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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed
2024-2025

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