INFINZ
Institute of Finance Professionals NZ Inc.

INTRO TO PYTHON FOR FINANCIAL ANALYSIS

ONLINE COURSE
COMMENCING
MARCH 2025

This 10-week online course is tailored for programming beginners with a background in Financial Analysis.

INFINZ L&D

ABOUT
the course

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 and 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

BENEFITS & outcomes

STUDENT EXPERIENCE LEVEL
- The program begins with basic programming concepts, assuming no prior experience.
- It progresses quickly, demanding substantial engagement equivalent to a university course.
- Prior knowledge of financial analysis and familiarity with MS Excel for financial modelling are beneficial.

CONNECTION TO EMERGING AI TECHNOLOGY
- Python is widely used for building Machine Learning models, such as classifiers and time-series forecasts.
- Large Language Models (LLMs) like ChatGPT can facilitate efficient coding and learning especially well in Python due to the large body of open-source python code on the web.
- LLMs act as a digital tutor for python beginners and enhances coding proficiency for the more experienced.

CONNECTION TO "BIG DATA"
- While Python supports big data applications in cloud environments, this course focuses on skills applicable to smaller datasets manageable on personal computers.
- It lays a foundation for students aspiring to handle larger datasets or develop skills for cloud-based applications in the future.

THE
commitment

Each week has a commitment of at least the following:

1 x 90 minute online lecture
1 x 60 minute online small group session

There will also be weekly homework.

It is expected that all participants understand the requirement to complete homework by the set deadlines and commit fully to their responsibilities.

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.

16 CPD HOURS

CONTENT will include

THE MODULES

This comprehensive 10-week course is structured into five detailed modules, each designed to build on your skills progressively:

MODULE 1: FOUNDATIONS OF PROGRAMMING

Dive into the basics with an introduction to operators, data types, & structures, along with fundamental concepts of flow control.

MODULE 2: ADVANCED FLOW CONTROL AND OBJECT METHODS

Continue exploring flow control and learn about common methods associated with objects to enhance your coding toolkit.

MODULE 3: FUNCTIONS IN DEPTH

Master the art of writing and calling functions to make your code more modular, reusable, and maintainable.

MODULE 4: DATA MANIPULATION WITH PANDAS

Get hands-on with the pandas library to manipulate and analyse tabular data effectively.

MODULE 5: FINANCIAL MODELLING USING PANDAS

Apply your pandas skills to build robust financial models, an essential skill for data-driven financial analysis.

A more comprehensive programme is available on the website

WHEN & where

TEN **on-line** sessions commence in March 2025, with a break for Easter/School holidays then recommences until June 2025.

HOW to register

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

Each module is crafted to ensure a deep understanding of both theoretical concepts and practical applications, setting a strong foundation for advanced studies or professional application in programming.

COST

INFINZ Members - $1,999 + GST
Non-Members - $2,400 + GST

10% Discount: alumni from Next Directors program (members only)
10% Discount: 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).

MORE information

www.infinz.com

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