hkpc Academy 生產力學院

Python for Big Data Analytics Certificate Programme

AI

Course Fee: HK$6,000   (May apply up to HK$4,000 subsidy)
*Maximum saving, with the final grant subjects to approval.

RTTP Approved   TechEd

This course is intended for participants who aspire to stretch his analytics competencies in the organization using open-source technology to apply Python programming **best practices** to perform moderate sophisticated analytics processes, data prepping and modelling tasks for simple predictive analytics using machine learning with Python.

Programme code	10011607-08
Date and time	31 Aug, 7 Sep 2021 (Tuesday) (9:30am-5pm, Total: 12 hours)
Venue	Classroom 122, 1/F HKPC Building, 78 Tat Chee Avenue, Kowloon Tong
Language	Cantonese, supplemented with English terminology
Course fee	HK$6,000 (May up to HK$4,000* subsidy)
Prerequisite	• Computer operation & basic internet skill • Any computer language skill • Basic Excel skill

Course Description

This 2 days course will use Python as the programming language across all analytics processes. Upon completion of this course, you will be able to use Python in data prepping tasks and prepare models for predictive analytics. You will learn how to use Pandas and various Python libraries, everything from importing spreadsheet data to processing sets for time-series analysis, machine learning and even AI.

Who Should Attend?

It is highly relevant to participants who involve in the requirements input, design, development, delivery and ultimate use of the digital initiatives including data consumer, digital initiatives decision maker, business analyst, and operational line managers.

Course Outline

Content (highlights)

Python for Data Analytics

❖ Python data structure and programming
❖ Lambda and Python libraries
❖ Data profiling, statistical computation, data cleansing & munging with Pandas
❖ Perform interactive data analytics with Python
❖ Case studies: Finance, Logistics, Airline and Utilities etc.

Machine Learning Essentials

❖ Machine Learning (ML) and Artificial Intelligence (AI)
❖ Machine Learning best practice – CRISP-DM
❖ Popular Machine Learning algorithms and models

Award of Certificate of Attendance

Participant with full attendance of class will be awarded a Certificate of Attendance issued by the Hong Kong Productivity Council.

Bring Your Own Device (BYOD): Windows 7/10 / Mac OS 10.x or above with minimum 2 GB RAM and 20 GB hard disk

Trainer Information

Patrick TSOI, is a trainer with over 20 years hands-on data science, Big Data and programming experiences. He is a Doctor of Education candidate from Hong Kong Baptist University, Master in IT Education graduate from the Hong Kong University and B.Eng in System Engineering and Engineering Management from the Chinese University of Hong Kong.

RTTP Training Grant Application
Companies should submit their RTTP training grant application for their employee(s) via https://rttp.vtc.edu.hk/rttp/login at least two weeks before course commencement. Alternatively, application form could be submitted by email to rttp@vtc.edu.hk along with supporting documents.

Enrolment Methods

1. Scan the QR code to complete the enrolment and payment online.

2. Mail the crossed cheque with payee name "Hong Kong Productivity Council" (in HK dollar) and the application form should be mailed to HKPC Academy, Hong Kong Productivity Council, 3/F, HKPC Building, 78 Tat Chee Avenue, Kowloon (attention to Ms Cherry LAM). Please indicate the course name and course code on the envelope.

Enrolment Link

Supporting Organisations