beneficial roles microbes play in our daily lives.

The most common skin bacteria encountered on participants in the Belly Button Biodiversity Project belonged to the groups Staphylococci, Corynebacteria, Actinobacteria, Clostridiales, and Bacilli.

**About this dashboard :**

This app uses HTML/CSS/Bootstrap, flask app, javascript, plot-ly, aja, sqlite, sql-alchemy and json format.

The flask app renders the template which uses javascript to drive the selection of the belly button samples data visualization.

This app is deployed in Heroku and it can be checked out here :

<https://data-analytics-bellybutton.herokuapp.com/>