

COURSE DETAIL

STATISTICAL LEARNING

Country

Hong Kong

Host Institution

University of Hong Kong

Program(s)

University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

134

UCEAP Course Suffix**UCEAP Official Title**

STATISTICAL LEARNING

UCEAP Transcript Title

STATISTICAL LEARN

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course examines supervised and unsupervised learning, with emphases on the theoretical underpinnings and on applications in the statistical programming environment R. Topics include linear methods for regression and classification, model selection, model averaging, basic expansions and regularization, kernel smoothing methods, additive models and tree-based methods. We will also provide an overview of neural networks and random forests.

Language(s) of Instruction

English

Host Institution Course Number

COMP3354

Host Institution Course Title

STATISTICAL LEARNING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

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