

COURSE DETAIL

EMPIRICAL METHODS IN NATURAL LANGUAGE

Country

China

Host Institution

Peking University, Beijing

Program(s)

Peking University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

110

UCEAP Course Suffix**UCEAP Official Title**

EMPIRICAL METHODS IN NATURAL LANGUAGE

UCEAP Transcript Title

EMP METH NATL LANG

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course is an introduction for undergraduate students who are interested in empirical methods applied to natural language processing. We will emphasize on empirical methods, which mainly refers to data-driven models with ingredient from pattern recognition and machine learning. We will also survey interesting NLP applications, e.g., word segmentation, tagging, parsing, etc., and introduce recent advances in statistical machine translation and information extraction. In this course, students will learn what data-driven methods are, how to utilize those models to build their own systems to analyze massive text data and actually solve a real NLP problem in practice. T

Language(s) of Instruction

English

Host Institution Course Number

04832710

Host Institution Course Title

EMPIRICAL METHODS IN NATURAL LANGUAGE

Host Institution Course Details

<https://dean.pku.edu.cn/service/web/courseDetailEn.php?flag=1&zxjhbh=BZ24252048...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Course Last Reviewed

2024-2025

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