El Departamento de Estadística del ITAM

anuncia la siguiente sesión de

EL SEMINARIO ALEATORIO

que con el título

EVENT HISTORY ANALYSIS
AND IGNORABLE SAMPLING

impartirá

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Abstract

A considerable amount of event history analysis data is collected through longitudinal panel, or cohort studies. The goal is to understand the different events that individuals experience over time. Examples of such events include marriage, divorce, fertility, unemployment, etc. This information is referred to as the history process of the individual. Event history analysis deals with the modelling and the analysis of such processes. Note that survival analysis is both a special case and a cornerstone of event history analysis. However, longitudinal studies generally involve the use of complex survey designs such as clustering and stratification. These features of complex surveys complicate the statistical analysis and will be the topic of this talk. In particular we explore the case of ignorable sampling designs. With such designs it is possible to simplify the statistical inference by carrying unweighted analyses. However, dependence between observations introduced by clustering and other sampling techniques must be taken into account when computing variance estimates of event history quantities. This is achieved by using the theory of estimating equations.

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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.