COURSE DETAIL

DEEP LEARNING AND ARTIFICIAL INTELLIGENCE METHODS
Country Sweden
Host Institution Lund University
Program(s) Lund University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics Computer Science
UCEAP Course Number 173
UCEAP Course Suffix
UCEAP Official Title DEEP LEARNING AND ARTIFICIAL INTELLIGENCE METHODS
UCEAP Transcript Title DEEP LEARN AI MTHDS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

The course presents an application-focused and hands-on approach to learning neural networks and reinforcement learning. It is an introduction to deep learning methods, presenting a wide range of connectionist models that represent the current state-of-the-art. Topics include the fundamentals of machine learning and the mathematical and computational prerequisites for deep learning; feed-forward neural networks, convolutional neural networks, and the recurrent connections to a feed-forward neural network; a brief history of artificial intelligence and neural networks, and reviews open research problems in deep learning and connectionism. Entry requirements include 90 credits in statistics and a course in linear algebra.

Language(s) of Instruction
English

Host Institution Course Number
STAN47

Host Institution Course Title
DEEP LEARNING AND ARTIFICIAL INTELLIGENCE METHODS

Host Institution Course Details
https://www.lunduniversity.lu.se/lubas/i-uoh-lu-STAN47

Host Institution Campus
Lund

Host Institution Faculty
Economics and Management

Host Institution Degree

Host Institution Department
Statistics

Course Last Reviewed
2023-2024

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