

**ONE WEEK ONLINE WORKSHOP
ON
ADVANCED STATISTICAL DATA ANALYSIS
USING SPSS**

(April 22nd - 28th, 2025)

**Resilient Foundation For Academic Innovation &
Scientific Research, New Delhi**
(Registered with NITI Aayog, Govt. of India)

ONE WEEK ONLINE WORKSHOP ON ADVANCED STATISTICAL DATA ANALYSIS USING SPSS

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About Resilient Foundation :

Resilient Foundation for Academic Innovation & Scientific Research, New Delhi is a not-for-profit organization registered under section 8 of the companies' act 2013, India. The organization is established having primary aim to promote academic & research activities through knowledge sharing, innovation, skill development and capacity building in various sectors like academia, industry and government for betterment of society. For more details please visit <https://theresilientfoundation.org/>

About the Workshop:

During the COVID-19 pandemic, the virtual academic engagement is resultant more productive and gives a better outcome. Keeping in view of the immense benefits of the online workshop in the present educational set-up, Resilient Foundation for Academic Innovation & Scientific Research, New Delhi are pleased to offer **One Week Online Workshop on Advanced Statistical Data Analysis using SPSS** for the faculty members, research scholar, health professionals, industry personals, researchers and UG/PG students in the country from 22nd -28th April 2025. The workshop aims to bring together faculties, researchers, and research scholars to exchange and share their experiences and research results on all aspects of statistical data analysis with hands on experience in SPSS.

Objective of the Workshop:

In response to the growing need for effective online academic engagement, Resilient Foundation for Academic Innovation & Scientific Research, New Delhi, is pleased to offer **One Week Online Workshop on Advanced Statistical Data Analysis using SPSS**. This workshop, scheduled from 22nd – 28th April 2025, is designed for faculty members, research scholars, social scientists, health professionals, industry personnel, and UG/PG students across the country. The workshop aims to bring together participants from diverse fields to exchange knowledge and share experiences in various statistical data analysis using SPSS.

The expected outcome of the workshop:

At the end of workshop, participants would be able to:

- Understand various statistical techniques
- Design the hypothesis
- Apply parametric & non parametric statistical tests
- Apply regression analysis
- Hands on SPSS Software

THE COURSE CONTENT OF THE WORKSHOP

Day	Topics Covered	Date & time
Day-1	<ul style="list-style-type: none"> ▪ Descriptive Statistics ▪ Graphical representation of Data ▪ Testing of Normality ▪ Testing of Homogeneity ▪ Case Studies with Hands on SPSS 	Date: 22 nd Apr, 2025 Time: 06:30 PM-08:30 PM
Day-2	<p style="color: red; margin: 0;">Parametric Tests</p> <ul style="list-style-type: none"> ▪ One sample t-test ▪ Independent t-test ▪ Paired t-test ▪ ANOVA ▪ Repeated measures ANOVA ▪ Case Studies with Hands on SPSS 	Date: 23 rd Apr, 2025 Time: 06:30 PM-08:30 PM
Day-3	<p style="color: red; margin: 0;">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 ▪ Case Studies with Hands on SPSS 	Date: 24 th Apr, 2025 Time: 06:30 PM-08:30 PM
Day-4	<ul style="list-style-type: none"> ▪ Bivariate Regression Analysis ▪ Logistic Regression Analysis ▪ Multinomial Logistic Regression Analysis ▪ Case Studies with Hands on SPSS 	Date: 25 th Apr, 2025 Time: 06:30 PM-08:30 PM
Day-5	<ul style="list-style-type: none"> ▪ Exploratory Factor Analysis ▪ Interpretation of Exploratory Factor Analysis ▪ Case Studies with Hands on SPSS 	Date: 26 th Apr, 2025 Time: 06:30 PM-08:30 PM
Day-6	<ul style="list-style-type: none"> ▪ Cluster Analysis ▪ Interpretation of Cluster Analysis ▪ Case Studies with Hands on SPSS 	Date: 27 th Apr, 2025 Time: 06:30 PM-08:30 PM
Day-7	<ul style="list-style-type: none"> ▪ Discriminant Analysis ▪ Case Studies with Hands on SPSS 	Date: 28 th Apr, 2025 Time: 06:30 PM-08:30 PM

Methodology

- Online live classes by eminent experts from reputed organizations of the country
- Participatory discussion with Q&A
- Demonstrations
- Exercises and data analysis sessions using SPSS
- Recordings of the all sessions will be provided to all registered participants

Nature of Participants

Faculties, Research scholars, Medical students, Post-doctoral fellows, Industry professionals , UG, PG students of all domain.

Duration &Time

One Week (22 -28 Apr, 2025)

Timing (02 Hours): 06:30 PM-08:30 PM

Registration Process:

1. Registration Fee for all participants = **Rs. 600/-**

Registration Link

<https://theresilientfoundation.org/current-events/>

Note: After registration, you will get confirmation on your registered email from organizers in which link for joining official what's app group will be shared.

Workshop Rule

Highlights of the Workshop-

1. Registered participants will get e-certificates
2. Video recording of all sessions will be provided to all registered participants.
3. **Workshop** by Subject Experts from reputed Institute & Universities
4. **Workshop** will be on the Zoom meeting platform.

For further queries, please mail us at : info@resilientfoundation.in
or call at +91-8840112492.

Last Date of Registration: 22 April, 2025 (Till 4:00 PM)

About Resource Persons

Dr. Gayatri Vishwakarma is an experienced Biostatistician having 14+ years of post-PhD work experience in academics and research. Dr. Gayatri is currently working as Principal Scientist at ZYDUS Life Sciences, Ltd., Ahmedabad, Gujrat. She has been the Head- Biostatistics at ISIC, New Delhi. 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



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 SCOPUS indexed national and international journals.



Dr. Shambhavi Mishra, Assistant Professor in the Department of Statistics, University of Lucknow, since January 2016, has significantly contributed to statistics and biostatistics domains. After earning her Master's in Statistics from Lucknow University in 2011, she worked as a Statistical Fellow in SGPGI's Department of Biostatistics & Health Informatics for three years. She was also a Biostatistician and Data Analyst for the Bill & Melinda Gates-funded Community Empowerment Lab. She represented India at two WHO Data Analysts' Meets in Geneva and one at Stanford School of Medicine, Stanford University, USA.



Dr. Amit Kumar is currently working as Associate Professor and Head, Dept. of Laboratory Medicine, Rajendra Institute of Medical Sciences (RIMS), Ranchi. He has expertise in various statistical data analytics tools and techniques including hands on statistical software.



Organising Team of the Workshop



Patron

Prof. D.S.Hooda

(Former PVC, Kurukshetra University), Honorary Professor, GJ University of Science & Tech, Hisar

Workshop Coordinators



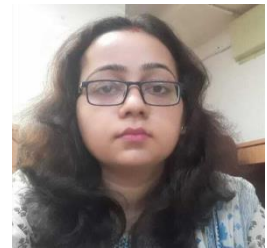
Dr. D.K. Yadav

Assistant Professor
NIHFW, New Delhi
(Organizing Secretary)



Dr. Meenu Goel

Assistant Professor
Mata Sundri College for Women
(Organizing Secretary)



Mrs. Richa Singh

Director
Resilient Foundation for Academic
Innovation & Scientific Research,
New Delhi