El Departamento Académico de Estadística del ITAM

anuncia la siguiente sesión (No. 230) de

EL SEMINARIO ALEATORIO

que, con el título

Small Area Estimation of Poverty Indicators in Mexico: Recent Methodologies and Current Developments

Impartirá

Nikos Tzavidis
Southampton Statistical Sciences Research Institute
University of Southampton, UK

Abstract

Over the last decade poverty mapping methodologies have been developed independently by econometricians and statisticians working in small area estimation. Small area estimation of key economic variables, including poverty, has also been at the centre of methodological and applied work in official statistics. This is partially demonstrated by the fact that the European Commission, via the 7th Framework, has recently funded two major research projects (SAMPLE and AMELI) that aimed at developing novel methodologies for estimating indicators at the small area level.

In this talk I will present small area methodologies that have recently been used for estimating poverty indicators at the level of municipality in Mexico. In particular, I will discuss (a) the industry standard World Bank approach (Elbers et al. 2003), (b) the Empirical Best Prediction approach -EBP (Molina & Rao 2009) and (c) the M-quantile approach (Chambers & Tzavidis 2006; Marchetti et al. 2011). All aforementioned methods estimate poverty implicitly by modelling income or consumption. An alternative approach is to use generalised linear random effects models for modelling poverty explicitly. The different methods will be empirically assessed using Monte-Carlo simulations with the focus being both on assessing properties of point and MSE estimators.

I will conclude the talk by outlining methodological extensions that include outlier robust models for poverty estimation and multinomial generalised linear random effects models.

Fecha: Viernes 4 de Noviembre de 2011
Hora: 12:00 hrs.
Salón: Salón B-1, Plantel Río Hondo

Lista de seminarios próximos. Visite:

http://estadistica.itam.mx/seminarios.html

El Seminario Aleatorio está destinado tanto a profesores como a estudiantes, por lo que el Departamento de Estadística agradece a los profesores que colaboren invitando a sus alumnos a estas sesiones.

María F. Rojano Agraz
ITAM
Depto. Académico de Estadística
Rio Hondo # 1,
Col. Tizapán San Angel
C.P. 01000 México, D. F.
Tel. 5628-4000 ext. 3803
Fax 5628-4086
E-mail: mrojano@itam.mx