Week 8: Introduction and Instructions

In **Week 8: Random Variables and Statistical Inferences**, you will examine basic probability and statistics in Python. By the end of this week, you will be able to:

* Define basic statistical terms and concepts, including sampling and cumulative distribution.
* Explain the difference between standard deviation and variance when analyzing a dataset.
* Draw a random sample from a data set in Python.
* Collaborate on a project using GitHub.

This week, you will be hearing from [Jessica Cervi](https://student.emeritus.org/courses/1881/pages/meet-the-faculty).

Download the [Jupyter Notebooks](https://student.emeritus.org/courses/1881/files/840252/download?wrap=1) to follow along with each video in this week.

*Note: Some Jupyter Notebooks may include images. For the images to load properly, the Jupyter Notebooks and the "images" folder should be in the same directory.*