COURSE DETAIL

MACHINE LEARNING AND DATA MINING
Country Italy
Host Institution University of Bologna
Program(s) University of Bologna
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 167
UCEAP Course Suffix
UCEAP Official Title MACHINE LEARNING AND DATA MINING
UCEAP Transcript Title MCHN LRN & DATA MIN
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course is part of the Laurea Magistrale degree program and is intended for advanced level students. Enrollment is by permission of the instructor. At the end of the course the student knows and understands: - the motivation and the components of the Data Mining process; - the general concepts, technologies and methodologies of Data Warehouse, OLAP and Data Lake, as enabling factors of the Data Mining process; - the principles and the most relevant use cases of a wide set of Machine Learning algorithms which are used to extract relevant and actionable information from large amounts of data. At the end of the course the student is able to: - design the main steps of a Data Mining process - choose the Machine Learning methods best suited for the process - evaluate the quality of the result in order to support strategic and operational decisions. The course is divided into two parts: Data Mining and Machine Learning.

Language(s) of Instruction
English

Host Institution Course Number
B2125,95631

Host Institution Course Title
MACHINE LEARNING AND DATA MINING M

Host Institution Course Details
https://www.unibo.it/en/study/phd-professional-masters-specialisation-schools-a…

Host Institution Campus
BOLOGNA

Host Institution Faculty

Host Institution Degree
LM in COMPUTER ENGINEERING

Host Institution Department
COMPUTER SCIENCE AND ENGINEERING

Course Last Reviewed
2024-2025

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