



University of Delhi
Satyawati College (Evening)
Ashok Vihar Phase-III, Delhi-110052

*Two days-*Faculty Development Programme

August 25-26, 2017

DATA ANALYTICS USING Environment

About the College



Satyawati College (Eve.) takes its name after Behan Satyawati, established in 1973. The college currently has over 2400 students and is committed to providing meaningful education which inculcate students with the spirit of scientific temper and enhance skill base of faculty and researchers to face the challenges of an increasingly competitive world. The college frequently organizes various faculty training programs, seminars and conferences on national and international issues. This academic session 2017-18, the first two days Faculty Development Programme (FDP) **on Data Analytics Using R Environment** is being planned.

About the Programme

Advances in statistical procedures have brought a change in all spheres of sciences and are being increasingly used by researchers to solve scientific hypotheses. There are lot of software available for data analysis today: spreadsheets like Excel, batch-oriented procedure-based systems like SAS; point-and-click GUI-based systems like SPSS and so on. The packages SPSS, GAUSS, SAS are expensive, and Excel is cumbersome at large file sizes. R is now the leading tool for statistics, data analysis, and machine learning. It is more than a statistical package as it provides a wide variety of statistical (linear and nonlinear modeling, classical statistical tests, time-series analysis, classification, clustering etc.)



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and graphical techniques, and is highly extensible. One of R's strengths is the ease with which well-designed publication-quality plots can be produced, including mathematical symbols and formulae where needed. Great care has been taken over the defaults for the minor design choices in graphics with full user control.

The objective of the training program is to provide a step-by-step guide on the use of R to carry out statistical analysis and techniques widely used in life, chemical and physical sciences.

Topics to be covered:

- Introduction and need for statistical tools
- Programming in R Environment, Importing data from other formats
- Data problem solving using R, computing descriptive Statistics
- Exploratory data analysis and Graphics, Testing of Hypothesis
- Analysis of Variance, Correlation and Regression Analysis
- Case studies

For Whom

- Faculty Members, Academicians and Research Scholars in their respective fields.
- Professionals and Executives from the Industry engaged in data analytics and applications.
- Practitioners working in any functional area interested in research.

Key Information

- **Duration**- Two days FDP from 25th-26th August, 2017 (9:00am to 4:00pm)
- **Certificate of Participation**- Certificate of Participation shall be given to participants on successful completion of the programme.
- **Registration**- Programme Registration fees which includes seminar kit, professional fees, tea and lunch.
 - **Rs. 1200/-** for Faculty Members, Academicians and Corporate Professionals
 - **Rs. 1000/-** for Research Scholars

Only limited seats are available, therefore registration shall be made on "first come, first serve" basis. *Please note that no refund of fees shall be made later on.*

- **Payment Mode**- Registration fees can be paid through Cheque/Draft in favour of "THE PRINCIPAL, SATYAWATI COLLEGE (Eve.)" to be sent along with duly filled in registration form. Last date for submission of registration fees and form is 18th Aug, 2017.



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Key Contacts:

PATRON

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Two days-Faculty Development Programme

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DATA ANALYTICS USING  Environment

Registration Form

Name: _____ Designation: _____

Organization/ Institute/University Name: _____

Address: _____

Mobile: _____ Email id: _____

Payment Details: (by DD/Cheque)

DD/ChequeNo: _____

Date: _____ / _____ / _____ Amount: _____

Bank: _____

Registration fee of. **Rs1200/-** (for Faculty Members, Academicians and Corporate Professionals)/
Rs. 1000 (for Research Scholars) can be paid through **Draft/Cheque** in favour of “**THE PRINCIPAL, SATYAWATI COLLEGE (Eve.)**” payable at Delhi to be sent along with duly filled in registration form to: -

Co-conveners

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