

**TECHNOLOGY & ENGINEERING SERIES**

# Introduction to Python For Data Science



New libraries for data manipulation, visualization and data modeling have made Python an increasingly exciting alternative to R as a data science language.

This programme aims to quickly bring up to speed a programmer or business analyst who already knows how to programme in Python to begin using Python as a data science tool.

The programme will define data science and explore the first two things a data scientist must do – cleaning and visualizing data. It will then cover the Data Science Workflow - training models and testing them through the application of machine learning models to various industry-relevant data science problems. The tools used will be Scikit-learn and Keras.

## DATE

18 - 19 September 2017

## DURATION

2 Days; 9.00am to 5.30pm daily

## VENUE

National University of Singapore

## FEE

S\$1,605 (includes GST)

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

**REGISTER NOW!**

## PROGRAMME OUTLINE

### Day 1

- ◆ Introduction to Python, and Data Munging with Excel and Python
- ◆ Analytics Visualization and Story-telling with Python and friends
- ◆ Introduction to Scikit-Learn for Statistical Learning and Keras for Deep Learning

### Day 2

- ◆ Statistical Learning 101 (A Refresher in Python)
- ◆ The Analytics Dozen in Python

## PRE-REQUISITES

Must be familiar with the Python programming language, or have attended our Introduction to Python training, and statistics 101 at a pre-university level.

## WHO SHOULD ATTEND

Software Engineers, Programmers or Data Analysts



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