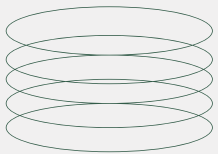


## Workshop Contents

- Module 1: Introduction to Statistics
- Module 2: Sampling and Hypothesis Testing
- Module 3: Chi-Square, t-test, and F-Test
- Module 4: Non- parametric Tests
- Module 5: Data Management and Introduction of SPSS
- Module 6: Descriptive Analysis using SPSS
- Module 7: Correlation and Regression Analysis: using SPSS
- Module 8: Testing of Hypothesis using SPSS
- Module 9: Parametric Tests and its application using SPSS
- Module 10: Nonparametric Test and its application using SPSS
- Module 11: Factor Analysis and its application using SPSS
- Module 12: Discriminant Analysis and its application using SPSS
- Module 13: Cluster Analysis and its application using SPSS
- Module 14: R Fundamentals
- Module 15: Descriptive Statistics using R software
- Module 16: Correlation and Regression using R software



### **Contact Us-**

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**AIU- Dayalbagh Educational Institute-  
Academic & Administrative Development Centre  
(AIU-DEI-AADC)**

**Organises**

## **Short-Term Capacity Building Programme on Statistical Analysis: Theory and Practice (Applications of SPSS and R Software in Research)**

**28-11-2023 to 5-12-2023**



**Venue**

**Dayalbagh Educational Institute (Deemed to be University)  
Dayalbagh, Agra-282005, Uttar Pradesh, India**

## Overview-

Data Analysis transforms raw data into valuable knowledge, enabling better decision-making, efficiency, and progress across a wide spectrum of endeavours. Data analysis through SPSS and R is essential for informed decision-making. It empowers researchers, businesses, and organizations to extract valuable insights from complex data, uncover patterns, and make data-driven choices. These tools enable advanced statistical analysis, predictive modelling, and data visualization, ensuring better strategies and outcomes.

## Resource Persons-

### Prof. Vineeta Singh

Professor, Department of Statistics, Institute of Social Sciences  
Director, Institute of Fine Arts,  
Dr. B. R. Ambedkar University, Agra, Uttar Pradesh

### Prof. Diwakar Khare

Former Director  
Former Head, Department of Statistics, Institute of Social Sciences  
Dr.B.R. Ambedkar University, Agra, Uttar Pradesh

### Dr. Manoj Kumar

Post Doctoral Associate (Data Science, Biostatistics, Health Economics)  
McGowan Institute for Regenerative Medicine  
University of Pittsburgh, Pittsburgh, Pennsylvania, USA

### Prof. V.K. Gangal

Head, Department of Applied Business Economics,  
Dean, Faculty of Commerce, DEI

### Prof. S. P. Saxena

Professor, Department of Applied Business Economics, DEI

### Dr. Saurabh Mani

Associate Professor, Department of Applied Business Economics, DEI

### Dr. Aparna Satsangi

Assistant Professor, Department of Chemistry, DEI

Target Participants : Faculty Members and Research Scholars  
(Limited seats to be filled on FCFS basis.)

Mode of Delivery : Hybrid

Registration Link : 

Last Date for Registration : November 25, 2023

Registration Fee : Academicians (DEI)-Rs. 1500  
Academicians (Outside DEI)-Rs. 1770 (Incl. GST)  
Research Scholars (DEI)-Rs.1000  
Research Scholars (Outside DEI)-Rs.1180 (Incl. GST)

# Bank Details will be shared after registration process.



## DEI Advisors

Prof. C. Patvardhan, Director, DEI  
Mrs. Sneha Bijlani, Treasurer, DEI  
Prof. Anand Mohan, Registrar, DEI

## AIU Advisors

Dr. Pankaj Mittal, Secretary General, AIU  
Dr. Amrendra Pani, Joint Director & Head, Research Division, AIU

## Workshop Convener

Prof. Poornima Jain  
Professor Emeritus, Dept. of Sociology and Political Science, DEI

## Organising Committee

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Dr. Birpal Singh Thenua, Dept. of Sociology and Political Science, DEI  
Dr. Ishwar Swarup Sahai, Dept. of Sociology and Political Science, DEI  
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