



(Accredited A++ by NAAC)

**One-Week Faculty Development  
Programme  
on  
Advanced Data Analysis using SPSS and  
AMOS  
(Hybrid Mode)**

**October 30 - November 4, 2023  
01:00 PM to 05:00 PM**

**Organized  
by  
Department of Statistics  
University of Lucknow  
Lucknow-226007  
U.P., INDIA**

**Venue  
Department of Statistics  
University of Lucknow  
Lucknow-226007, U.P., INDIA**



**Registration fee**

Category	Fee
Faculty	@2000 INR
Research Scholar	@1000 INR
Corporate	@3000 INR
Foreign Participant	@40 USD

Fees can be paid through NEFT/ Net Banking as details given below:

<b>Name of the Account</b>	Head, Department of Statistics, Lucknow
<b>Account Number</b>	00600110227374
<b>Bank and Branch</b>	UCO Bank, LU Branch
<b>IFS Code</b>	UCBA0000060

Registration fee includes various costs associated with the organization of FDP. In case, if seats for offline mode will be available, on the spot registration facility may be provided to the interested participants.

**Terms & Conditions:**

1. The FDP has limited seats: 50 for offline mode and 100 for online mode.
2. No accommodation or TA/DA would be provided to the participants by the University/Organizers.
3. It is compulsory for all the participants to attend all the sessions including hands on practices to get the certificate.

**How to Apply?**

Interested participants are requested to fill the Google form for the registration. The fees can be paid only by using NEFT/online mode. There is no need to send hard copy of the form.

However a copy of filled form may be E-mailed to the email ID: [osdataanalysisws@gmail.com](mailto:osdataanalysisws@gmail.com).

**Note:**

1. Participants will be enrolled on first come first serve basis.
2. Seats are limited. Registration will be on first come first serve basis OR as long as the registration link is available.
3. The sessions will be conducted during 1:00 pm to 5:00 pm.
4. It is desirable for participants to bring their personal laptops for getting one-month trial version copy of the software.

Link for the Google registration form is given below: <https://forms.gle/joD9S2RJmusYYVNj9>

**For any queries or details contact:**

Email: [osdataanalysisws@gmail.com](mailto:osdataanalysisws@gmail.com)

Mobile: +91-945-106-2226 (Dr. Akash Asthana)  
+91-875-697-2667 (Dr. Anupama Singh)

## ABOUT THE FDP

Deep understanding and correct application of statistical tools and methodologies is the need of every multidisciplinary research in the current scenario. The present Faculty Development Programme focuses on detailed data analytics that are used in practical applications. **SPSS** (Statistical Package for the Social Sciences) and **SPSS AMOS** are comprehensive software used for conducting a variety of statistical analyses and Structural Equation Modeling respectively. It has become very popular among researchers of various disciplines, as it is easy to understand and apply. However, it is easy necessary to learn detailed stepwise application of the software so as it can be applied properly on data. Therefore, this FDP will provide deep learning on advanced analysis tools such as, multivariate analysis, multiple regression, SEM, Factorial analysis, etc.

## TARGET AUDIENCE

This Faculty Development Programme is beneficial for the faculty members, research scholars from Management, Biosciences, Humanities, Social Sciences and other disciplines involving data analysis. Researchers seeking in-depth training of advanced data analytics such as multiple regression techniques, SEM, etc. can apply to this programme.

## FDP COMMITTEE

**Chief Patron**  
**Prof. Alok Kumar Rai**  
Vice-Chancellor  
University of Lucknow

**Co-Patron**  
**Prof. Vibhuti Rai**  
Dean, Faculty of Science  
University of Lucknow

**Coordinator**  
**Prof. Masood H. Siddiqui,**  
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## Organizing Secretaries

**Dr. Akash Asthana**  
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**Advisory Committee**  
Prof. Sheela Misra  
Prof. Rajeev Pandey  
Prof. Shashi Bhushan  
Dr. Mukesh Kumar  
Dr. Rohini Yadav  
Dr. Ashok Kumar  
Dr. Shambhavi Mishra

## ABOUT UNIVERSITY

University of Lucknow, initially known as Canning College is a 102-year-old university established on November 25th 1920. It is also the first A++ graded state university in Uttar Pradesh with 47 department and 17 institutes catering to students of all backgrounds from India and abroad. University of Lucknow has been a academic home to distinguished personalities in the field of science, politics, arts, sports etc. University of Lucknow stands for academic excellence and integrity and aims to contribute in transforming society for a better future. The university involves in development of human resource for furtherance of knowledge through teaching, research and innovation for better service to humanity in general and our nation in particular.

## ABOUT THE DEPARTMENT

Department of Statistics is among high-ranking departments of the country devoted to teaching and research in Statistics. It was initially set up in 1948 with Mathematics department and later separated in 1958 and established as Department of Statistics under the headship of Prof. B. P. Adhikari. Since the establishment, this department has witnessed eminent personalities like Prof. B.P. Adhikari, Prof. V.S. Huzurbazar, Prof. Desraj, Prof. K.V. Ramchandran, etc. In the past 65 years, the department has earned for itself an excellent reputation in teaching and research with specialization in Statistical Inference, Survey Sampling, Econometrics, Bio-Statistics, Population Studies etc. The teachers and students have achieved eminence in India and abroad in academics, administration and multinational companies. The department is equipped with Software like SPSS, STATA, R, Epi Info, etc. Department also extends technical assistance to researchers in multidisciplinary fields

## One-Week Faculty Development Programme on Advanced Data Analysis using SPSS and AMOS Programme Schedule

DAY	SESSION	TOPIC
Day 1 Oct-30	12:30PM– 1:30 PM	Inauguration
	1:30 PM - 2:00 PM	<b>High Tea</b>
	2:00 PM - 3:30 PM	Multiple Linear Regression
	3:30PM – 5:00PM	Hands on Practice on Multiple Linear Regression
Day 2 Oct-31	1:00PM – 2:45PM	Logistic Regression including hands on practice
	2:45PM – 3:15PM	<b>Refreshment Break</b>
	3:15PM -5:00PM	Cluster Analysis including Hands on Practice
Day 3 Nov-01	1:00PM – 2:45PM	Exploratory Factor Analysis including hands on practice
	2:45PM – 3:15PM	<b>Refreshment Break</b>
	3:15PM -5:00PM	Confirmatory Factor Analysis
Day 4 Nov-02	1:00PM – 2:45PM	Structural Equation Modeling
	2:45PM – 3:15PM	<b>Refreshment Break</b>
	3:15PM -5:00PM	Structural Equation Modeling (contd.)
Day 5 Nov-03	1:00PM – 2:45PM	Structural Equation Modeling (Mediation and Moderation)
	2:45PM – 3:15PM	<b>Refreshment Break</b>
	3:15PM-5:00PM	Hands on Practice on Structural Equation Modeling
Day 6 Nov-04	1:00PM – 2:30PM	Hands on Practice on Structural Equation Modeling
	2:30PM – 3:00PM	<b>Refreshment Break</b>
	3:00PM - 4:30 PM	<b>Valedictory</b>