MET 3601 Syntax Problem #5

Please do your work in the syntax-problems folder on the JupyterHub <u>and</u> upload the .ipynb file to Canvas.

https://fit25f.ees220002.projects.jetstream-cloud.org/

Objectives

1. Practice Writing Python code
2. Practice Running Python code
3. Use of a comment block at the beginning of the code and comments throughout the code
4. Practice selective execution with Python syntax

Due by 11:59 pm 9/12

Problem

1. Write a Python program that will read in 100 grades from a file called **grades.dat** [1]and compute the sum, average, and standard deviation using the NumPy module. **Use the numpy "loadtxt" function to read the data** (see page 102 in your text!).
2. Write a high-quality comment block at the beginning of your code and include good comments throughout your code.

Notes:

- Make sure documentation (e.g., comment block and comments throughout code) is present in your source code
- Make output informative so that anyone running your program understand what is being produced without seeing the assignment.

- Name the program (notebook)

  syntax5_lastname.ipynb

  where 'lastname' is your lastname 😊

---

[1] This file and data are in the syntax folder on the Jupyter Hub