

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

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