

About the Workshop



Recent advancements in research methodologies are the needs of the researchers for learning and understanding statistical tools for the analysis of data. The present workshop aims to discuss various statistical concepts commonly used in real life using Statistical Packages for Social Sciences (SPSS) software through series of examples. SPSS has become very popular software among academicians & researchers for data analysis nowadays due to its easy to handle and interactive interface. However, it is important for the users to be able to apply proper statistical tools for meaningful results & their interpretations. The course contents will include introduction to SPSS environment, data importing, exporting, data management, data exploration, testing of hypothesis using parametric and non-parametric methods, correlation and association, linear and non-linear regression analysis, and other multivariate techniques using SPSS.

Target Audience

The workshop is suitable for the Faculty Members, Research Scholars & students of Management, Biosciences, Humanities, Social Sciences and all other disciplines involved in data analysis.

Committees for the Workshop

Chief Patron

Prof. A.K. Rai
Vice-Chancellor, L.U.

Co-Patron

Prof. Brijendra Singh
Dean, Faculty of Science, L.U.

Chair Person

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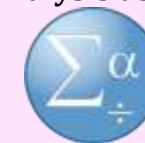
Organizing Secretary

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Advisory Committee Members

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Prof. Rajeev Pandey
Dr. Mukesh Kumar
Dr. Shambhavi Mishra
Dr. Anupama Singh
Dr. Rajiv Saxena

One week workshop on Data Analysis using SPSS



(Hybrid Mode)

April 24 – April 29, 2023



Organized by:

Department of Statistics

University of Lucknow
(Accredited A++ by NAAC)
Lucknow-226007,
U.P., INDIA

Correspondence Address:

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About University of Lucknow

The University of Lucknow is the first state university of U.P. which was accredited A++ by NAAC. The University of Lucknow, priorly known as Canning college, had got the status of University on November 25, 1920. The King George Medical college, currently known as King George Medical University and Engineering College, Currently known as Dr. APJ Abdul Kalam Technical University, were also the part of University of Lucknow, which were separated later. The core purpose of the University is to contribute in transforming society for a better future. It stands for academic excellence and integrity. It is expected to maintain the highest ethical standards, be socially responsible. 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

The Department is one of the oldest and high ranking departments of the country with respect to teaching and research. During past 60 years, the department has earned for itself an excellent reputation in teaching and research with specialization in Statistical Inference, Bayesian Inference, Survey Sampling, Econometrics, Bio-Statistics, Design of Experiments, Gender Statistics, Population Studies and other applied areas of statistics. The department has conducted a series of summer schools, orientation programs, workshops and seminars, invited talks, training programs, national and international conferences. The department has three fully computerized labs enriched with the software SPSS, STATA, MATLAB, MINITAB, Epi info, Census info and R-studio. There is an adequate provision for teaching and research in almost all branches of the Statistics. The department library is enriched with a number of good books and different journals of Statistics.

Registration Fee

Category	Fee
Faculty	₹1500/-
Research Scholars/Students	₹1000/-
Corporate	₹2000/-
Foreign participants	USD 40

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

A/c Name	Head, Department of Statistics, Lucknow
A/c Number	00600110227374
Bank & Branch	Uco Bank, LU Branch
IFS code	UCBA0000060

Registration fee includes various costs associated with the organization of workshop. 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 Workshop is only for limited number of participants for offline mode (max. 70) and for online mode (max. 200)
2. Participants will be enrolled on first come first serve basis
3. It is desirable for participants to bring their personal laptops for getting one-month trial version copy of the software.
4. **No accommodation would be provided to the participants by the University/Organizers.**
5. To attend all the sessions including hands on practices are compulsory for each participant to get the certificate.

6. Certificates will be provided to the participants on the basis of 100% attendance throughout the Workshop.

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 can be E-mailed to the email ID: osdataanalysisws@gmail.com.

- Note** (i) Seats are limited. Registration will be on first come first serve basis as long as the registration link is available.
(ii) The sessions will be conducted during 1:00 pm to 5:00 pm.

Registration can be done online using the link given below:

https://docs.google.com/forms/d/e/1FAIpQLSfomQLSf7127PZyueb9EEz6jGfcGbsip_vlMLNLduUa0Q54dQ/viewform?usp=sf_link

If on clicking link is not opening you can copy the link and paste it in the browser.



One Week Workshop on Data Analysis using SPSS

Program Schedule

Day	Session	Topic	Details of the topic
April 24	Session 1	Inauguration	
		High Tea	
	Session 2	An Introduction to Statistics and SPSS	
	Session 3	Data entry using SPSS	Hands on Practice for Data entry, preparation of variable view, use of define variable properties and Copy data properties, Hands on practice for Insert variable, Insert cases, Go to, Sorting of data, Merging files, Splitting the file, Computing a new variable, Recoding of data
April 25	Session 1	Graphical representation of data	Bar chart, Pie chart, Histogram, Frequency curve, Cumulative frequency curve, Box Plot, Scatter Plot
		Refreshment Break	
	Session 2	Hands on Practice	Hands on practice for graphical representation
April 26	Session 1	Descriptive Statistics	Measures of Central Tendency, Measures of Dispersion, Measures of Skewness and Kurtosis
		Refreshment Break	
	Session 2	Hands on Practice	Hands on practice for descriptive statistics, tabular representation and Exploring the data
April 27	Session 1	Testing of Hypothesis	Parametric and Non-parametric Tests
		Refreshment Break	
	Session 2	Hands on Practice	Hands on practice for parametric and non-parametric tests available in SPSS
April 28	Session 1	Correlation and Regression	A brief introduction to Correlation and Regression analysis along with their assumptions, Selection of best regression equation: Forward selection method, Backward elimination method, Step-wise regression
		Refreshment Break	
	Session 2	Hands on Practice	Hands on practice for Correlation and Regression using SPSS
April 29	Session 1	Analysis of Variance	One-way classification, Two-way classification, Repeated measure ANOVA: One way classification, Random effect models
		Refreshment Break	
	Session 2	Hands on Practice	Hands on practice for Analysis of Variance using SPSS
	Session 3	Valedictory	