PELAGOS
Consulting and Education

Python for Science

Leveraging the Numpy and Scipy math libraries

Syllabus

This course is designed for intermediate Python users and those have registered for the basic course Getting started with Python. The course imparts a set of really useful skills for number crunching with Python, such as:

1. Process data in multi-dimensional arrays using Numpy
2. Explore the limitless capability of Matplotlib to Visualise 2D and 3D data
3. Delve into the advanced science capabilites of the Scipy module, with examples in:
    - Integration and interpolation
    - Signal processing
    - Linear algebra and optimisation
    - Statistics

If there is time we will attempt a selection of advanced STEM-based exercises to offer students an opportunity to hone their craft.

Experience level

For intermediate users with a STEM background.

Course delivery and logistics

All of our workshops are taught by example from instructors that really care about you and your staff, with close attention paid to maximising educational value. Each day of training is approximately 6 hours of engagement plus breaks,

and some workshops may span over multiple days. With regard to logistics we have a number of options available including:

- On premises, where we come and teach the course using your facilities (additional cost).
- Online via video conferencing (available worldwide).

In order to keep the educational quality high we keep class sizes in the range of 1-16 participants. A workshop can be repeated for as many times as necessary to cover your training needs. This workshop may be combined with our other course offerings to create a tailored "boot camp" experience spanning several days.

Ready to commit?

So great to go on this journey with you! Click on the links below to enrol in a course or send us an email. We will be in touch soon to discuss logistics!

Enrol in Course | Email Pelagos