

COURSE DETAIL

DATA MINING AND STATISTICAL LEARNING

Country

Hong Kong

Host Institution

Chinese University of Hong Kong

Program(s)

Chinese University of Hong Kong

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

150

UCEAP Course Suffix**UCEAP Official Title**

DATA MINING AND STATISTICAL LEARNING

UCEAP Transcript Title

DATA MINING & STATS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course covers the principles of data mining, exploratory analysis and visualization, as well as predictive modeling for complex data sets. It introduces modern tools for regression and classification for high-dimensional or ultra-high dimensional data from the perspective of statistical decision theory and makes comparison to traditional methods. The course explores statistical principles, computational issues, and hands-on data analysis on high noise, observational data.

Language(s) of Instruction

English

Host Institution Course Number

STAT4001

Host Institution Course Title

DATA MINING AND STATISTICAL LEARNING

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistics

[Print](#)