Course outline

- Participants will select a dataset, experiment with exploratory data analysis and create either a suitable prediction model, or a suitable inference report to the data.

- The module culminates in group capstone project presentations, as well as the submission of final reports documenting the capstone project.

Course objectives

Having built a solid foundation in techniques of Data Analysis, participants will have to apply their newly acquired skills in a group-based capstone project to demonstrate their understanding.

At the end of the course, participants will be able to:

- Demonstrate solid foundation in modelling, inference and prediction, data visualisation
- Demonstrate a facility to gather, handle and process text data
- Use relevant analyses to answer specific hypotheses
- Apply and demonstrate understanding through the capstone project

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
• Anyone with an interest in learning about the advanced data analysis techniques and putting it in practice
• Managers looking into costs and performance hurdles through predictive modelling

Pre-requisites
Experience in Python programming (equivalent to that attained in Professional Certificate in Python Programming programme) is essential..

Tools
Python

Model of training
Classroom,
Field trip