

COURSE DETAIL

STATISTICAL LEARNING I

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

148

UCEAP Course Suffix

A

UCEAP Official Title

STATISTICAL LEARNING I

UCEAP Transcript Title

STATISTICAL LEARNING

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This series of two courses covers many of the popular approaches for a variety of statistical problems. There is heavy emphasis on the implementation of these methods on real-world data sets in the popular statistical software package R. Part I gives a broad overview of the common problems as well as their most popular approaches. Topics include linear regression model and its extensions, classification methods, resampling methods, regularization and model selection, principal components and clustering methods.

Language(s) of Instruction

English

Host Institution Course Number

ST3248

Host Institution Course Title

STATISTICAL LEARNING I

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistics and Data Science

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