



## **Two Days Workshop on SPSS for Non-Statisticians: A Hands-on Approach 04 AND 05 APRIL 2015**

## **Two Days Workshop on STRUCTURAL EQUATION MODELING (SEM): A Hands-on Approach Smart-AMOS 18 AND 19 APRIL 2015**

**WISMA R&D, University of Malaya  
Time: 8.30am to 5.30pm**

### **FACILITATOR'S PROFILE**

Professor T. Ramayah is currently attached to the Operations Management section at the School of Management, Universiti Sains Malaysia. He has taught courses in Statistics, Operations Management, Research Methods, Forecasting and Computer Literacy at undergraduate level. He is a trained Structural Equation Modeling (SEM) having been trained by Professor Joseph Hair (Kennesaw State University), Professor David Kenny (University of Connecticut), Professor Gregory Hancock (University of Maryland), Professor Everarda Cunningham (Queensland University of Technology) and Professor Christian Ringle (University of Hamburg). He has also presented numerous papers at local and international conferences having won 5 "Best Papers" award.

His publications which exceed 300 have appeared in Journal of Environmental Management, Technovation, Journal of Business Ethics, Journal of Business Economics and Management, Computers in Human Behavior, Resources, Conservation and Recycling, International Journal of Information Technology & Decision Making (IJITDM), International Journal of Information Management, Lecture Notes in Computer Science, Turkish Online Journal of Education Technology, Information Development, Journal of Project Management (JoPM), International Journal of Services and Operations Management (IJSOM), Engineering, Construction and Architectural Management (ECAM) and North American Journal of Psychology among others. He also serves on the editorial boards and program committee of several international journals and conferences of repute. His full profile can be accessed from <http://www.ramayah.com>



# Two Days Workshop on SPSS for Non-Statisticians: A Hands-on Approach 04 AND 05 APRIL 2015

## Course Description:

This is a two-day workshop on introductory data analysis workshop which will introduce the statistical techniques that are available for researchers. This workshop will help postgraduate students/new researchers on how to do basic analysis using SPSS. Guidelines on selecting the right techniques for what level of data will also be discussed. This workshop will use practical hands on approach with real research data sets with research questions that can be answered using the data available. Some useful tips on how and where to get published will be given.

<b>Outline of the Workshop</b>	
<b>Day One</b>	<b>Day Two</b>
<ol style="list-style-type: none"> <li>1. Introduction to SPSS and Data Entry</li> <li>2. Understanding Data and Creating Data Set</li> <li>3. Goodness of Data               <ul style="list-style-type: none"> <li>• Factor analysis</li> <li>• Reliability Analysis</li> </ul> </li> <li>4. Managing and Creating New Variables               <ul style="list-style-type: none"> <li>• Recode</li> <li>• Compute</li> </ul> </li> <li>5. Descriptive and Normality Test</li> </ol>	<ol style="list-style-type: none"> <li>6. Hypotheses Testing: Test of Differences               <ul style="list-style-type: none"> <li>• 1 sample test</li> <li>• 2 sample test</li> <li>• More than 2 samples test</li> </ul> </li> <li>7. Introduction to Bivariate Relationship tests               <ul style="list-style-type: none"> <li>• Correlation</li> <li>• Simple linear regression</li> <li>• Assumptions for the tests</li> </ul> </li> <li>8. Introduction to Multivariate Relationship tests               <ul style="list-style-type: none"> <li>• Multiple regression</li> <li>• Multiple regression with control variables</li> <li>• Moderated regression</li> <li>• Mediated regression</li> </ul> </li> </ol>

<b>Main Aims</b>	<b>Target Audience</b>
<ul style="list-style-type: none"> <li>• To assist postgraduate students in producing appropriate analysis for their research theses</li> <li>• To assist new lecturers in producing research papers with higher level analysis.</li> </ul>	<ul style="list-style-type: none"> <li>• Lecturers and Postgraduate students in the Institutions of Higher learning.</li> <li>• Aspiring researchers who have intention to embark on empirical research.</li> </ul>

# Two Days Workshop on STRUCTURAL EQUATION MODELING (SEM): A Hands-on Approach Smart-AMOS 18 AND 19 APRIL 2015

## Course Description:

This is a 2-day workshop that will introduce the use of structural equation modeling (SEM is a family of statistical models that seek to explain the relationships among multiple variables) which is the most popular analysis software at the moment. This workshop will help post-graduate students/new researchers on how to do basic analysis using the AMOS software and how to present them professionally. This workshop will use practical hands on approach with real research data sets with research questions that can be answered using the data available. Some useful tips on how and where to get published will be given.

### COURSE OUTLINE

1. Basics of SEM
2. Formative vs Reflective Measurement
3. Second Order Factors
4. Measurement Model Evaluation
  - a. Convergent validity – three approaches:
  - b. Factor loadings.
  - c. Variance extracted.
  - d. Reliability.
  - e. Discriminant validity
  - f. Cross Loadings
5. Structural Model analysis & evaluation
6. Moderating Effect Analysis
7. Mediating Effect Analysis

### Main Aims

- To assist postgraduate students in producing appropriate analysis for their research theses
- To assist new lecturers in producing research papers with higher level analysis.

### Target Audience

- Lecturers and Postgraduate students in the Institutions of Higher learning.
- Aspiring researchers who have intention to embark on empirical research.

Delegates	SPSS for Non-Statisticians	STRUCTURAL EQUATION MODELING (SEM)	10 % Discount on registration both the course
Students	RM400	RM450	RM765
Others	RM450	RM500	RM855

### PRICE INCLUDES ·

- Course attendance ·
- Full refreshments: lunch, two tea breaks ·
- Course lecture notes and training manual ·
- Certificate of attendance

# Registration Form

Tick the course you like to register	<b>Courses</b>
	<b>SPSS for Non-Statisticians</b>
	<b>STRUCTURAL EQUATION MODELING (SEM)</b>

## PARTICIPANT DETAILS

No	Name	Designation	Contact	Email

## COMPANY DETAILS

Company / Organization Name : \_\_\_\_\_

Address : \_\_\_\_\_

## CONTACT PERSON DETAILS

Name : \_\_\_\_\_

Designation : \_\_\_\_\_ Tel No : \_\_\_\_\_ Fax No : \_\_\_\_\_

Email : \_\_\_\_\_

## PAYMENT METHOD & CONTACT PERSON DETAILS (For Billing Purpose) (Please tick where applicable)

### For Local Participants, you can pay via:

Telegraphic Transfer      Purchase Order/ Local Order

Invoice, please send us an invoice with the details below :

Name : \_\_\_\_\_

Designation : \_\_\_\_\_ Tel No : \_\_\_\_\_

Fax No : \_\_\_\_\_ Email : \_\_\_\_\_

Billing Address: \_\_\_\_\_

### Pay to:

Beneficiary name:	BENDAHARI UNIVERSITI MALAYA
Bank Name:	CIMB Bank Berhad
Bank Branch:	Universiti Malaya
Bank Address:	CIMB Bank Berhad, Universiti Malaya, Lot 5270, Bangunan Pentadbiran Baru, Universiti Malaya, 50603 Kuala Lumpur, MALAYSIA
Account Number:	8001279998
SWIFT Code:	CIBBMYKL

**Note:** All payments made by Bank transfers have to be net of all bank charges. Please note that all bank charges must be fully covered by the participants. Full payment is required before the conference. Only those participants whose fees have been paid in full will be allowed to participate.

### Cancellation & Refund Policy

If any registered participant cannot attend the workshop, substitutions/replacements are welcome at any time. Replacement should be notified in writing to the workshop secretariat.

For any cancellation within 21 days prior to the programme date, only 50% of the registration fee will be refunded. There will be no refunds for any cancellations within 14 days of the start of conference .

**To register, please email this form with a copy of your proof of payment by 18 MARCH 2015 to:**

### University of Malaya Malaysian Centre of Regulatory Studies (UMCoRS)

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