



**TECNIA INSTITUTE OF ADVANCED STUDIES**  
**GRADE "A" INSTITUTE**  
Approved by AICTE, Ministry of Education, Govt. of India, Affiliated to GGSIP University  
Recognized Under Sec. 2(f) of UGC Act 1956  
**INSTITUTIONAL AREA MADHUBAN CHOWK, ROHINI, DELHI 110085**  
Tel: 91-11-27555121-24, E-Mail : directortias@tecnia.in, Website: www.tiaspg.tecnia.in



### **5 Days Workshop on IBM SPSS Statistics 25**

<b>Event:</b>	Workshop on IBM SPSS Statistics 25
<b>Organized by:</b>	Department of Journalism and Mass Communication in collaboration with Research & Innovation Cell
<b>Convener:</b>	Dr. Shivendu Rai
<b>Participants:</b>	Faculties and Students
<b>Date:</b>	12 <sup>th</sup> September, 2022 to 16 <sup>th</sup> September, 2022
<b>Venue:</b>	Hybrid Mode
<b>Timing:</b>	10:00 AM to 12:00 PM
<b>Key speaker:</b>	Dr. Pooja Sharma

#### **Learning Objectives:**

- To introduce participants to the functionalities and features of IBM SPSS Statistics 25.
- To provide hands-on experience in data analysis using SPSS.
- To enable participants to perform statistical analysis and interpret the results effectively.
- To equip attendees with the skills needed to apply statistical techniques in their research projects.

In collaboration with Research & Innovation Cell, the Department of Journalism and Mass Communication of Tecnia Institute of Advanced Studies organized a comprehensive 5-day workshop on IBM SPSS Statistics 25, aimed at enhancing the data analysis skills of participants. The workshop was held at the Tecnia Auditorium and attracted a diverse group of attendees, including students, researchers, and faculty members from Tecnia Institute of Advanced Studies.



The workshop saw participation from 47 students, 10 faculty members, and research scholars from various departments. The diverse group of participants brought different perspectives and experiences, enriching the learning experience for everyone involved.

**Workshop Structure:** The five-day workshop was structured into the following sessions:

### **Day 1: Introduction to SPSS and Data Entry**

The workshop began with an inaugural session, where the Dr. Pooja Sharma, Associate professor in Lovely Professional University, highlighted the importance of statistical analysis in academic and professional research. The first day's focus was on familiarizing participants with the SPSS interface, data entry procedures, and basic data management. Topics covered included:

- Introduction to SPSS and its applications.
- Navigating the SPSS interface.
- Data entry techniques and variable definition.
- Data transformation and cleaning.

### **Day 2: Descriptive Statistics and Data Visualization**

On the second day, the workshop delved into descriptive statistics and data visualization. Participants learned how to summarize data using measures of central tendency and dispersion. Additionally, the session covered:

- Creating and interpreting frequency distributions.
- Generating descriptive statistics.
- Producing charts and graphs for data visualization.
- Customizing and exporting graphs for presentations.

### **Day 3: Inferential Statistics**



The third day focused on inferential statistics, which are crucial for making predictions and testing hypotheses. The session included:

- Introduction to probability and sampling.
- Conducting hypothesis tests (t-tests, chi-square tests).
- Understanding and interpreting p-values.
- Introduction to ANOVA (Analysis of Variance).

#### **Day 4: Advanced Statistical Techniques**

Participants were introduced to more advanced statistical techniques on the fourth day. The hands-on sessions included:

- Correlation and regression analysis.
- Factor analysis and reliability testing.
- Multivariate analysis techniques.
- Interpretation of SPSS output and reporting results.

#### **Day 5: Practical Application and Q&A**

The final day of the workshop was dedicated to the practical application of the techniques learned over the previous days. Participants worked on case studies and real-life datasets to reinforce their understanding. The session concluded with a Q&A session, where participants had the opportunity to clarify doubts and seek guidance on specific research problems.

#### **Conclusion**

The 5-day workshop on IBM SPSS Statistics 25 was a resounding success, providing participants with valuable insights into data analysis. The practical approach, coupled with expert guidance, ensured that attendees left with enhanced skills in using SPSS for their research and professional needs. The workshop received positive feedback, with participants expressing their satisfaction with the content and delivery.



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## Images of the Workshop

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**DEPARTMENT OF JOURNALISM & MASS COMMUNICATION**

COLLABORATION with **RESEARCH & INNOVATION CELL**  
 organizes

**FIVE DAYS WORKSHOP ON**  
**SPSS**

**12<sup>th</sup>-16<sup>th</sup> September, 2023**  
**10:00 AM Onwards**  
**MODE : HYBRID**

Resource Person  
**Dr. Pooja Sharma**  
 Associate Professor, LPU

Convenor :  
**Dr. Shivendu Kumar Rai**  
 Department of Journalism & Mass communication





## LIST OF BENEFICIARIES

SESSION: 2022-2023

S.NO.	NAME OF PARTICIPANTS (FACULTY AND STUDENTS)	COURSE
1	DR. POOJA SHARMA	ASSOCIATE PROFESSOR
2	DR. URVIZA	ASSOCIATE PROFESSOR
3	DR. RUBEENA BANO	ASSISTANT PROFESSOR
4	DR. VANDANA RAGHAVA	PROFESSOR
5	DR. NITU AGARWAL	PROFESSOR
6	DR. VARUN KUMAR	ASSOCIATE PROFESSOR
7	DR. ROHTASH KUMAR	ASSOCIATE PROFESSOR
8	DR. AJAY PRATAP SINGH	ASSOCIATE PROFESSOR
9	DR. ARUN BHATIA	PROFESSOR
10	DR. SHALINI GUPTA	ASSOCIATE PROFESSOR
11	NAMAN BEHRANI	BCA
12	KRISHNA TAYAL	BCA
13	DAMYA RANA	BCA
14	KARAN GUPTA	BCA
15	VEDIKA MEHTA	BCA
16	SWARNIM ROHILLA	BCA
17	LOKESH MISHRA	BCA
18	AVINASH THAKUR	BCA
19	MOKUL SINGH	BA(JMC)
20	KIRTI GOEL	BA(JMC)
21	LAKSHAY GARG	BA(JMC)
22	KASHISH VERMA	BA(JMC)
23	SHREYA DEV KAURA	BA(JMC)
24	DEV MOHAN SHARMA	BCA
25	RIDHAM	BCA
26	ARNAV DUA	BCA
27	TUSHAR SINGH	BCA
28	MANVI TYAGI	BA(JMC)
29	SANYA SANGAL	BA(JMC)
30	REET MEHRA	BA(JMC)
31	OJASWI DOONGA	BA(JMC)
32	HARSHIT SAGAR	BA(JMC)
33	MUKUL ARORA	BA(JMC)
34	KHUSHI	BA(JMC)
35	BHAVYA MALIK	BA(JMC)
36	AASHI SHARMA	BA(JMC)
37	RADHIKA KHANNA	BA(JMC)
38	PRIYANSHI VIMAL	BA(JMC)
39	PRIYANSHI BANSAL	BA(JMC)



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45	SALONI SAYAL	BA(JMC)
46	SAMAIRA PANWAR	BA(JMC)
47	CHETNA JINDAL	BBA
48	CHESHTA	BBA
49	RITIKA CHOUDHARY	BBA
50	ADITI KUKREJA	MBA
51	MANAN ARORA	MBA
52	SHIVEK CHAUHAN	MBA
53	MUSKAN	MBA
54	UMANG ARORA	MBA
55	KHYATI RAJPUT	MBA
56	SHRISTHI	MBA
57	KANISHKA GOEL	MBA