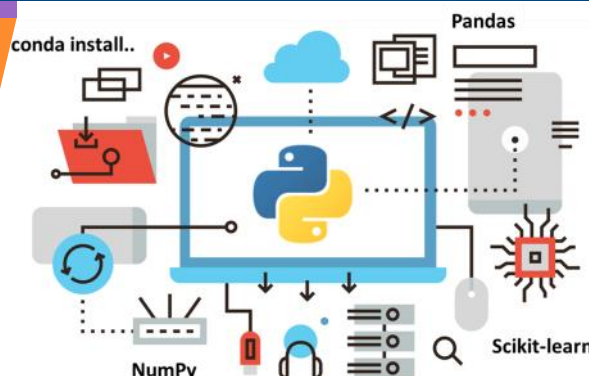


TECHNOLOGY & ENGINEERING SERIES

Introduction to Python Programming



This programme is designed for participants who need a refresher training on Python or to learn Python before attending the Introduction to Python for Data Science programme. It will equip the participants with sufficient knowledge to undertake the data science journey in the Python programming language.

While this is an introduction to Python programming, the main focus will be on the use of Python techniques such as interactions with data sources and libraries such as Pandas, NumPy for data munging and Bokeh for visualization. These fundamentals are the pre-requisites to building data analytics models with more advanced Python libraries.

The programme will also cover the use of Python libraries and maintenance of libraries conflicts with Anaconda environments and Python virtualenv. This is an important topic as the rapid innovation of the Python data science ecosystem often requires the use of multiple libraries with incompatible versions, and the use of virtualenv or Anaconda environments helps maintain developer sanity.

DATE

28 - 29 September 2017

DURATION

2 Days; 9.00am to 5.30pm daily

VENUE

National University of Singapore

FEE

Singaporean & PR - S\$1,395.00

International Participant - S\$1,650.00

**Registration will close 5 working
days prior to programme
commencement date**

REGISTER NOW!

PROGRAMME OUTLINE

Day 1

- ◆ Python Basics
- ◆ Working with Data Sources
- ◆ Mini-project 1 – Building a data product

Day 2

- ◆ Introduction to Data Analytics with Python
- ◆ Introduction to Visualization with Python
- ◆ Min-project 2 – Building an interactive data product with Pandas and Bokeh

WHO SHOULD ATTEND

Software Engineers, Programmers or Data Analysts

PRE-REQUISITES

Basic scripting or programming experience in other languages preferred but not necessary.

NOTE

- ◆ Fee for Singaporean & PR is after funding from e2i. Terms and Conditions apply. SkillsFuture Credit does not apply.
- ◆ NTUC members enjoy 50% of the unfunded programme fee support for up to \$250 each year for programmes supported under *UTAP (Union Training Assistance Programme). Terms and Conditions apply. Please visit <http://skillsupgrade.ntuc.org.sg>.



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