

BIOS5003 Categorical and Survival Data Analysis

(3 credits)

Course Coordinator: Prof. William Goggins

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	Jan 7, 2019 (Mon)	6:30 – 9:30 pm	School of Public Health Prince of Wales of Hospital And CUHK campus, Shatin, N.T., Hong Kong
2	Jan 14, 2019 (Mon)	6:30 – 9:30 pm	
3	Jan 21, 2019 (Mon)	6:30 – 9:30 pm	
4	Jan 28, 2019 (Mon)	6:30 – 9:30 pm	
5	Feb 11, 2019 (Mon)	6:30 – 9:30 pm	
6	Feb 18, 2019 (Mon)	6:30 – 9:30 pm	
7	Feb 25, 2019 (Mon)	6:30 – 9:30 pm	
8	Mar 4, 2019 (Mon)	6:30 – 9:30 pm	
9	Mar 11, 2019 (Mon)	6:30 – 9:30 pm	
10	Mar 18, 2019 (Mon)	6:30 – 9:30 pm	
11	Mar 25, 2019 (Mon)	6:30 – 9:30 pm	
12	Apr 1, 2019 (Mon)	6:30 – 9:30 pm	
13	Apr 15, 2019 (Mon)	6:30 – 8:30 pm	

Fee

Application Fee: \$100

Course Fee: \$14,100