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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Statistics

Course Last Reviewed
2023-2024

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