COURSE DETAIL

MACHINE 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 117
UCEAP Course Suffix
UCEAP Official Title MACHINE LEARNING
UCEAP Transcript Title MACHINE LEARNING
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course examines algorithms, tools, practices, and applications of machine learning. Topics include core methods such as supervised learning (classification and regression), unsupervised learning (clustering, principal component analysis), Bayesian estimation, neural networks; common practices in data pre-processing, hyper-parameter tuning, and model evaluation; tools/libraries/APIs such as scikit-learn, Theano/Keras, and multi/many-core CPU/GPU programming.

Language(s) of Instruction
English

Host Institution Course Number
COMP3314

Host Institution Course Title
MACHINE LEARNING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2024-2025

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