



Constituent of Symbiosis International
(Deemed University), Pune Announces

**TWO DAYS
FACULTY
DEVELOPMENT
PROGRAM ON**

**MULTIVARIATE
DATA ANALYSIS**

**ON
13TH & 14TH
MARCH 2019**



Introduction to the topic

The advent of information technology has resulted in the accumulation of massive data in every field. To get an insight into the trends and utilize such data for decision making is a challenge. The information available stored in the form of rows and columns, and multivariate data analysis can be used to process such data in a more meaningful manner. Multivariate Data Analysis comprises simultaneous observation and analysis of more than one variable. It models reality where more than one statistical outcome variable is used in validating either the research findings or managerial decision making. While performing analysis, analytical tools like SPSS®, MINITAB® are used to gauge multiple dimensions of all variables on the responses and latent structures of variables as well.

Objectives

- To develop an insight into the multivariate data analysis.
- To get hands on experience on the use of statistical tools like SPSS® & MINITAB® for multivariate data analysis

Workshop Contents

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| <ul style="list-style-type: none">• Factor Analysis (EFA, CFA)• Conjoint Analysis• Discriminant Analysis• Cluster Analysis• Multi-Dimensional Scaling• ANOVA | <ul style="list-style-type: none">• Correlation• Multiple Regressions• Logistic Regression• Stepwise Regression• Dummy Variable Regression |
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Program Delivery

- The techniques as mentioned above discussed with the help of the cases/ data sets.
- Although all the topics mentioned under the Workshop Content covered in two days, the sequence of the delivery and discussion may vary.
- The two days schedule shall be of 8 hours each day including lunch (45 minutes) and tea break (10 minutes).

Beneficiaries

- Faculties, Ph.D. Scholars, researchers, and industry practitioner belonging to the management domain. However, faculties and researchers from other areas can also participate.

Dr. Surendra Kansara

Assistant Professor, Symbiosis Institute of Operations Management

Surendra Kansara is an engineer by profession and did post graduations in Entrepreneurship & Venture Management, Production & Materials Management, Marketing Management, along with a Masters of Philosophy in Management. Recently, he submitted the thesis to Tata Institute of Social Sciences for an award of a Ph.D. in inter-disciplinary management. He holds Six Sigma Certification accredited by ASCB (UK) and the FDPM (IIM-A). He has total entrepreneurial experience of more than 18 years as an approved vendor to the automotive sector organization and postgraduate (MBA program) teaching experience of Ten years. His research areas of interest include service operations management, supply chain management, procurement & materials management, quality management. He presented/published several papers in National & International conferences including indexed journals. He well verses with the pedagogy for online and blended teaching-learning process. Currently, he works with Symbiosis Institute of Operations Management, Constituent of Symbiosis International (Deemed University) as faculty of management.

Dr. Sachin Modgil

Assistant Professor, Symbiosis Institute of Operations Management

Prof. Sachin Modgil is a Ph.D. from NITIE, Mumbai in area of supply chain and quality and teaches operations management. His areas of interest include supply chain management, total quality management, operations and production management, lean management, operations and strategy control. He has total 8 years of experience. He has conducted MDPs and FDPs in the operations management domain. He is involved in case study and empirical research in the operations and supply chain domain.

Dr. Arunkumar

Assistant Professor, Symbiosis Institute of Operations Management

Dr. Arunkumar is Assistant Professor in Operations stream at Symbiosis Institute of Operations Management, Nashik, Maharashtra, India. He is B.Tech in Mechanical Engineering and M.Tech in Industrial Engineering and Management. He holds a Ph.D. from National Institute of Technology Calicut, India in the area of Industrial Engineering and Management. His research interest includes multivariate data analysis, working capital management and supply chain modeling and analysis. He has published papers in international journals and conferences in data analysis relating to working capital management of manufacturing firms. Dr. Arunkumar is a senior member of Indian Institution of Industrial Engineering. He has more than 9 years of experience in teaching and research

VENUE

Symbiosis Institute of Operations Management,
A-23, Shravan Sector, CIDCO, New Nashik - 422 008.

DURATION

Two days
(13th, 14th March 2019)

FEES & REGISTRATION

Fees Rs. 3,000 + 18% GST per participation (i.e., Rs. 3,540/-)

- Fee includes Tea & Lunch
- Avail a concessional fee of 10% for more than three participation from same institute 10% (i.e., Rs. 3,186/-)

Payment Mode

Demand Draft/Cheque in favor of: Director
or **PAYTM**



*should reach SIOM at least 5 days before the commencement of the program

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