

Computation, Problem Set #1, Python Intro

OSM Lab, Jan Ertl

Due Tuesday, June 26 at 7:00am

Do the following Exercises from the Brigham Young University Applied Mathematics and Computational Emphasis (ACME) Python labs [Humpherys and Jarvis \(2017\)](#).

1. **Exercises from [ACME: Intro to NumPy](#) lab.** Do problems 1 through 7 from [Intro to NumPy](#) lab. You will need to download the [grid.npy](#) object, which is saved in the course repository.
2. **Exercises from [ACME: Python Standard Library](#) lab.** Do problems 1 through 5 from [Python Standard Library](#) lab. You will need to download the [box.py](#) module, which is saved in the course repository.
3. **Exercises from [ACME: Python Unit Testing](#) lab.** Do problems 1 through 6 from [Python Unit Testing](#) lab. You will need to download the [test_solutions.py](#) module and [test_solutions.py](#) script, which are saved in the course repository.
4. **Exercises from [ACME: Object Oriented Programming](#) lab.** Do problems 1 through 4 from [Object Oriented Programming](#) lab.
5. **Exercises from [ACME: Exceptions and File/IO](#) lab.** Do problems 1 through 4 from [Exceptions and File I/O](#) lab.

References

Humpherys, Jeffrey and Tyler Jarvis, “Computational Labs for Foundations of Applied Mathematics, Volumes I and II,” 2017.