

First Announcement



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Clinical Research Unit, HPUPM presents

Webinar on

MULTIVARIABLE STATISTICS & STATISTICAL TEST ASSUMPTIONS



 **July 28th, 2022 (Thursday)**

 **8.15 am – 5.00 pm**



Registration Fees

RM50

FOR UPM STAFF / STUDENT &
FOR NON-UPM STUDENT

RM100

FOR NON-UPM STAFF



ASSOC. PROF. DR. KARUTHAN A/L CHINNA

BSc. (Education), MSc. (Applied Stats), PhD (Management)

UCSI University

Method: Bank Transfer (EFT / CDM)
Beneficiary Name: Hospital Pengajar UPM
Bank Name: Bank Islam Malaysia Berhad
Account Number : 14014010156683
Payment Reference: 'MultiStats2022'

For any inquiries, please contact:

Dr. Nur Aazifah Ilham | 03-9769 9761 | aazifah@upm.edu.my

Ms. Faridzatul Syuhada Abdul Rashid | 03-9769 9763 | faridzatul@upm.edu.my



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Tentative Program

Time	Title	Speaker
MULTIVARIABLE STATISTICS		
0815-0830	Introductory speech	CBH
0830-0900	General Linear Model (GLM)	KC
0900-0930	Generalized Estimating Equation (GEE)	
0930-1000	Mixed model (MM)/Generalized Linear Mixed Model (GLMM)	
1000-1030	Structural Equation Modeling (SEM)	
1030-1100	Rest / Q&A	
1100-1230	Interactive session with working examples from analysis with GLM, GEE, MM, GLMM and SEM	KC
CHECKING STATISTICAL ASSUMPTIONS		
1230-1300	Introduction of statistical test assumption: What it is and why need to be checked?	NAI
1300-1400	Lunch	
How to assess for statistical assumptions? What are the corrective measures if the statistical assumption not fulfilled?		
1400-1445	Parametric Tests: T-test, Pearson Correlation Non-parametric tests: Spearman Correlation, Chi-Square, Wilcoxon Rank sum Test, Mann-Whitney U Test	KC
1445-1530	Multivariable linear and logistic regressions, Poisson regression and Survival analysis statistical test assumptions	
1530-1615	Generalized linear model and Random/Mixed effect model statistical test assumptions	
1615-1700	Q&A	KC
	Summary	CBH

KC: Assoc. Prof. Dr. Karuthan A/L Chinna

CBH: Assoc. Prof. Dr. Chew Boon How

NAI: Dr. Nur Aazifah Ilham

Note: The Organiser reserves the right to cancel or change the topic or trainer of the program, if for whatever reasons beyond its control.



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