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.

**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

**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)