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DEPARTMENT OF STATISTICS AND ACTUARIAL SCIENCE
THE UNIVERSITY OF HONG KONG

Seminar

Dr. CHAN Kwun Chuen Gary

*Department of Biostatistics and Department of Health Services
University of Washington
U.S.A.*

will give a talk

entitled

**BACKWARD ESTIMATION OF
MEDICAL COST IN THE PRESENCE OF
A FAILURE EVENT**

Abstract

Medical cost process often exhibits a sudden increase before the death of an individual. Traditional models for stochastic processes count time forward from an initial event and such models typically cannot account for the sudden increase in medical cost before death. In this talk, I will present a novel concept of backward cost process for studying end-of-life cost. This approach considers failure event to be the time origin for the medical cost process and counts time backward. Nonparametric and semiparametric estimation of backward cost processes will be discussed in the presence of incomplete follow-up. The methods are used to study end-of-life cost of ovarian cancer patients in SEER-Medicare linked data, which is a combination of incident and prevalent cohort data.

on

Thursday, December 11, 2008

11:00 a.m. – 12:00 noon

at

**Room 524, Meng Wah Complex
(behind the Chong Yuet Ming Amenities Centre)**

Visitors Please Note that the University has limited parking space. If you are driving please call the Department at 2859 2466 for parking arrangement.

All interested are welcome