

### 3. Introducing the pyplot interface

There are many different ways to use Matplotlib. In this course, we will use the main object-oriented interface. This interface is provided through the pyplot submodule. Here, we import this submodule and name it `plt`. While using the name `plt` is not necessary for the program to work, this is a very strongly-followed convention, and we will follow it here as well. The `plt-dot-subplots` command, when called without any inputs, creates two different objects: a `Figure` object and an `Axes` object. The `Figure` object is a container that holds everything that you see on the page. Meanwhile, the `Axes` is the part of the page that holds the data. It is the canvas on which we will draw with our data, to visualize it. Here, you can see a `Figure` with empty `Axes`. No data has been added yet.