***This is a code demonstration, so you do not need to write any code.***

So far, the coding exercises have been in Jupyter Notebooks. Jupyter Notebooks are especially useful for data science applications because you can wrangle data, analyze data, and share a report all in one document. However, they're not ideal for writing modular programs, which require separating code into different files.

At the bottom of this page under **Supporting materials**, download three files.

* Gaussiandistribution.py
* Generaldistribution.py
* example\_code.py

Look at how the distribution class and Gaussian class are modularized into different files.

The Gaussiandistribution.py imports the Distributionclass from the Generaldistribution.py file. Note the following line of code:

from Generaldistribution import Distribution

This code essentially pastes the distribution code to the top of the Gaussiandistribution file when you run the code. You can see in the example\_code.py file an example of how to use the Gaussian class.

The example\_code.py file then imports the Gaussian distribution class.

For the rest of the lesson, you'll work with modularized code rather than a Jupyter Notebook. Go through the code in the modularized\_code folder to understand how everything is organized.

**Supporting Materials**

* [Generaldistribution](https://video.udacity-data.com/topher/2021/April/60788cae_generaldistribution/generaldistribution.py)
* [Gaussiandistribution](https://video.udacity-data.com/topher/2021/April/60788cba_gaussiandistribution/gaussiandistribution.py)
* [Example Code](https://video.udacity-data.com/topher/2021/April/60788cc2_example-code/example-code.py)