Professional Certificate in Machine Learning (Python)

FINTECH

Course outline

- Introduction to Python Programming
- Statistical Thinking and Exploratory Analysis
- Basic Concepts of Data Modelling
- Advanced Concepts of Data Modelling
- Practical Concepts in Supervised Machine Learning
- Practical Concepts in Unsupervised Machine Learning

Course objectives

Through this course, graduates will develop the relevant skillsets to build data-driven Machine Learning/AI applications and cognitive products using Python, which is becoming one of the world's most popular programming languages used by world class organisations across different industries such as Google, IBM, Facebook, Tesla, Fiat, Bank of America, J.P Morgan, amongst others.

At the end of the course, participants will be able to

- Build up hands-on proficiency in Python programming
- Learn to wrangle data with Python
- Apply common statistical data analysis techniques and modelling using Python
- Apply data visualisation techniques using Python
- Develop machine learning models encompassing supervised and unsupervised learning using Python
- Apply them to real world problems in a capstone project

Course details
1 week

Certificated by Singapore Management University (SMU)

Who should attend
Professionals, managers or executives who would like to harness AI in their fields to get more insight.

Pre-requisites
Participants should
- have basic coding experience
- be comfortable with basic level algebra

Tool
Python

Model of training
Classroom,
Field trip

www.semeco.com.sg