

## About RIMC Research Capacity Enhancement Workshops

Welcome to the Research Capacity Enhancement Workshop Series conducted by RIMC, UNIMAS.

This Workshop Series is meant for early junior researchers and academics who are at the early stage of their careers. In this workshop series, participants will be exposed to the successful ways to write research grants, learn various research methodologies, analyse data with the aid of computers and prepare system-generated quality reports and presentations. Above all, participants are able to network with other fellow researchers, unite with colleagues from other fields and share experiences.

## Workshop Details

Date: 23<sup>rd</sup> April 2014  
Time: 9:00am – 4.30pm  
Venue: General 2 Lab, Blok B,  
Level LG Bangunan  
FSKTM

### Programme Schedule:

8.45am: Registration  
9.00am -10.30am: Session 1  
11.00am -11.30am: Brunch  
11.30am -1.00pm: Continue of  
Session 1  
1.00pm -2.00pm: Break  
2.00pm -4.30pm: Session 2

To register, please contact Puan Zarina bt Mustapha by e-mail ([mzarina@rimc.unimas.my](mailto:mzarina@rimc.unimas.my)) or by telephone (1151).

This workshop is limited to 40 participants and is open to academic staff only.

## ~RIMC Workshop Series~

### Essentials Of Inferential Statistical Analyses In Social Sciences Using SPSS

Date: 23<sup>rd</sup> April 2014  
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### Jointly Organized by:



Research and Innovation  
Management Centre (RIMC)

# ESSENTIALS OF INFERENTIAL STATISTICAL ANALYSES IN SOCIAL SCIENCES USING SPSS

This workshop aims to provide participants with knowledge and skills on some common inferential statistics tests in the Social Sciences research and to implement the tests with the aid of the Statistical Packages for Social Sciences (SPSS). Among the parametric statistical tests covered include independent t-test, dependent t-test, One-Way ANOVA, Repeated Measures ANOVA. The non-parametric statistical tests covered include Mann-Whitney U, Wilcoxon Signed Rank, Kruskal Wallis, Friedman. The workshop will also discuss the concept of statistical significance and practical significance (effect sizes) in reporting of results in academic publications. This workshop does not deal with the mathematical aspects of the tests and focusses on the appropriateness of using a particular test, implementing the test using SPSS and preparing the report of the results. It is expected that the participants have some working knowledge of SPSS in terms of preparing a data file.

## About the Facilitator



Dr Hong Kian Sam is a Professor of Learning Sciences at the Faculty of Cognitive Sciences and Human Development, Universiti Malaysia Sarawak. He has a Bachelor of Science (First Class Honours) and Master of Education from Universiti Sains Malaysia. His PhD in Education was awarded by University of Otago, New Zealand and was completed under the University of Otago's 125th Jubilee Scholarship. Prior to his academic position in UNIMAS, he was attached to the Regional Centre for Science, Mathematics, and Technology Education (SEAMEO RECSAM) and was a secondary school teacher. Dr Hong is active in postgraduate supervision and also serves as external examiners for Master and PhD theses locally and internationally. He is also involved in research projects funded by the Ministry of Higher Education, Ministry of Education, and Ministry of Science and Technology. Dr Hong has published widely in international journals such as the Internet and Higher Education, Australasian Journal of Educational Technology, Educational Technology and Society, Journal of Research on Technology in Education, International Journal of Mathematical Education in Science and Technology, Asia Pacific Education Researcher, and Science Education International. He also serves as editorial board member and reviewer for

international journals such as International Journal of Education and Development using ICT, Australasian Journal of Educational Technology, Educational Technology and Society, Research & Practice in Technology Enhanced Education, and Ministry of Science and Technology. Dr Hong has published widely in international journals such as the Internet and Higher Education, Australasian Journal of Educational Technology, Educational Technology and Society, Journal of Research on Technology in Education, International Journal of Mathematical Education in Science and Technology, Asia Pacific Education Researcher, and Science Education International. He also serves as editorial board member and reviewer for international journals such as International Journal of Education and Development using ICT, Australasian Journal of Educational Technology, Educational Technology and Society, Research & Practice in Technology Enhanced Learning, Journal of Higher Education Policy, Journal of Online Learning and Teaching, Educational Research and Reviews, Journal of Professional Issues in Engineering Education and Practice, Asia Pacific Education Review, Asia Pacific Educational Researcher, and International Journal of Engineering Education. He also serves as program committee members for a number of international conferences such as eLearn, icce, ascilite, CSCL, IeLC, ICeL and iUSER.