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

Print