

COURSE DETAIL

SURVIVAL DATA ANALYSIS

Country

Korea, South

Host Institution

Yonsei University

Program(s)

Yonsei University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Statistics

UCEAP Course Number

102

UCEAP Course Suffix**UCEAP Official Title**

SURVIVAL DATA ANALYSIS

UCEAP Transcript Title

SURVIVL DATA ANALYS

UCEAP Quarter Units

4.50

UCEAP Semester Units

3.00

Course Description

This course examines basic concepts and methods for estimating various quantities of interest in the analysis of survival data. A distinct feature of the type of data that is covered in this course is that the main response of interest, survival time, is subject to censoring, which leads to an incomplete observation. Topics include survival models, censoring and truncation, functions characterizing survival times, nonparametric estimation of survival function and other functions, comparison of survival functions for different groups, parametric and semiparametric regression models, mathematical and graphical methods for assessing goodness of fit, analysis of multivariate failure time data, competing risks analysis, cohort-sampling designs, and other advanced topics.

Language(s) of Instruction

English

Host Institution Course Number

STA3108

Host Institution Course Title

SURVIVAL DATA ANALYSIS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Statistics

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