COURSE DETAIL

NATURAL LANGUAGE PROCESSING
Country China
Host Institution Tsinghua University
Program(s) Tsinghua University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 163
UCEAP Course Suffix
UCEAP Official Title NATURAL LANGUAGE PROCESSING
UCEAP Transcript Title NATURAL LANG PROCES
UCEAP Quarter Units 4.50
UCEAP Semester Units 3.00

Course Description

Natural language Processing (NLP) is one of the most important technologies in Artificial Intelligence. NLP aims at enabling computers to understand human languages and communicate with humans. There are a large variety of tasks and machine learning methods in NLP. The course provides a thorough introduction to NLP, from its history to recent advances in deep learning applied to NLP. On the task side, we will cover sequence tagging, parsing, classification and clustering, and some applications such as machine translation. On the model side, we will cover statistical models and neural networks. By learning from lectures and programming assignments, students will master necessary knowledge about NLP and engineering tricks for practical NLP problem.

Language(s) of Instruction
English

Host Institution Course Number
80240763

Host Institution Course Title
NATURAL LANGUAGE PROCESSING

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Department of Computer Science and Technology

Course Last Reviewed
2023-2024

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