**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 10: Productivity and Visualization**

**Lesson 2: Python Scripting 2**

**Instructor Guide**

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*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)

This lesson is meant to be a very basic primer to plotting with Python. It quickly covers the plot and hist functions. While the intention is for this to be done on an HPC cluster, it can easily be done on home computers where students can download and install Python. Start with presenting the slides and then the exercises are meant for the students to practice what is in the slides.

Common pitfalls include

1. Students not able to use a Unix-based text editor
2. Not having much experience with basic programming functions