

WORKSHOP REGRESSION MODELS

Date : 3rd-4th November 2015

Time : 8.30 am - 5.00 pm

**Venue : SPM Computer Lab
Department of Social &
Preventive Medicine
Level 5, Block J
Faculty of Medicine
University of Malaya
50603 Kuala Lumpur**

FEES

UM Student (RM400)

UM Staff (RM450)

Others (RM500)

**Please RSVP via email by
28th October 2015**

ABOUT THE SPEAKER



Assoc. Prof. Dr. Karuthan Chinna is an Associate Professor at the Department of Social and Preventive Medicine, Faculty of Medicine, University of Malaya. He has a Master Degree in Applied Statistics from the Michigan State University, USA and a PhD in Multivariate Quality Control from the Multimedia University, Cyberjaya.

He has been teaching statistics for the last 31 years and also very active in research and consulting. He has authored and co-authored many national and international peer reviewed journal articles and has presented many papers at national and international conferences. He has published two books; one on Biostatistics and the other on SPSS. He has been a statistical consultant for several projects at the Ministry of Health and other institutions. His areas of interest include :- Multivariate Data Analysis, Structural Equation Modelling, Meta Analysis, Statistical Process Control, Resampling Techniques and Biostatistics.

ORGANISED BY

Julius Centre University of Malaya (JCUM)
Department of Social and Preventive Medicine, Faculty
of Medicine,
University of Malaya
50603 Kuala Lumpur, Malaysia

Contact Person

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WORKSHOP

This workshop focuses on regression models –a time-honored technique that is used to explore the relationships between variables. The commonly used model is the linear regression model, which is useful for predicting a continuous outcome variable. However, there are situations where the outcome variable is not a continuous measurement but is a count, or measured on a nominal or ordinal scale. In such cases the linear regression model cannot be used. Depending on how the outcome variable is measured, either the Poisson, logistic or ordinal regression models are more appropriate.

Topics :-

- ◇ Regression Analysis Technique
- ◇ Linear Regression Analysis
- ◇ Stepwise Regression Analysis
- ◇ Poisson Regression Analysis
- ◇ Logistic Regression Analysis
- ◇ Ordinal Regression Analysis

After the workshop, participants will appreciate the basis of :

- Measurement Scales
- Developing Models
- Writing Equations
- Diagnostic Analysis
- Making Predictions

WHO SHOULD ATTEND

Students, researchers, healthcare professionals and faculty in the health and social sciences who are interested in developing and applying statistical modelling in their work. Participants will be expected to have introductory knowledge of hypothesis testing, correlation coefficients, and simple bivariate regression.

KINDLY REGISTER at

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