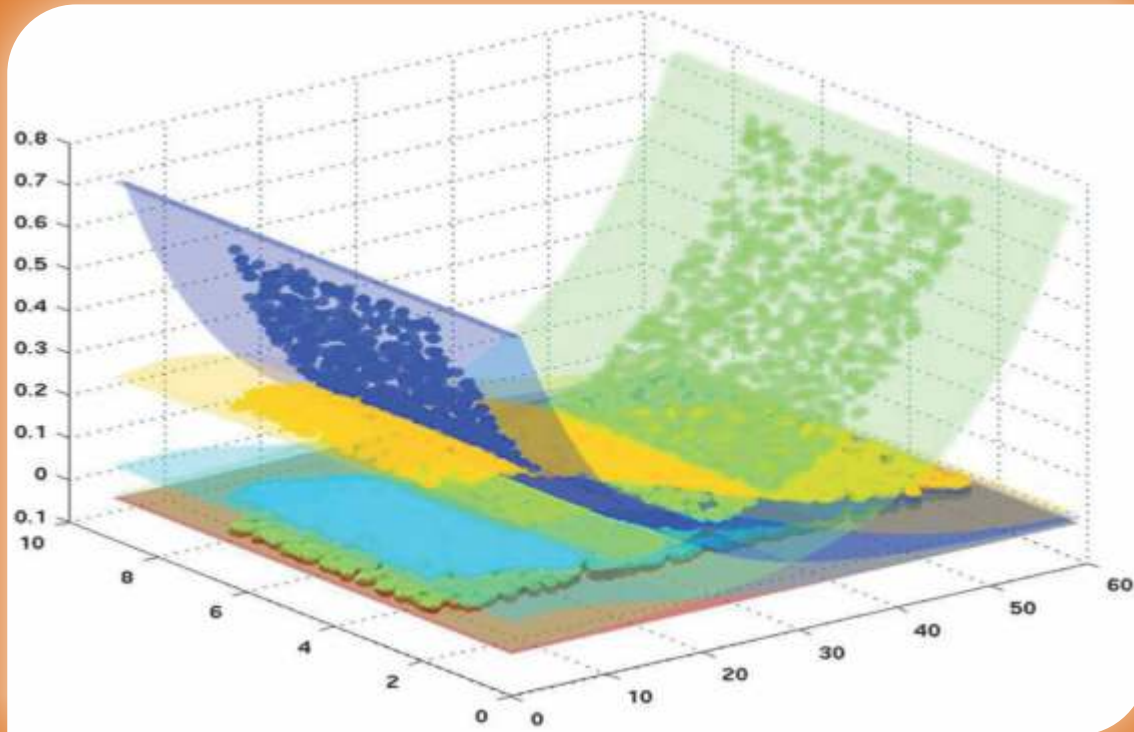


Faculty Development Program on  
**Multivariate Data Analysis**

May 9-10, 2019  
FORE Campus, New Delhi



Program Director:  
Prof. Sumeet Kaur



FORE SCHOOL OF MANAGEMENT, NEW DELHI

# Multivariate Data Analysis

## INTRODUCTION

Multivariate statistics involves observation and analysis of more than one statistical outcome variable at a time. In design and analysis, the technique is used to perform studies across multiple dimensions while taking into account the effects of all variables on the responses of interest. Researchers use multivariate procedures when they are interested in studying more than one outcome simultaneously (also known as the dependent or phenomenon of interest), more than one impacting variable (also known as an independent or predictor), or both. This type of analysis is desirable because researchers often hypothesize that a given outcome of interest is influenced by more than one variable. There are many statistical techniques for conducting multivariate analysis, and the most appropriate technique for a given study varies with the type of study and the key research questions.

## OBJECTIVE

The purpose of this FDP is to provide faculty and research scholars with the tools to gain a better understanding of the available techniques for data analysis with a focus on multivariate techniques. This program also aims to provide hands-on training on SPSS, AMOS software for analyzing the data and interpreting outcomes of various analyses.

## CONTENTS

- Multiple regression
- MANOVA
- Logistic regression
- Discriminant Analysis
- Factor Analysis
- Cluster Analysis
- SEM using AMOS

## METHODOLOGY

Typically, participants will get 75% input in lab session and 25% input through class discussion.

## WHO SHOULD ATTEND

All those who deal with data analysis will benefit most from this program and so, this program will be useful to:

- Academicians, Researchers
- Business Analysts / Managers at various decision making levels

- Executives handling Business Analytics and/or Research
- Management Students & Research Scholars.

## PROGRAM DATES AND TIMING

Dates : **May 9-10, 2019**

Timing : **9.30 AM – 5.30 PM**

## VENUE

FORE School of Management,

Adhitam Kendra,

B-18 Qutub Institutional area, New Delhi-110016

## PARTICIPATION FEE

The participation fee on non-residential basis covering professional fee, program kit and lunch is as follows:

Corporates	:	Rs.8,000/- per participant
Faculty Members	:	Rs.5,000/- per participant
Research Scholars/Students	:	Rs.3,000/- per participant

**In addition, GST @18% is payable. Fee is payable in advance by the way of Local cheque/DD in favor of “FORE School of Management” payable at New Delhi.**

**Residential** – FORE School of Management shall provide assistance in arranging suitable accommodation on specific request on payment basis.

## REGISTRATION

The registration form duly filled, along with the program fee should reach us at least 7 days before the commencement date of the program. In case of subsequent withdrawal or cancellation of registration no refund of fee will be allowed. However, substitute(s) may be permitted with prior intimation.

## CERTIFICATE OF PARTICIPATION

The institute will issue a certificate of participation on conclusion of the program.

## PROGRAM DIRECTOR

**Prof. Sumeet Kaur:** Associate Professor, FORE is Ph.D., M Phil, M.Sc (Gold Medalist). She has over 13 years work experience. She has organized workshops on Decision Sciences and its management applications like business research methods, advanced excel techniques for managers of public and private sector organizations. She has also conducted MDPs on topics like applications of qualitative techniques in competence mapping, simulation techniques and assignment problems. She has also been involved in case development with Maruti True Value, Blind People Association, Indraprastha Apollo Hospitals etc. She has research and consulting interests in Reliability and Life testing, Business Forecasting, Managerial Decision Making, Quantitative Techniques in Advanced Marketing Research, Multistage Sampling Methods, etc. She teaches courses on Business Statistics, Quantitative Techniques and Advanced Statistical Methods. She can be reached at <skaur@fsm.ac.in>.

## ABOUT THE INSTITUTE

FORE School of Management (FORE) has been established by the Foundation for Organisational Research and Education, a non-profit organization, with a mission “To achieve and sustain Leadership in Management Education, Research, Consultancy and Development”. FORE conducts following long-duration educational programmes:

- The PGDM & PGDM (IB) courses at FORE are AICTE (All India Council for Technical Education) approved and accredited by National Board of Accreditation (NBA).
- The PGDM courses are equivalent to MBA. Equivalence permission is granted by Association of Indian Universities (AIU).
- FORE is rated as A\*\*\* by CRISIL in Delhi-NCR region and A\*\* on national level.
- FORE has been awarded “SAQS Accreditation” by Association of Management Development Institutions in South Asia (AMDISA).
- FORE has set up a state-of-the-art Studio at its Campus to conduct Online Executive Education Programmes for Working Professionals and has been successfully conducting variety of such online certification courses.



Eminent academicians with many years of experience and experts from industry, recognized nationally and internationally, constitute faculty at FORE. FORE has in-house training facilitators in the field of Communication, OB & HR, Finance, Operations, Marketing, IT, International Business and Strategic Decision Making.

With a sharp focus on Management Education, Executive Education Programmes/MDPs, Consulting and Research, FORE stands amongst the Top Business Schools in the country.

FORE conducts Management Development Program/Faculty Development Programs to equip managers/faculty members with knowledge, skills and attitudes required for effectively responding to global developments and competitive requirements. Our MDPs/FDPs are designed with an appropriate blend of conceptual and experiential learning. Apart from open programs, FORE conducts customized In-Company Programs tailored to suit organization's needs on topics/areas specifically required by an organization. These Management Development Programs (MDPs) are either custom-designed to suit client requirements or are offered by faculty on a specific theme to meet various client needs.

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*For registration/any other information, please contact:*  
**Executive Education Office**

**FORE School of Management**

Adhitam Kendra

B-18, Qutub Institutional Area, New Delhi 110016.

Phone: (011) 2685 6301 (Direct), 4124 2424-33 (Extn. 471 & 498)

E-mail: [exed@fsm.ac.in](mailto:exed@fsm.ac.in), Website: [www.fsm.ac.in](http://www.fsm.ac.in)



# FORE School of Management

Faculty Development Programme on

## Multivariate Data Analysis

May 9-10, 2019, FORE Campus, New Delhi

### Registration Form

Name:

Designation:

Institution:

Address:

Phone (O):

Residence:

Mobile:

Email:

Fax:

Your expectations from the programme:

Payment Details: (Please tick appropriate and fill)

- Payment enclosed (Local cheque/DD No: \_\_\_\_\_ Date: \_\_\_\_\_  
Amount: \_\_\_\_\_)
- Payment is under process and will reach you before the programme

Signature of Sponsor

**(Please return the completed form by post, or  
email: [exed@fsm.ac.in](mailto:exed@fsm.ac.in)**

**Executive Education Office  
FORE School of Management  
B-18, Qutub Institutional Area  
New Delhi 110 016**

*Note: Please feel free to make copies of this form for additional registrations.*