COURSE DETAIL

APPLIED MACHINE LEARNING
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title APPLIED MACHINE LEARNING
UCEAP Transcript Title APPLD MACHINE LEARN
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
This course provides an introduction to several subdomains of machine learning and gives an orientation to fundamental methods and algorithms within these domains. The following topics are covered: basic knowledge concerning theories and methods related to the following subdomains; unsupervised and supervised learning, classification, and regression; neural networks, including convolutional neural networks, recurrent neural networks and deep learning; Bayesian learning; reinforcement learning; support vector machines, decision trees, random forests, ensemble methods; hardware and software architectures for machine learning, parallelisation, use of GPUs.

Language(s) of Instruction
English

Host Institution Course Number
EDAN96,EDAN95,FMAN45,BMEN35

Host Institution Course Title
APPLIED MACHINE LEARNING

Host Institution Course Details
https://kurser.lth.se/lot/course-syllabus-sv/24_25/EDAN96

Host Institution Campus
Lund University

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2024-2025

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