



At the end of the course, participants will:

- Be guided through a well-organised curriculum, covering from the fundamentals of AWS, to Hadoop, and large-scale distributed data processing with Apache Spark
- Learn how to explore and analyse big data
- Train models at scale using Spark ML
- Learn how to deploy models in production using SageMaker

Course objectives

Big data marks a major turning point in the use of data and is a powerful vehicle for growth and profitability. A comprehensive understanding of a company's data, its potential and the analytics methods can be a new vector for performance.

The rise of big data reflects the growing awareness of the 'power' behind data, and of the need to enhance gathering, exploitation, sharing and analysing the data. Analytics applications will ensure the proper exploitation of the proliferating volumes of data for a variety of business purposes, involving not only production of simple data-driven insights on operations, but also a prediction of future trends and events. Furthermore it leads to new opportunities moving ahead, more effective operations, high profits and satisfied customers. So organisations should deal with big data analytics seriously and smartly to enhance and improve its business.

Course outline

In this 5-day intensive bootcamp, participants will learn how to explore and analyse big data, train models at scale using Spark ML, and deploy models in production using SageMaker. Comprising 40% theory and 60% hands-on with real-world datasets and problems, this bootcamp also includes a final project where participants get to work in a team on a more advanced topic of their choosing.

Course details

1 week

Certificated by Singapore Management University (SMU)

Who should attend

Professionals who are keen to learn big data and AWS skills

Pre-requisites

Participants must have familiarity with Python, SQL, Linux; and prior knowledge of machine learning concepts

Model of training

Classroom, Company visits

Tools

Spark ML, SageMaker

