



# FORTUNE INSTITUTE OF INTERNATIONAL BUSINESS



## FDP on Research Methodology and Data Analysis using SPSS

13<sup>th</sup> May, 2017



## ABOUT THIS WORKSHOP

This workshop is intended to equip participants with basic & advance data analysis skills using SPSS to produce best quality research and contribute to evidence based policies and practices. The main focus of the training will be on identifying the right statistical tools and techniques for different research objectives and carrying out data analysis using SPSS. The participants will learn how to make the data ready for analysis, data entry, cleaning and analysis in SPSS. Also the workshop will enable learning how to interpret and report findings/results. Complete hands-on training methodology will be used targeting on 'do how' rather than only 'know how'.

## KEY HIGHLIGHTS

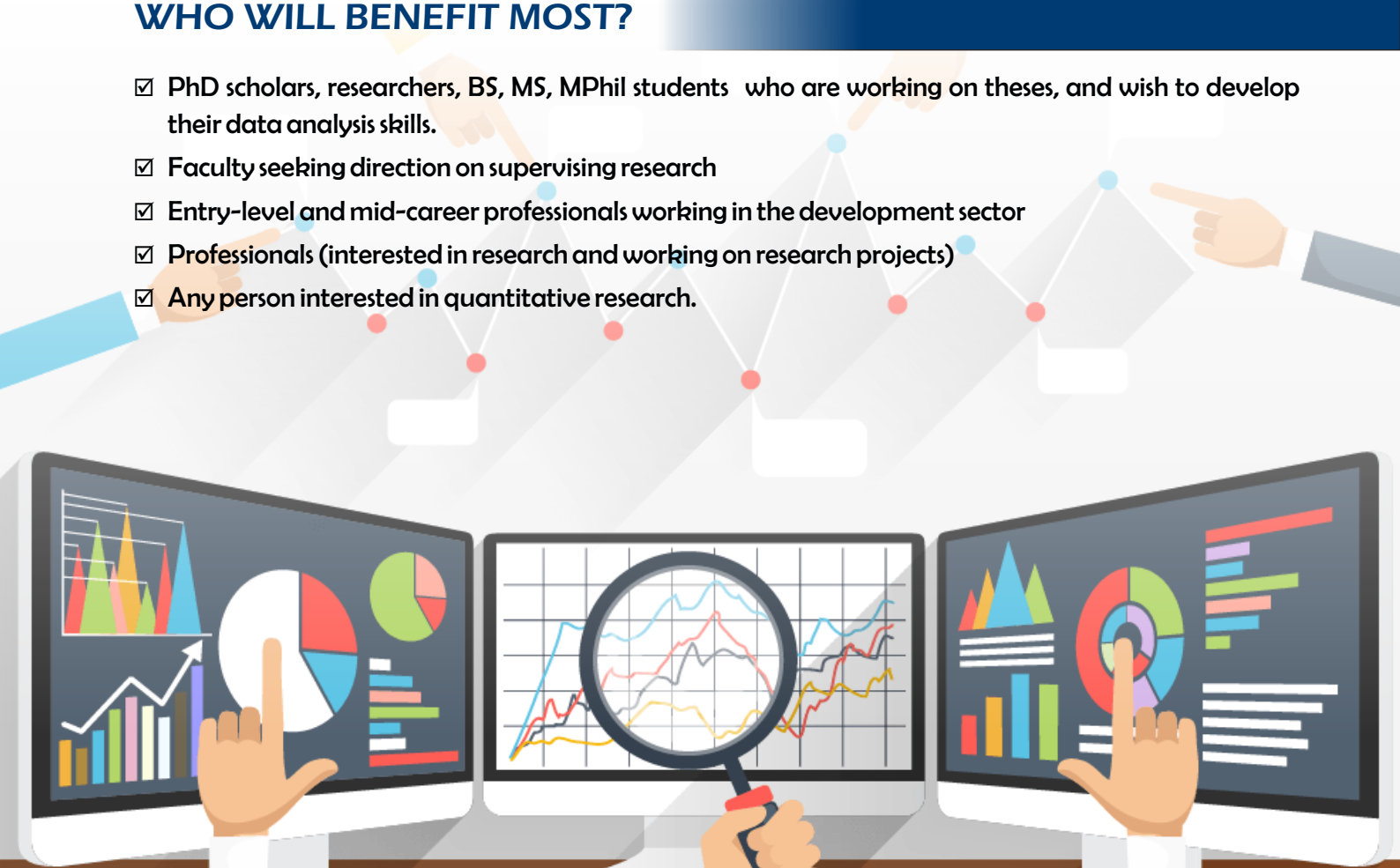
- ☑ To provide the platform for discussion on the statistical requirements of research
- ☑ To train and inculcate the skills for Data Analytics using SPSS
- ☑ Hands on practical sessions on data handling, analysis & deriving preliminary results
- ☑ Practical sessions with suitable illustrations and demonstrations
- ☑ Discussion on the interpretations of results and presentation
- ☑ To illustrate the advanced applications of SEM using AMOS software using hands on lab sessions with valid data sets

## LEARNING OUTCOMES

- ☑ Choose the right statistical technique for different research questions
- ☑ Analyze data using basic and advance statistical techniques in SPSS
- ☑ Interpret SPSS output tables and report findings for publishing

## WHO WILL BENEFIT MOST?

- ☑ PhD scholars, researchers, BS, MS, MPhil students who are working on theses, and wish to develop their data analysis skills.
- ☑ Faculty seeking direction on supervising research
- ☑ Entry-level and mid-career professionals working in the development sector
- ☑ Professionals (interested in research and working on research projects)
- ☑ Any person interested in quantitative research.



# WORKSHOP CONTENTS

- ☑ Introduction to SPSS
- ☑ Review of basic concepts: Data types, Study designs, Research questions
- ☑ Data entry, editing, transformation and cleaning in SPSS
- ☑ Using descriptive statistics & charts to summarize data in SPSS
- ☑ Data Analysis, interpretation and reporting of findings for Chi square tests, t-tests, ANOVA, Correlation & Regression
- ☑ Path analysis using Amos, Moderation and Mediation Analysis



## TOPIC

## SESSIONS

Introduction to workshop	Introduction What is SPSS? What SPSS can do and what it cannot?
Review of research methodology	Review of study designs & data types
Data Entry in SPSS	Preparing data for SPSS Data entry in SPSS
Data Management in SPSS	Data transformation, cleaning and editing
Descriptive statistics	Descriptive statistics: mean, median, mode, SD, IQR, Frequencies and percentages
Data presentation	Using charts to summarize results

## TOPIC

## SESSIONS

Choosing the right statistic	Deciding which test to choose for different research questions
Analyzing categorical data	Chi square statistics: Chi Square test of independence Chi Square test for Goodness of fit
Analyzing continuous data	Assessing the assumptions for parametric tests (normality of Data)
Analyzing difference between groups (for scalar data)	Independent sample t-test, Paired sample t-test, One sample t-test

## TOPIC

## SESSIONS

Analyzing difference for more than two groups	One way ANOVA with post hoc tests
Correlation	Correlation
Regression analysis	Linear regression
Using AMOS for Analysis	Path Analysis Moderation and Mediation Analysis

## RESOURCE PERSON



**Dr Sharad Chaturvedi**, Gold Medallist in MBA, is a specialist in Lean & Six Sigma and Operations Management. He is certified Lean Six Sigma Master Black Belt and certified ISO 9000 QMS Lead Auditor with hands-on experience of more than 24 years in various industries in India, Middle East and South East Asia in the field of Operations, Quality and Change Management. He has worked with Hindustan Zinc Ltd, Udaipur (A group company of Vedanta), MAM, Saudi Arabia and Kirby, Kuwait & SEA. He has also worked as an Adjunct faculty at Sharda University, Greater Noida in Operations area.



**Prof. Monica**, has over 12 years of experience in corporate and academics and has served in organizations of repute in India and Australia. She has deep interest in conducting training programs in Research Methodology, Analysis Techniques, Spreadsheet Modelling and Business Analytics.



**Prof. Nitin Sachdeva**, comes with a rich corporate and academic experience of over 12 years in the area of Operations Research and analytics. His academic interests can be capped as statistical & mathematical model building. Within these areas, his main interest areas are innovation diffusion time based analysis, multi-generational products & warranty analysis in marketing, operations management and innovation diffusion, software reliability assessment and optimization of release time, measuring effectiveness of managerial functions.

## REGISTRATION

The Registration fee for each participant is Rs. 2,000/.

Last date for Registration: 10<sup>th</sup> May, 2017

Discount:

- ✓ 10% discount will be given on 2 registrations from the same Institute/Organization
- ✓ 20% discount will be given on 3 or more registration from the same Institute/Organization

**Special Arrangement For Participants From Outside Delhi/NCR** - Live Streaming Facility available for participants unable to attend the FDP physically. Registration Fee for this special arrangement is Rs. 3000 per participant.

On the successful completion of the program, each participant shall receive a Certificate of Participation from Fortune Institute of International Business, New Delhi.

## MODE OF PAYMENT AND REGISTRATION

Registration fee can be remitted through Demand Draft drawn in favour of "Fortune Institute of International Business" and payable at New Delhi. Participants paying registration fees through NEFT/Online Transfer should use the following information:

**Beneficiary Name** : Fortune Institute of International Business; **Account Number** : 03362090000059

**Beneficiary Bank** : HDFC Bank Ltd;

**RTGS / NEFT IFSC** : HDFC0000336

**Branch Address** : C-17, Anand Niketan, New Delhi – 110021

MDP Cell

### Fortune Institute of International Business

Plot 5, Rao Tula Ram Marg, Vasant Vihar, New Delhi, 110057

Ms. Romaa Mageswari

Mr. Imran Khan

E-mail ID: romaa.mageswari@fiib.edu.in | imran.khan@fiib.edu.in

Mobile No: +91 98101 91881

+91 93116 44349

Landline No: +91 11 4728 5018

+91 11 4728 5002