

BIOS5003 Categorical and Survival Data Analysis

(3 credits)

Course Coordinator: Prof Maggie Wang

Course Description

This course will provide a foundation for the practical analyses of categorical and time to event (survival) data. The course will cover the use of logistic regression models for use with binary outcomes and Cox proportional hazards regression models for time to event outcomes. Practical application of these models will be emphasized and model building and the checking of model assumptions will be covered in detail.

Learning Outcomes/Objectives

1. Understand the concepts, assumptions and logic involved in statistical methods commonly used in medical research including categorical data analysis and time-to-event data analysis.
2. Develop appropriate statistical models for the data and correctly interpret the results.

Course Schedule

Session	Date	Time	Venue
1	Mar 23, 2017 (Thu)	6:30 – 9:30 pm	School of Public Health Prince of Wales of Hospital And CUHK campus, Shatin, N.T., Hong Kong
2	Mar 30, 2017 (Thu)	6:30 – 9:30 pm	
3	Apr 6, 2017 (Thu)	6:30 – 9:30 pm	
4	Apr 13, 2017 (Thu)	6:30 – 9:30 pm	
5	Apr 20, 2017 (Thu)	6:30 – 9:30 pm	
6	Apr 27, 2017 (Thu)	6:30 – 9:30 pm	
7	May 4, 2017 (Thu)	6:30 – 9:30 pm	
8	May 11, 2017 (Thu)	6:30 – 9:30 pm	
9	May 18, 2017 (Thu)	6:30 – 9:30 pm	
10	May 25, 2017 (Thu)	6:30 – 9:30 pm	
11	Jun 1, 2017 (Thu)	6:30 – 9:30 pm	
12	Jun 8, 2017 (Thu)	6:30 – 9:30 pm	
13	Jun 15, 2017 (Thu)	6:30 – 8:30 pm	

Fee

Application Fee: \$100

Course Fee: \$13,200