

# 國立臺北大學統計學系

## 專題演講

講題： Estimating Equations and Inference: Perspective from Sample Surveys

主講人： Eric Slud, Professor (Mathematics Department University of Maryland and  
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時間： 107 年 6 月 20 日 (星期三, 13:10~15:00)

地點： 三峽校區商學院 3F13 教室

### Abstract

In this talk, I will give an overview of the role of Estimating Equations within current mathematical statistics research, highlighting areas where Estimating Equations have seen dramatic recent progress as well as areas with special interest for Sample Surveys. Estimating equations help clarify differences between Model-assisted (Design-based) inferences in surveys from those in mainstream statistics. Partially model-based inferences in surveys with missing data (which means, nearly all surveys) have led to notions of "double robustness" and "augmented inverse probability weighted" estimating equations, as described in the book of Tsiatis (2009). Inference for household surveys poses new problems related to the timing of covariate observations and new semiparametric research questions.

~歡迎參加~

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