

GRADUATE SEMINAR

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Cox regression model with time-varying covariates and its application

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Friday June 26

2:00 pm

CW 307.20 (math lounge)

Abstract:

The Cox regression model is a cornerstone of modern survival analysis and has been widely used in many fields. This essay introduces the basic Cox regression model and the model with time-varying covariates. We use Stanford heart transplant data as an example, access basic model and the model with time-varying covariates by SPSS. Results from two models are totally different. This conclusion shows that time-varying covariates have a strong effect on Cox regression model. Results will mislead us if we ignore that the covariates change their values over time.