

In Collaboration with

**INSTITUTE OF APPLIED STATISTICS
KANPUR, UTTAR PRADESH**

Jointly Organizes

Two-Day Workshop on

EFFECTIVE DATA ANALYSIS STRATEGIES WITH SPSS



29 Nov. to 30 Nov. 2024



10:00 AM - 05:00 PM



Geetanjali Medical College & Hospital, Udaipur, Rajasthan

Chief Patron



Dr. R. K. Vyas
Vice-Chancellor
Geetanjali University
Udaipur, Rajasthan

Patron



Dr. Sangita Gupta
Dean
Geetanjali Medical College & Hospital
Udaipur, Rajasthan

Guest Speakers



Dr. Hitesh Khurana
Professor
Department of Psychiatry
IMH, PGIMS, UHS, Rohtak, Haryana



Dr. Shubham Pandey
National Coordinator
Dr. Padam Singh R&D Scheme
Institute of Applied Statistics, Kanpur



Dr. Alok Kumar Singh
Department of Statistics
RBS College, Dr. Bhimrao Ambedkar Univ.
Agra, Uttar Pradesh

Organizing President



Dr. Mukul Dixit
Professor & Head
Dept. of Community Medicine
GMCH, Udaipur, Rajasthan

Organizing Secretaries



Dr. Amit Kumar
Assistant Professor
Dept. of Community Medicine
GMCH, Udaipur, Rajasthan



Dr. Abhishek Kumar
Assistant Professor
Dept. of Community Medicine
GMCH, Udaipur, Rajasthan

TWO-DAY WORKSHOP ON EFFECTIVE DATA ANALYSIS STRATEGIES WITH SPSS



ABOUT THE WORKSHOP

Join us at Geetanjali Medical College & Hospital, Udaipur, for an intensive Two-Day Workshop on Data Analysis Using SPSS. This workshop is designed to provide participants with practical skills in SPSS, equipping them with the tools to analyze data effectively and uncover meaningful insights.

PROGRAMME CONTENT

1. Introduction to SPSS :

- Understand the purpose of SPSS in data analysis
- Analyzing survey data to identify trends
- Install SPSS software, Navigate the SPSS interface

2. Data Handling in SPSS :

- Import, Export, Sorting, Merging of data
- Inserting, Splitting, Data Coding, Generating New Variable, Dummy, Categorical & Semi-Continues Variables
- Replacing Missing Values

3. Graphical & Tabular Presentation of Data

4. Normality Test using SPSS:

- P-P & Q-Q Plot for Normality Testing
- Histogram & Box-Plot for Normality Assessment
- Statistical Test for Normality Testing

5. Testing of Hypothesis:

- Descriptive Statistics
- Crosstab & Its use
- Custom Table, Sorting & Use of Split Function

6. Data Analysis using SPSS: Parametric Tests

T-Test (Independent), T-Test (Paired), One-Way ANOVA, Two-Way ANOVA, Repeated Measures ANOVA, Analysis of Covariance (ANCOVA), MANOVA (Multivariate Analysis of Variance), Factorial ANOVA, Hotelling's T-Squared Test, Z-Test

7. Data Analysis using SPSS: Non-Parametric Tests

Spearman Rank Correlation, Kendall's Tau, Chi-Square Test of Independence, Mann-Whitney U Test, Wilcoxon Signed-Rank Test, Kruskal-Wallis H Test, Friedman Test, Kolmogorov-Smirnov Test, Cochran's Q Test, Wilcoxon Rank Sum Test, Sign Test, McNemar's Test, Median Test

8. Correlation & Regression Analysis:

Pearson Correlation Coefficient, Rank Correlation, Partial Correlation, Canonical Correlation Analysis, Simple Linear Regression, Multiple Linear Regression, Logistic Regression, Polynomial Regression, Ridge Regression, Ordinal Regression, Poisson Regression, Multivariate Regression, Nonlinear Regression

OBJECTIVE

The primary objective of this workshop is to empower participants with hands-on experience in data analysis using SPSS, one of the most widely used software for statistical analysis. Through real-world examples and guided practice, attendees will gain an understanding of key statistical techniques, data management, and data visualization. The workshop aims to build confidence in participants, enabling them to apply these techniques independently in their respective fields.



WORKSHOP FEES

2000/- INR Per Participant
(All Taxes Included)

WORKSHOP REGISTRATION:

Where to Register:

- <https://iasdcs.com>
- Click on Workshop Registration
- Find Program List
- View Brochure/Register

OR

**SCAN THIS QR
TO REGISTER**



- Hard Copy of Certificate & Study Material will be provided to all registered participants.
- Lunch & Evening Tea-Snacks will be provided during the workshop.

WHO SHOULD ATTEND:



Doctors/Faculties, any Research Scholar/PG Student of any Medical or non-medical colleges/Universities

CONTACT US FOR ANY QUERY



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ORGANIZERS

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ABOUT GEETANJALI MEDICAL COLLEGE & HOSPITAL

Geetanjali Medical College & Hospital is the crown jewel of Geetanjali University. It is Shri J.P. Agarwal's dream that GMCH has come into existence who as a founder and chairman of the institute has left no stone unturned to make it a successful one. It is his commitment and dedication that has made this Hospital and College the most trusted one in Udaipur and its surrounding regions.

His vision of a developed country with developed infrastructure for higher education is the basic element of Geetanjali University. With this a whole new face of medical education and medical treatment has come alive in Udaipur.

Geetanjali Medical College & Hospital is a recognized medical college by Medical Council of India and Govt. of India with annual intake of 250 MBBS Students. At GMCH, we strictly follow the norms to ensure that our students receive high standards of medical education, skill and confidence.



ABOUT INSTITUTE OF APPLIED STATISTICS

Institute of Applied Statistics (IAS) is a prime Institute that serves the upbringing of human resource development in Statistics. The Institute of Applied Statistics conducts training on statistical tools and methodologies to the various professionals all over the country. Besides, the institute carries out participates in multidisciplinary research activities. The distinctive mission of the institute is the creation of trained manpower to tackle the emerging challenges of the research field. Training of statistical as well as non-statistical manpower in undertaking monitoring and evaluation of large scale programs/projects, through specialized short/medium term programs. Develop Need based training modules in consultation and collaboration with academicians, researchers and professionals from universities. To facilitate and organize International/National/State/Institutional level training programs for researchers and academicians.

GEETANJALI MEDICAL COLLEGE & HOSPITAL



INSTITUTE OF APPLIED STATISTICS

The collaboration between Geetanjali Medical College & Hospital, Udaipur, and the Institute of Applied Statistics paves the way for innovative growth in research and education. By merging academic expertise with practical training, this partnership aims to develop skilled professionals in data analysis and statistical methodologies. Together, we are dedicated to advancing evidence-based practices, empowering participants to make meaningful contributions to their fields while strengthening the academic and professional community in the region.



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