



Course outline

- Building on Web Scraping and Data Insights, this course will equip participants with regression and classification techniques to predict response variables as well as an understanding of the key principles and workflow of supervised machine learning.
- Participants will also have the opportunity to execute supervised machine learning through a series of data science

Course objectives

Regression and classification are two of the most widely used techniques in machine learning that allows data scientists to make predictions by learning the relationship between features of the data and some observed, continuous-valued response.

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

- Experience and internalise the workflow of supervised machine learning algorithms and techniques
- Understand the concepts and differentiate between the various supervised machine learning techniques
- Run the supervised machine learning algorithms and techniques, along with visualisation, and interpret the results
- Cross-validate the models and assess the generalisation ability

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 modelling, especially as they pertain to large amounts of textual (or similar) data
- Professionals looking for a deeper understanding and hands-on experience with SMU adjunct faculty and industry expert

Pre-requisites

No prior experience or background required

Tools

R Programming

Model of training

Classroom, Field trip

