PYTHON TRAINING FOR RESOURCE PROFESSIONALS

python

IMC
PYTHON TRAINING

WHO IS THIS COURSE FOR?

This two-day course is designed to expose resource professionals to modern data science tools using the Python programming language. A key focus of this course will be to create fast and robust workflows, validate resource data, visualise block models and automate data manipulation tasks.

A background in computing or coding is not necessary for this course.

This course is offered either at the IMC office in Brisbane, Australia or remotely by video.

COURSE FOCUS

This course has been prepared by resource professionals and focuses on practical approaches to common real world issues relating to block model handling, manipulation and interfaces with mine planning packages.

COURSE OVERVIEW

- Introduction to Python
- Introduction to data science tools
- Block model manipulation
- Block model visualisation (2D & 3D)
- Descriptive statistics for validation
- Bulk data file manipulation
- Advanced data manipulation
- In-house mining library tutorials
- Interfacing with commercial mining software

LEARNING OUTCOMES

This course will enable you to:
- Develop your own data processing scripts using the Python programming language
- Understand and apply modern data science tools in a mining environment
- Handle and validate large datasets (i.e. block models)
- Streamline conventional data manipulation tasks
- Use Python to bulk manipulate many files in a single operation
- Merge/join multiple datasets together
- Visualise resource datasets in 3D using Python

CONTACT INFORMATION

For more information please contact training@imcm.com.au