

Machine Learning, Data Science and Artificial Intelligence

Code: SCI3070

Extent: 20-25 credits

Language: English

Teacher in charge: Professor Samuel Kaski

Administrative contact: Anu Kuusela

Target group: All master's students with sufficient prerequisite knowledge.

Application procedure: Open for all students of Aalto University

Quotas and restrictions: No quotas

Prerequisites: Bachelor-level minor in Computer Science or equivalent knowledge. Please check the prerequisites of the courses before signing up.

Content and structure of the minor

Students take the compulsory course CS-E3210 Machine Learning: Basic Principles and select additional courses from the elective courses list.

Structure of the minor

Code	Name	Credits
Compulsory course		5
CS-E3210	Machine Learning: Basic Principles	5
Elective courses		15-20
CS-E5710	Bayesian Data Analysis	5
CS-E4890	Deep Learning	5
CS-E4820	Machine Learning: Advanced Probabilistic Methods	5
CS-E4600	Algorithmic Methods of Data Mining	5
CS-E4830	Kernel Methods in Machine Learning	5
CS-E4840	Information Visualization	5
CS-E4870	Research Project in Machine Learning and Data Science	5