

## MET 3601 Syntax Problem #11

Please do your work in the syntax-problems folder on the JupyterHub and **DON'T** forget to also **upload both the figure and the .ipynb file to Canvas!**

<https://fit24f-1.ees220002.projects.jetstream-cloud.org/>

### Objectives

1. Practice writing and running Python code
2. Use File I/O for input into program
3. Using Pandas read functionality and isolate pieces of read in data

*Due by 11:00 am 10/30/2024*

### Problem

1. Write a Python program that reads in surface data from the NWS ASOS in Melbourne FL (KMLB.txt; available on the JupyterHub). **Use Pandas read functionality.** Print all of the temperatures to standard output, find and print the maximum and minimum temperature from that time series. Use the following structure for your program code:

- a) Read in all data, isolate the temperature array and store in a unique variable namespace
- b) Determine max/min values the time series, store in their own variable namespaces
- c) Output all of the temperatures and the max/min values with units to standard output

*Notes:*

- Double check to make sure you have the correct output.
- 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.

- Rename the program (notebook)

syntax11\_lastname.ipynb

where 'lastname' is your lastname 😊