



## Course outline

- Learn how to read, analyse and write data using Python.
- Perform exploratory data analysis with Python libraries including Numpy, Pandas.
- Create data visualisations with Python libraries such as Matplotlib, Plotly.

## Course objectives

Data visualisation plays an essential role in the representation of both small and large-scale data. One of the key skills of a data scientist is the ability to tell a compelling story using data and findings in an approachable and stimulating way.

At the end of the course, participants will be able to explore a multitude of data modelling methodologies and understand how to select and apply them for analysis purposes.

### Course details

1 week

Certificated by Singapore Management University (SMU)

### Who should attend

- Aspiring data science professionals seeking to apply Python to real world data problems e.g. business intelligence analysts, data engineers
- Anyone with an interest in learning about the fundamentals of data science programming
- Anyone whose work interfaces with data analysis who wants to learn key concepts, formulations, algorithms and practical examples of what is possible in machine learning and artificial intelligence

### Pre-requisites

Basic qualification with an equivalent to Professional Certificate in Python Programming is essential.

### Tools

Python

### Model of training

Classroom, Field trip

