

Python for spreadsheets and databases

Connect Python to databases and spreadsheets

Syllabus

This course is designed for intermediate Python users and those who have registered for the basic course Getting started with Python. We will explore the Pandas and SQLAlchemy libraries and how they can be useful for:

1. Getting data in and out of Excel spreadsheets
2. Processing data by row and column in a Pandas dataframe
3. Plotting time-series data
4. Connecting to relational databases in a way that transcends the myriad of SQL dialects
5. Building and dropping tables
6. Running SQL queries and filtering results
7. Getting information in to and out of relational databases using the SQLAlchemy Object Relational Mapper

Experience level

For intermediate users and higher.

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. This workshop is designed to be taught over 6 hours plus breaks, and usually this requires the investment of a full day. With regard to logistics we have a number of options available including:

- On premises, where we come and teach the course using your facilities (Perth metropolitan area or by travel arrangement).

- At our nominated training facilities (Perth metropolitan area only).
- Online via video conferencing (available worldwide).

To keep the educational quality high we have a strict person limit of up to 15 people per class. We can repeat a workshop for as many times as necessary to cover your training requirements. In addition to this workshop we can build our other course offerings to create a "boot camp" spanning several days.

Ready to take the conversation further?

So great to have you on board! When you are ready to have a further conversation we can help sort out the logistics and organise a quote.

[Contact us today!](#)