ITAM — Departamento Académico de Estadística

El Departamento de Estadística del ITAM

anuncia la siguiente sesión de

EL SEMINARIO ALEATORIO

que con el título

Estimating Trends With Percentage of Smoothness Chosen by the User

Impartirá

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RESUMEN

This work presents a method for estimating trends of economic time series that allows the user to fix at the outset the desired percentage of smoothness for the trend. The calculations are based on the Hodrick and Prescott filter usually employed in business cycle analysis. The situation considered here is not related to that kind of analysis, but with describing the dynamic behavior of the series by way of a smooth curve. To apply the filter, the user requires to specify a smoothing constant that determines the dynamic behavior of the trend. A new method that formalizes the concept of trend smoothness is proposed here to choose that constant. Smoothness of the trend is measured in percentage terms with the aid of an index related to the underlying statistical model of the filter. Some empirical illustrations are provided using data on the Mexican economy with different frequencies of observation.

Fecha: Viernes 22 de Abril
Hora: 12:50 hrs.
Salón: Sala de Videos II - 2º. Piso Biblioteca

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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.

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