

Institute of Mathematics and Management Australia

WORKSHOP IN APPLIED STATISTICS & RESEARCH METHODS

Basic Statistics, Correlation & Regression

In-Person & Online

Venue: Mantra Parramatta, 1-3 Valentine Avenue Parramatta, NSW 2150

Workshop Dates: 15th & 16th January 2024

Introduction

Researchers across the world face numerous difficulties in conducting studies due to lack of knowledge in 'Statistics and Research Methods'. It is a hindrance for producing quality publications and research theses. This workshop is designed to develop essential skills related to the fields of: Biological & Physical Sciences; Medicine & Healthcare; Economics & Social Sciences, Management and more.

Who would benefit: Postgraduate students, Academicians and Researchers

Medium of Instructions: English

Duration: 2 Days

Registration Fee: Online - AUD 300

In - Person - AUD 800

Mode of Conduct: In-Person & Online (Zoom)

Registration includes: A certificate of participation, Video of the workshop and Teaching materials

Workshop Outline Day -1

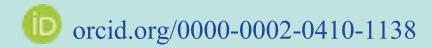
Date	Time	Topic	Туре
15 January (Monday)	09:00 -11:30	 Types of Random Variables and Measurement Scales Census vs. Sampling Descriptive vs. Inferential Statistics 	Theory
	12:00 -14:00	 Introduction to MINITAB and SPSS Data Visualization 	Practical
	14:30 -17:00	 Introduction to Correlation and Regression Pearson's and Spearman's Correlation Analysis 	Theory

Workshop Outline Day - 2

Date	Time	Topic	Туре
16 January (Tuesday)	09:00 -11:30	 Types of Regression Models: Simple Regression Multiple Regression Logistic Regression Vector Auto Regression Regression analysis with and without interactions 	Theory
	12:00 -14:00	Correlation and Regression by MINITAB and SPSS	Practical
	14:30 -17:00	 Hypotheses testing in Correlation and Regression (T-test, ANOVA, Log - Liklihood test) Interpretation of outputs and report writing in Correlation and Regression 	Theory and Practical

Resource Persons:

Dr. (Mrs.) W. G. Samanthi Konarasinghe (PhD, MSc, MBA, PG Dip, BSc, MASA, MSSA, MIASSL)



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