COURSE DETAIL

MACHINE LEARNING AND STATISTICAL METHODS FOR PREDICTION AND CLASSIFICATION

Country
Norway

Host Institution
University of Oslo

Program(s)
University of Oslo

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Statistics Computer Science

UCEAP Course Number
115

UCEAP Course Suffix

UCEAP Official Title
MACHINE LEARNING AND STATISTICAL METHODS FOR PREDICTION AND CLASSIFICATION

UCEAP Transcript Title
MACHINE LEARN&STAT

UCEAP Quarter Units
8.00

UCEAP Semester Units
5.30

Course Description

This course provides an introduction to different methods for supervised learning (regression and classification). The course contains both model- and algorithm-based approaches. The main focus is supervised learning, but unsupervised methods like clustering are briefly discussed. The course also deals with issues connected to large amounts of data (i.e. "big data"). The course gives a good basis for further studies in statistics or data science, but is also useful for students who need to perform data analysis in other fields.

Language(s) of Instruction
English

Host Institution Course Number
STK2100

Host Institution Course Title
MACHINE LEARNING AND STATISTICAL METHODS FOR PREDICTION AND CLASSIFICATION

Host Institution Course Details
https://www.uio.no/studier/emner/matnat/math/STK2100/index-eng.html

Host Institution Campus

Host Institution Faculty
Mathematics and Natural Sciences

Host Institution Degree
Bachelor

Host Institution Department
Mathematics

Course Last Reviewed

2024-2025

Print