

Python for Informatics

Assignment 1

“Mean”

Description:

Create an IPython Jupyter Notebook file that performs the following:

1. Provide two or more headers, using the *Markdown* cell mode with leading '#'s at the beginning of your text, specifying the assignment title and your name. By executing a *Markdown* cell, the specified text becomes a comment within your Jupyter notebook. You will be executing at least two *Markdown* cells to provide your assignment title and your name as text headers.
2. Prompt the user, and receive input from the user for five floating point numeric values. You should use five *cells* to accomplish this.
3. Calculate and present (i.e., *print*) to the user the floating point mean value.

Note: When you create your Jupyter notebook, it will launch your default web browser (if not already launched), and your notebook will be displayed within one of your web browser's tabs. You do your work, execute your commands, and save your notebook file within your browser. Some students get confused because nothing seems to happen with they create the notebook from their IPython IDE (Canopy or Spyder)—you need to switch to your browser app to be able to find your newly created Jupyter notebook. It is highly recommended that you set either Chrome or Firefox to be your default browser. The Windows Internet Explorer (IE) and Edge browsers are not reliable browsers for working with the Jupyter platform. If you are using an OSX system, Safari seems to work okay. However, if you run into problems, please consider setting Chrome to be your default browser.

Important clarification: Assignment 1 is the only assignment that uses an .ipynb file. This first assignment serves as an introduction to the Jupyter platform. Jupyter is an exciting new development in the field of Computer Science, and it's important that you are aware of it as a resource. However, ***you won't be submitting any additional .ipynb based assignments in this course.***

Deliverable:

One IPython Notebook file (with an .ipynb extension), submitted as an attachment at our course shell assignment page.

Submission Deadline:

Please see the course schedule in our syllabus for all assignment submission deadlines.