



Course outline

In this course, participants will learn the foundations of probability and statistics.

They will learn both the mathematical theory, and get a hands-on experience of applying this theory to actual data using Python.

Course objectives

Reasoning about uncertainty is inherent in the analysis of noisy data. Probability and Statistics provide the mathematical foundation for such reasoning.

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

- Review basic statistical concepts and probability theory
- Explore elements of descriptive analysis and data presentation
- Explore elements of inferential analysis and parameter estimation

Course details

1 week

Certificated by Singapore Management University (SMU)

Who should attend

- Anyone with an interest in learning about the fundamentals of data science programming
- Managers who need the vision and understanding of the many opportunities, costs, and likely performance hurdles in predictive modeling, especially as they pertain to large amounts of textual (or similar) data
- Professionals looking for a deeper understanding and hands-on experience with SMU School of Information System's adjunct faculty and industry expert

Pre-requisites

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

Tool

Python

Model of training

Classroom, Field trip

