

COURSE DETAIL

MACHINE LEARNING

Country

Ireland

Host Institution

Trinity College Dublin

Program(s)

Trinity College Dublin

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

161

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 includes prediction using machine learning; choice of features, including for text, images, time series; model selection (e.g. linear, kernel, neural net); learning as empirical risk minimization; common machine learning techniques (linear regression, logistic regression, SVMs, kernel trick, neural nets, convolutional neural nets, kNN, k-Means); evaluating machine learning methods (cross-validation, bootstrapping, ROC, use of a baseline); and practical experience of applying machine learning methods to real data.

Language(s) of Instruction

English

Host Institution Course Number

CSU44061

Host Institution Course Title

MACHINE LEARNING

Host Institution Course Details

<https://teaching.scss.tcd.ie/module/csu44061-machine-learning/>

Host Institution Campus

Trinity College Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science and Statistics

Course Last Reviewed

2024-2025

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