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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

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