

## 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 Course Details****Host Institution Campus****Host Institution Faculty****Host Institution Degree****Host Institution Department**

Statistics

**Course Last Reviewed**

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