



2nd One Week Online Workshop on Advance Statistical Data Analysis using SPSS

Jan 21-27, 2024

Jointly Organized by

Uttar Pradesh University of Medical Sciences, Saifai, Etawah, UP

(As per UP Government Act No 15 of 2016 to provide for establishment of a Medical Sciences University)

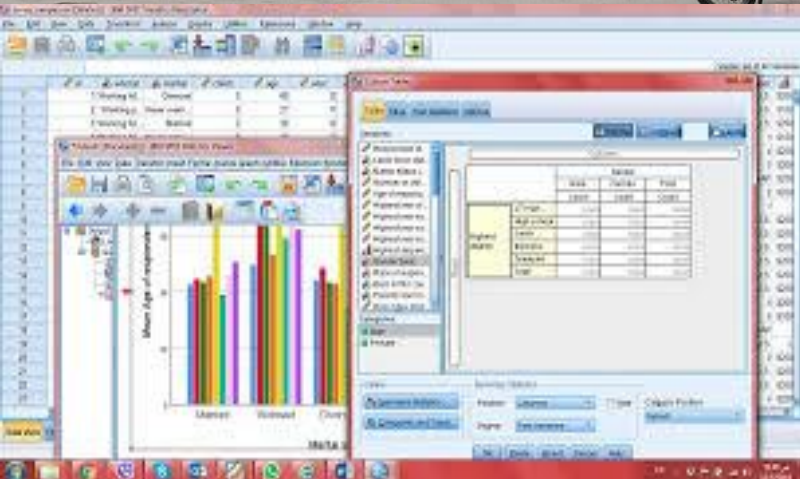
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Science Tech Institute, Lucknow, UP

(Run by: Manraj Kuwar Singh Educational Society)

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2nd One Week Online Workshop on Advance Statistical Data Analysis using SPSS

Jan 21 – 27, 2024

Uttar Pradesh University of Medical Sciences, Saifai, Etawah and Science-Tech Institute, Lucknow is going to organize **2nd One Week Online Workshop on Advance Statistical Data Analysis using SPSS** .This Workshop will provide a platform to the researchers and academicians to enrich their methodological and analytical skills.

Uttar Pradesh University of Medical Sciences, Saifai, UP

As per UP govt. act no 15 of 2016 to provide for establishment of a Medical Sciences university by the name of Uttar Pradesh University of Medical Sciences by the transfer of Uttar Pradesh Rural Institute of Medical Sciences & Research and associated Dental services, Para Medical College, nursing college & college of the pharmacy at saifai, Etawah.

Science-Tech Institute(Run By: MKS Educational Society Lucknow)

The Science-Tech is one of the premier Institutes of Lucknow dedicated to organize various academic activities like Conferences, FDP, seminars, workshops and Training programme and Certificates Course in collaboration with many National & International organizations and Institute have own Publications House and Journals to be publish various fields of books, Research papers and Magazine. The Institute is run by Manraj Kuwar Singh Educational Society, Lucknow. The Society is working for the development of deprived socio-economic students by providing them quality education.



ABOUT THE PROGRAM

Research is the systematic and objective process of gathering, recording and analyzing data for taking appropriate & meaningful decisions. It connotes patient study and scientific investment, wherein the researcher takes a more careful look at data to discover all that could be known more deeply about the subject under study. Applied research facilitates managerial decision-making and reduces uncertainty.

To keep pace with the recent advancement in any discipline, one has to be well versed with the latest analytical techniques. Keeping in view the importance of statistical data analysis **2nd One Week Online Workshop on Advance Statistical Data Analysis using SPSS** aims to explore the basic dimensions of data analysis for decision making.

In this training program we are exploring basic statistical techniques used in bio medical and social science research and hands on SPSS software for advance statistical data analysis through online interactive and practice sessions along with theory behind. Training sessions are structured to cover the topics outlined in the schedule. The topics have been so chosen that the intricacy of research methods and data analysis may be understood by participants. Sample data set to analyze and study material and video lectures will be shared by emails to the participants for practice and to gain confidence to handle their respective data while conducting researches in their respective subject domains.

Objective

The course will explain the fundamental concepts of advance statistical data Analysis techniques using SPSS . It will be delivered through video lectures and reading materials.

Methodology

The methodology of the course will comprise of:

- Online lecture
- Participatory discussion
- Demonstrations
- Problem solving (exercises and data analysis in each sessions).

Duration & Time

One Week Date: **21 - 27 Jan, 2024 Time: 6:30 PM to 8:30 PM.**

Nature of Participants

Faculties, Residents from Medical Colleges, Nursing Colleges, Agriculture College, Law College, Engineering, College, SIHFV and Demographers, Epidemiologist, Statistical officer, Data Analyst and other researchers who are interested to learn data from Govt. and Pvt. organizations are eligible to apply and also all Faculty members (regular/ad-hoc/temporary/guest) from any Indian/Foreign University/College, Ph.D. (Research Scholars) and UG, PG Students of MBBS & MD, B. Tech & M. Tech. , B.Sc.& M. Sc. BCA & MCA, B. Com. & M. Com. LLB and LLM of all the discipline.

Date and Time	Course Content
<p>Day- 1 (21 Jan, 2024) Timing: 06:30 PM- 08.30 PM</p>	<ul style="list-style-type: none"> ❖ Descriptive Statistics ❖ Graphical representation of Data ❖ Testing of Normality ❖ Testing of Homogeneity <p style="text-align: center;">Case Studies with Hands on SPSS</p>
<p>Day- 2 (22 Jan, 2024) Timing: 06:30 PM- 08.30 PM</p>	<p>Parametric Tests</p> <ul style="list-style-type: none"> ❖ One sample t-test ❖ Independent t-test ❖ Paired t-test ❖ ANOVA ❖ Repeated measures ANOVA <p style="text-align: center;">Case Studies with Hands on SPSS</p>
<p>Day- 3 (23 Jan, , 2024) Timing: 06:30 PM- 08.30 PM</p>	<p>Non Parametric Tests</p> <ul style="list-style-type: none"> ❖ Mann Whitney U-test ❖ Wilcoxon Rank Signed test ❖ Kruskal Wallis Test ❖ Friedman ANOVA ❖ Chi square test <p style="text-align: center;">Case Studies with Hands on SPSS</p>
<p>Day- 4 (24 Jan, 2024) Timing: 06:30 PM- 08.30 PM</p>	<ul style="list-style-type: none"> ❖ Bivariate Regression Analysis ❖ Logistic Regression Analysis ❖ Multinomial Logistic Regression Analysis <p style="text-align: center;">Case Studies with Hands on SPSS</p>
<p>Day- 5 (25 Jan, 2024) Timing: 06:30 PM- 08.30 PM</p>	<ul style="list-style-type: none"> ❖ Exploratory Factor Analysis ❖ Interpretation of Exploratory Factor Analysis <p style="text-align: center;">Case Studies with Hands on SPSS</p>
<p>Day-6 (26 Jan, 2024) Timing: 06:30 PM- 08.30 PM</p>	<ul style="list-style-type: none"> ❖ Cluster Analysis ❖ Interpretation of Cluster Analysis <p style="text-align: center;">Case Studies with Hands on SPSS</p>
<p>Day- 7 (27 Jan, 2024) Timing: 06:30 PM- 08.30 PM</p>	<ul style="list-style-type: none"> ❖ Discriminant Analysis ❖ Interpretation of Discriminant Analysis <p style="text-align: center;">Case Studies with Hands on SPSS</p>

Workshop Rule

Highlights of the Workshop-

1. **Registered participants will get e-certificates mentioned with Credit Hour.**
2. Study material in the form of ppt and video recording of all sessions will be provided to all registered participants.
3. **Workshop** by Subject Experts from and other reputed Institute & Universities
4. **Workshop** will be on the Zoom meeting platform.

For further queries, please mail us at:

sciencetech487@gmail.com

REGISTRATION & PAYMENT DETAILS

Details of Registration Fees:

1. For Indian Participants : **INR 600/- (Non-Refundable)**
2. For Foreigner : **USD(\$) 10/- (Non-Refundable)**

For registration & payment please click on the given link:

<https://sciencetechinstitute.com/2nd-one-week-online-workshop-on-advance-statistical-data-analysis-using-spss-jan-2024-2/>

Note: Last of Registration 20th Jan 2024 till mid night

After successful registration , the participants will receive a confirmation via email. Please keep checking the spam folder of the email as the bulk email sent may end up in the spam folder. An official group has been made for communication with the participants on “Whatsapp.” The link to join the official group will be provided in the confirmation mail.

About Resource Persons

Prof Gyan Prakash Singh is Professor of Statistics in the Department of Statistic, Banaras Hindu University, Varanasi. From last 22 years he involved in teaching and research. Before joining the Department of Statistics, BHU he was in the Department of Community Medicine, Institute of Medical Sciences, BHU for 10 years, where key role was to equip the students of Master of Health Statistics in the field of Biostatistics. He also shaped the Division of Biostatistics as Professor Inchagre which was latter converted into Centre of Biostatistics. He also introduced Bayesian Data analysis in the course curriculum of Biostatistics Division.



Mrs. Borsha Neog obtained her B.Sc. from Jagganath Barooah College, Jorhat, Assam. She has completed his M.Sc. & MPhil in Statistics from Dibrugarh University, Dibrugarh. Currently she is serving as an Assistant Professor, department of Agricultural statistics, Assam Agricultural University, Jorhat. She has participated many national and international level workshops & conferences as well as presented her research work in national & nternational conferences. She has invited as a resource person in national level workshop. Her research interests focus on forecasting, machine learning and time series analysis.



Dr. Anup Kumar is, Associate Professor, Department of Biostatistics, & Health Informatics, SGPGIMS, Lucknow has completed his Ph.D. from Banaras Hindu University, Varanasi in the field of Mathematical Modeling of Human Fertility in 2012. Currently his area of interested is Stochastic Modelling, Big Data Analysis, Text Mining and Biostatistics. He has published more than 20 research articles in reputed international and national journal. He has delivery more than 25 talks on applied statistics at various national level workshop. Working software for data analysis are R & SPSS.



Dr. Amit Kumar did his Doctor of Philosophy (Ph. D) from All India Institute of Medical Science, India. Currently he is serving as an Associate Professor and Head of Department of Laboratory Medicine Rajendra Institute of Medical Sciences, Ranchi, Jharkhand, India. He has participated many National and International level workshops & conferences as well as presented his research work in National & International conferences. He has invited as a resource person in National level workshop. His research interests focus on forecasting, Regression analysis.



Dr. S. K. Yadav is currently working as Associate Professor at Department of Statistics, Baba saheb Bhimrao Ambedkar University (A Central University), Lucknow. He did his M.Sc. and Ph.D. from Department of Statistics, University of Lucknow. He has teaching and research experience of more than 10 years in the field of Statistics. He has published more than 100 research papers in various national and international journals. He has delivered many invited talks in the National and International Conferences. His areas of research include Sampling theory, Regression Analysis and Operations Research.



Dr. Ranjit Kumar Paul is Senior Scientist at IASRI, New Delhi. He has published many research paper in national and international journals. He has published two books. He received the Young Scientist Award in Social Science for the biennium 2015-16 by National Academy of Agricultural Sciences (NAAS), he Received ICAR Lal Bahadur Shastri Outstanding Young Scientist Award in Social Sciences for 2016.



Dr. Gayatri Vishwakarma is an experienced Biostatistician having 14+ years of post-PhD work experience in academics and research. Dr. Gayatri is currently working with ISIC as Head-Biostatistics. She worked as Biostatistician with Department of Research at Rajiv Gandhi Cancer Institute, New Delhi. She worked as Visiting Scientist at University of Texas Health Science Center, Tyler TX, USA. She also worked as Monitoring & Evaluation Specialist in Woodward Charitable Foundation, Ethiopia. Dr. Gayatri has also been active in the statistical research community with a primary focus on sample size calculation and survival analysis. She has got PhD in Statistics from Jabalpur University and post-doctoral training at University of Saskatchewan, Canada. .



Organising Team of the Workshop

Chief Patron



Dr. Prabhat Kumar Singh
Honourable Vice Chancellor,
U P University of Medical
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Co- Patrons



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**Workshop
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Senior Advisor



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