El Departamento de estadística del ITAM

anuncia la siguiente sesión de

EL SEMINARIO ALEATORIO

que con el título

A SIMPLE TEST FOR NORMALITY FOR TIME SERIES

Conferencia Bimensual AME
(Seminario dictado en español)

impartirá

Dr. Ignacio N. Lobato[1] **(Exponente)** and Carlos Velasco[2]
[1]Centro de Investigación Económica, ITAM
[2]Departamento de Econometría y estadística,
Universidad Carlos III de Madrid

ABSTRACT

This paper considers testing for normality for time series data. In econometrics the typical testing procedure employs the Jarque-Bera test statistic which has an asymptotic chi-square distribution when the considered series is uncorrelated. However, with time series data it often happens that the model is not correctly specified (so, the residual series may exhibit serial correlation), and in other cases, the researcher might not be interested in modeling the serial correlation at all. In these cases the Jarque-Bera test is invalid because it does not take the serial correlation into account. In this paper we propose a simple nonparametric modification of the Jarque-Bera test that is robust to the presence of serial correlation of a general form. Besides its simplicity, the remarkable feature of our test is that it does not require the selection of any user-chosen parameter such as a smoothing number of the order of an approximating model.

Fecha: Viernes 7 de diciembre
Hora: 12:30
Salón: 101 Ro Hondo

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.