

# 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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