



El Departamento de Estadística del ITAM

anuncia la siguiente sesión de

EL SEMINARIO ALEATORIO

que con el título

Estimation of stochastic diffusion models with stochastic volatility

Impartirá

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RESUMEN

Several Markov Chain Monte Carlo (MCMC) methods have been proposed in the literature to estimate stochastic diffusion models with stochastic volatility. Most of the methods either cannot deal with the leverage effects or require intensive computation. In this paper, we investigate the difficulty of estimating the leverage effect and propose a method that is efficient and can estimate the leverage effect. The proposed method is a combination of those of Kim, Shephard, and Chib (1998) and Jacquier, Polson and Rossi (2002), but makes use of the technique of forward filtering and backward sampling to improve computing efficiency and nonlinear filters to estimate leverage effects. Real and simulated data are used to demonstrate the proposed method and to compare with the existing methods.

Fecha: Viernes 20 de Agosto

Hora: 12:50 hrs.

Salón: Sala de Videos II - 2º. Piso Biblioteca

Lista de seminarios próximos. Visite:

http://estadistica.itam.mx/seminarios_prox.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

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