

COURSE DETAIL

LINEAR REGRESSION

Country

China

Host Institution

Tsinghua University

Program(s)

Tsinghua University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

106

UCEAP Course Suffix**UCEAP Official Title**

LINEAR REGRESSION

UCEAP Transcript Title

LINEAR REGRESSION

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

"Linear Regression" is a professional basic course for the undergraduates' probability and statistics in mathematics. Students are required to learn "Statistical Inference" in advance. The goal of the course is to learn how to perform simple linear regression, multiple regression analysis, regression diagnosis, goodness of fit test, data transformation, variable selection, and generalized linear model, and require correct calculation and interpretation of results, using statistical software R to obtain practical experience. At the same time, it is required to learn some basic theories in the regression.

Language(s) of Instruction

Chinese

Host Institution Course Number

40420814

Host Institution Course Title

LINEAR REGRESSION

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

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