

MOHD RIZAM ABU BAKAR
Ph.D. (University of Bradford)

Assoc. Prof. Dr.
Department of Mathematics
Faculty of Science
Tel: 03 89466824
Fax: 03 89437958
mrizam@upm.edu.my



EXPERTISE

Assoc. Prof. Dr. Mohd Rizam Abu Bakar, obtained his PhD in Applied Statistics (“Multivariate Survival Analysis for Split Populations with Application to Patterns of Domestic Violence”) from University of Bradford, United Kingdom. His research interest includes: Survival data analysis, data envelopment analysis and epidemic modelling. Currently he is an associate professor in the Department of Mathematics at Universiti Putra Malaysia (UPM). He is also an associate researcher of Institute for Mathematical Researches (INSPEM), UPM. Recently is head of the programme of Survival Analysis in Computational Statistics and Operations Research Laboratory of INSPEM.

Current Research Interest

Survival analysis models typically assume that everybody in the study population is susceptible to the event under study and will eventually experience this event with sufficient follow-up. However, there are situations when a group of individuals are not expected to experience the event of interest; that is, those individuals are cured or insusceptible. For example, researchers may be interested in analyzing the recurrence of a disease. Many individuals may never experience a recurrence; therefore, a cured fraction of the population exists.

Data Envelopment Analysis (DEA) is an increasingly popular management tool. It is used to empirically measure pro-ductive efficiency of decision (or DMUs). Non-parametric approaches have the benefit of not assuming a particular functional form/shape for the frontier; however they do not provide a general relationship (equation) relating output and input. There are also parametric approaches in which requires that the shape of the frontier be guessed before-hand by specifying a particular function relating output to input.

LINK TO POSTGRADUATE FIELD OF STUDY:
Statistics, Applied and Computational Statistics

ADDITIONAL INFORMATION: