INFINZ
Institute of Finance Professionals NZ Inc.

INTRO TO PYTHON FOR FINANCIAL ANALYSIS

10-WEEK ONLINE MASTERCLASS

55 CPD HOURS

TAILORED FOR PROGRAMMING BEGINNERS WITH A BACKGROUND IN FINANCIAL ANALYSIS.

DATE & TIME
21 April to 25 June 2026

WHERE
Weekly, live-online sessions

INFINZ L&D

About the Masterclass

THIS 10-WEEK ONLINE COURSE IS TAILORED FOR PROGRAMMING BEGINNERS WITH A BACKGROUND IN FINANCIAL ANALYSIS.

It introduces students to the fundamentals of Python, the world's most popular programming language for data & analytics. The curriculum covers financial modeling and analysis, equipping students to use Python's extensive libraries and to continue self-study post-course.

WHO SHOULD ATTEND?

- Financial Analysts
- Investment Bankers
- Accountants
- Auditors
- Risk Managers
- Portfolio Managers
- Actuaries
- Market Researchers
- Quantative Analysts

THE PRESENTER

CHRIS CROW
CROW ADVISORY

Chris is an independent economist specializing in applied microeconomics & quantitative modelling.
He has worked on economic analysis, cost-benefit analysis, and policy evaluation projects in sectors including, transport, urban development, housing and land markets, water supply, forestry, financial services, and solid waste.

BENEFITS AND OUTCOMES

PRACTICAL SKILL DEVELOPMENT

- Learn to write, structure, and debug Python code with direct application to finance.
- Apply coding to tasks like discounted cash flow, compound growth rates, and interpreting balance sheets.
- Build on existing finance and Excel knowledge for immediate workplace relevance.

CONNECTION TO EMERGING AI TECHNOLOGY

- Use Large Language Models (LLMs) like ChatGPT as an interactive tutor for coding.
- Accelerate learning and problem-solving through AI-assisted explanations and code generation.
- Combine Python and AI to boost efficiency and stay aligned with industry innovation.

PATHWAY TO BIG DATA

- Gain confidence working with datasets larger than Excel can handle (millions of rows).
- Learn performance optimisation skills for handling medium-sized data locally.
- Establish a foundation for future progression into cloud and big data environments.

OUTCOME

- Graduate with practical Python coding skills tailored to finance and analytics.
- Enhance modelling and data analysis with AI-enabled efficiency.
- Develop a versatile toolkit to tackle complex analytical challenges and career growth.

THE COMMITMENT

Each week has a commitment of at least the following:

- 1 × 120-minute online lecture
- 1 × 60-minute small group session
- 3 hours of homework, submitted for review and feedback

Participants are expected to meet deadlines and fully commit to their responsibilities.

WHEN AND WHERE?

Weekly on-line sessions commence in April 2026.

HOW TO REGISTER

Places are limited. To register or enquire, contact Faith Taylor at support@infinz.com

PREREQUISITE

Sound financial literacy and understanding of financial statements

CONTENT WILL INCLUDE

MODULE 1 – BASICS
Learn to write and run simple Python code using functions, operators, variables, strings, and basic flow control, building a foundation with lists, tuples, dictionaries, and error handling.

MODULE 2 – FLOW CONTROL & OBJECTS
Develop advanced flow control skills, master loops and Boolean shortcuts, and explore powerful list and dictionary methods for real-world problem solving.

MODULE 3 – FUNCTIONS WITH ARGUMENTS
Gain the ability to create reusable, customised functions with arguments, defaults, and internal flow control to streamline coding tasks.

MODULE 4 – WORKING WITH PANDAS
Use pandas to manage tabular data, read and write files, filter and transform datasets, handle nulls and dates, and integrate with numpy for analysis.

MODULE 5 – MODELLING & VISUALISATION
Perform data aggregation, reshaping, and financial modelling with pandas and numpy, then bring results to life through data visualisation with matplotlib.

COSTS

INFINZ Members - $2,075 + GST
Non-Members - $2,520 + GST

10% Discount: Alumni from the Next Directors programme (members only); or where three or more register from the same organisation.
20% Discount: For those outside the Auckland Region.

(Please note: a maximum of 20% discount applies to any one registrant).

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