COURSE DETAIL

COGNITIVE ALGORITHMS
Country Germany
Host Institution Technical University Berlin
Program(s) Technical University Berlin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 102
UCEAP Course Suffix
UCEAP Official Title COGNITIVE ALGORITHMS
UCEAP Transcript Title COGNITIVE ALGORTHMS
UCEAP Quarter Units 5.50
UCEAP Semester Units 3.70

Course Description

The lecture covers elementary concepts in machine learning and their application on real data with a special focus on methods that are simple to implement. The course alternates lectures and practice sessions. In the practice sessions, students implement and apply machine learning algorithms on real data in Python. Topics include: supervised learning (linear regression techniques, linear classification, kernel based regression), unsupervised learning (principal component analysis, clustering), and model selection.

Language(s) of Instruction
English

Host Institution Course Number
0434 L 502

Host Institution Course Title
COGNITIVE ALGORITHMS

Host Institution Course Details
https://uceap.sharepoint.com/:b:/s/DocumentLibrary/EVO2cT9Ls-5HpDgO8RM-o1cByjSn...

Host Institution Campus
FAKULTÄT IV ELEKTROTECHNIK UND INFORMATIK

Host Institution Faculty

Host Institution Degree

Host Institution Department
Institut für Softwaretechnik und Theoretische Informatik

Course Last Reviewed
2023-2024

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