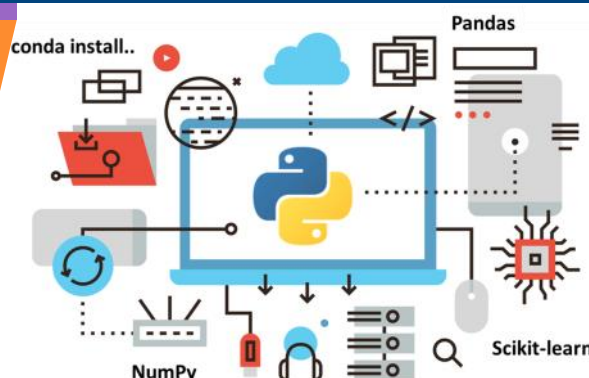


**TECHNOLOGY & ENGINEERING SERIES**

# 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

**24 - 25 August 2017**

## DURATION

**2 Days; 9.00am to 5.30pm daily**

## VENUE

**NUS University Town Education  
Centre (Level 2)  
8 College Avenue West  
Singapore 138608  
ERC Seminar Room 2**

## FEE

**S\$1,605 (includes GST)**

**REGISTRATION CLOSES ON  
17 AUGUST 2017**

**REGISTER NOW!**

## COURSE 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

## PRE-REQUISITES

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

## WHO SHOULD ATTEND

Software Engineers, Programmers or Data Analysts



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