

# Faculty Development Program on Machine Learning & Data Analytics

May 21-23, 2018  
FORE Campus, New Delhi

A Three Days hands-on program



Program Directors:  
Prof. Sumeet kaur  
& Prof. Ashok Kumar Harnal

## ⇒ Key Features

- Program tilted heavily towards Hands-on/ Laboratory oriented teaching.
- We work on real-life large data from Industry.
- You learn to analyze data using R and RStudio a top, GUI based, Analytics Engine.

simplifying Machine Learning at FORE



FORE SCHOOL OF MANAGEMENT, NEW DELHI



## Program Objectives

- I. Learn and apply R and RStudio to a variety of statistical or machine learning data modeling situations including data visualization.
- II. Use data analytics knowledge in differing business environments as for example sales & marketing, finance, human resource, operations, banking & insurance services, engineering or health care.
- III. To practically use clustering and classification techniques in real world scenarios. R and Rstudio an industry standard VCF will be our principal tool.

## PEDAGOGY

Pedagogy will be to explain concepts without going into avoidable mathematics and then use tools/applications such as R and RStudio for data analysis. Participants may consider bringing their own laptops so that they can store both data and tools for later practice.

**W**elcome to the Brave New World of Data and Data Analytics. Gone are the days when decisions are made based purely on intuition of executives. Executives interested in transforming their enterprise and society must use two simple techniques. First, they can get in the habit of asking “What do the data say?” when faced with an important decision and following up with more-specific questions such as “Where did the data come from?,” “What kinds of analyses were conducted?,” and “How confident are we in the results?” (People will get the message quickly if executives develop this discipline.) Second, they can allow themselves to be overruled by the data; few things are more powerful for changing a decision-making culture than seeing a senior executive concede when data have disproved a hunch. As the big data movement is advancing, the role of domain experts is shifting. They are valued not for their traditional style answers but because they know what questions to ask. Pablo Picasso might have been thinking of domain experts when he said, “Computers are useless. They can only give you answers.”

## Day-wise Program

**A Program very rich in Data and Visual tools.**

### Day 1: **R for Machine Learning and Statistics**

Data pre-processing with R  
R for Data Visualization

### Day 2: **R for Statistical Modeling**

R for Multiple Regression analysis  
K-means method: Clustering Techniques

### Day 3: **Predictive Analytics & Classification Techniques**

Decision Trees Induction  
Random Forest Techniques  
K-Nearest Neighbour

## WHO CAN APPLY?

**Academicians:** Lecturers and Professors in any discipline who have had some brush with Excel. The techniques will expose them to a new World of research work.

**Executives:** Ambitious Executives looking forward to sharpening their skills at data modeling and data visualization to better understand their clients and to add more value to their organization.

**Business Analyst/Data Scientists:** Predictive analytics is an important component of business analyst or data scientist's tool-kit that can be fully applied in rigorous research work across disciplines.

**Students:** Who are motivated and aspire to innovate in their career.

## SOFTWARE TOOLS

We use two very prominent analytics tool: R and RStudio.



## Program Dates and Timings

A program involving new technology and using new tools has to be a little longer for participants to assimilate the techniques. It is a three-day program

Program Dates : May 21- 23, 2018

Program Days : Monday to Wednesday

Timings : 9AM to 4:30 PM  
(with Tea and Lunch break).



## Program Directors

**Prof. Sumeet Kaur:** Associate Professor, FORE is Ph.D., M Phil, M.Sc (Gold Medalist). She has over 12 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.



**Prof. Ashok Kumar Harnal:** Graduated from IIT Delhi; M. Phil, MA (Economics): Expert in Big Data and Data Analytics both on the technology side as also on Analytics side. He has extensively taught faculty and students on the subject of big data technology and analytics. He has participated in various machine learning problems in areas of business & marketing.



## PARTICIPATION FEES

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

Corporates	:	Rs. 12,000/-
Faculty Members	:	Rs. 7,500/-
Research Scholars/Students	:	Rs. 4,500/-

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.

## 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.

\*\*\*\*\*



## REGISTRATION

The registration form duly filled in along with the program fees should reach us at least 7 days before the commencement dates of the program. In case of subsequent withdrawal or cancellation of registration no refund is allowed. However, substitutes may be permitted with prior permission.

simplifying Machine Learning at FORE

## CONTACT US

*For registration/any other information, please contact*

**Executive Education Office**

**FORE School of Management**

**"Adhitam Kendra"**

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

**Phones: (011) 2685 6301 (Direct); 4124 2424-33 (Extn. 471 &-498)**

**Email: [exed@fsm.ac.in](mailto:exed@fsm.ac.in); FORE web-site: <http://www.fsm.ac.in>**



# FORE School of Management

Faculty Development Programme on

## Machine Learning & Data Analytics

May 21-23, 2018, FORE Campus, New Delhi

### Registration Form

Name : (Mr./Ms./Dr.) \_\_\_\_\_

Designation : \_\_\_\_\_

Organization : \_\_\_\_\_

Office Address : \_\_\_\_\_

\_\_\_\_\_ Pin \_\_\_\_\_

Phone Nos. : \_\_\_\_\_

Mobile : \_\_\_\_\_

E-mail ID : \_\_\_\_\_

Fax : \_\_\_\_\_

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), to:**

**Executive Education Office  
FORE School of Management**

*"Adhitam Kendra"*

B-18, Qutub Institutional Area, New Delhi 110 016

*Note: As needed, please feel free to make duplicate copies of this form for additional registration.*