



ONE WEEK ONLINE WORKSHOP ON QUALITATIVE & QUANTITATIVE DATA ANALYSIS

(September 21st - 27th, 2024)

Organized by

IQAC, Mata Sundri College for Women

(University of Delhi)

&

**Resilient Foundation For Academic Innovation & Scientific
Research, New Delhi**

(Registered with NITI Aayog, Govt. of India)

(September 21st -27th 2024)

About Mata Sundri College for Women, University of Delhi:

Mata Sundri College for Women is a constituent college of University of Delhi. The college was founded on 17 July 1967 by the Gurdwara Parbandhak Committee, Delhi State. It caters to education of young women preparing them for life by promoting their intellectual sensitivities. We are proud to have a strength of 4066 vibrant young women in the college. There are 166 distinguished faculty members and 64 members of the Non-teaching Staff. With its extremely well-qualified teaching faculty and an efficient support staff backing them, the college provides an ideal learning environment for the young women as they embark on their journey of life, giving shape to their most cherished dreams and wings to their creative pursuits.

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/>

Objective of the Workshop:

In response to the growing need for effective online academic engagement, Mata Sundri College for Women, New Delhi, in collaboration with the Resilient Foundation for Academic Innovation & Scientific Research, New Delhi, is pleased to offer One Week Online Workshop on Qualitative & Quantitative Data Analysis. This workshop, scheduled from 21st - 27th September 2024, 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 qualitative and quantitative data analysis techniques.

The expected outcome of the workshop:

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

- Understand qualitative research methods
- Code interviews and focus group discussions
- Hands on Nvivo software
- Conduct the review of literature with Nvivo
- 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 Qualitative Data Analysis | <ul style="list-style-type: none"> ▪ Understanding qualitative research methods ▪ Introduction to Nvivo ▪ Coding interviews and focus group discussions ▪ File and case classification | Date: 21 st Sept, 2024 Time: 06:30 PM-08:30 PM |
| Day-2 Qualitative Data Analysis | <ul style="list-style-type: none"> ▪ Conducting a literature review using NVIVO ▪ Text mining, word cloud, cluster analysis ▪ Thematic analysis, grounded theory ▪ Data visualisation | Date: 22 nd Sept, 2024 Time: 06:30 PM-08:30 PM |
| Day-3 Qualitative Data Analysis | <ul style="list-style-type: none"> ▪ Systematic Literature Review | Date: 23 rd Sept, 2024 Time: 06:30 PM-08:30 PM |
| Day-4 Quantitative Data Analysis | <ul style="list-style-type: none"> ▪ Measurement Scales ▪ Descriptive Statistics ▪ Graphical representation of data Hands on SPSS | Date: 24 th Sept, 2024 Time: 06:30 PM-08:30 PM |
| Day-5 Quantitative Data Analysis | Parametric Tests: T-test (one sample, two samples), Paired-t test, ANOVA Hands on SPSS | Date: 25 th Sept, 2024 Time: 06:30 PM-08:30 PM |
| Day-6 Quantitative Data Analysis | Non-Parametric Tests Wald-Wolfowitz runs test, Mann-Whitney U test, Kruskal-Wallis test, Median Test, Sign test, Wilcoxon's matched pairs test, Chi square test Hands on SPSS | Date: 26 th Sept, 2024 Time: 06:30 PM-08:30 PM |
| Day-7 Quantitative Data Analysis | Regression Analysis Simple and Multiple Regression Logistic Regression | Date: 27 th Sept, 2024 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 NVIVO & 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 (21st -27th September, 2024)

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

Registration Process:

1. Registration Fee for UG/PG students (Only Mata Sundri College) = **Rs. 200/-**
(students must upload their valid college id at the time of registration)
2. Registration Fee for faculties/research scholars/ industry / students = **Rs. 600/-**

Registration Link

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

Note: After submitting google form, 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: 20th September, 2024

About Resource Persons

Dr. Shalini Sahni is a distinguished academican and the Founder of Koach Scholar. She serves as a Trainer and Academic Research Consultant, bringing over 15 years of experience in academia. Dr. Sahni has held various prestigious positions at affiliated institutes of GGSIPU, New Delhi. She is also an internationally certified PPA Thomas and Emotional Quotient trainer. Her expertise extends to conducting Management Development Programs (MDPs) on data analytics for renowned companies like Adani ports, Parle G, and Mancor Consulting.



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. Harpreet Kaur

Principal

**Mata Sundri College for Women
(University of Delhi)**

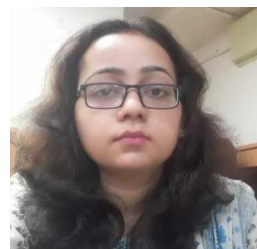
Co - Patron



Prof. D.S.Hooda
(Former PVC, Kurukshetra University), Honorary Professor, GJ University of Science & Tech, Hisar



Prof. D.K.Sharma
University of Maryland, USA



Mrs. Richa Singh
Director
Resilient Foundation for Academic Innovation & Scientific Research, New Delhi

Workshop Coordinators



Prof. Lokesh K. Gupta
Director, IQAC
Mata Sundri College for Women
(Convenor)



Dr. Meenu Goel
Assistant Professor
Mata Sundri College for Women
(Organizing Secretary)



Ms. Kamna Vermani
Assistant Professor
Mata Sundri College for Women
(Organizing Secretary)



Dr. D.K. Yadav
Assistant Professor
NIHFW, New Delhi
(Organizing Secretary)