S.P.B. PATEL
ENGINEERING COLLEGE

SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

UNLOCKING SPSS SECRETS:
FROM DATA ENTRY TO ANALYSIS

Prof. Tejas Patel

📅 **05/09/2019** | 🕐 **02:00 PM – 04:30 PM**

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**Seminar Hall,
Saffrony Institute of India, Mehsana**

www.saffrony.ac.in

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Report on
Unlocking SPSS Secrets: From Data Entry to Analysis

Organizer: Saffrony Institute

Participants: 93

Date: September 5, 2019

**Expert Facilitator:** Professor Tejas Patel

Introduction:

On September 5, 2019, the Saffrony Institute organized a comprehensive workshop titled "Unlocking SPSS Secrets: From Data Entry to Analysis." With 93 participants in attendance, the workshop aimed to equip individuals with the knowledge and skills necessary to proficiently utilize SPSS software for data entry, management, and analysis. Professor Tejas Patel, an expert in statistical analysis and data science, led the session, offering invaluable insights and practical guidance throughout.

Key Themes Explored:

1. Introduction to SPSS: Professor Patel commenced the workshop with an overview of SPSS software, highlighting its features and functionalities. Participants gained a fundamental understanding of the software interface, data organization, and basic operations, laying the groundwork for more advanced topics.

2. Data Entry and Management: Practical sessions focused on efficient data entry and management techniques within SPSS. Participants learned best practices for importing data from various sources, cleaning and organizing datasets, and manipulating variables to prepare them for analysis.
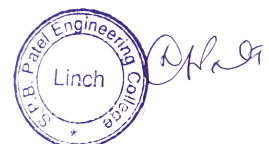
3. Descriptive Statistics: The workshop delved into the application of descriptive statistics using SPSS. Professor Patel guided participants through the process of generating descriptive summaries, including measures of central tendency, variability, and distributional characteristics, to gain insights into their datasets.

4. Inferential Statistics: Participants explored inferential statistics techniques available in SPSS for hypothesis testing and data inference. Professor Patel elucidated concepts such as t-tests, ANOVA, regression analysis, and chi-square tests, demonstrating their implementation within the software environment.

5. Data Visualization: Practical demonstrations showcased the visualization capabilities of SPSS for presenting data effectively. Participants learned to create various types of charts, graphs, and plots to communicate findings visually and facilitate data-driven decision-making.

6. Advanced Topics and Tips: The workshop concluded with discussions on advanced topics and practical tips for optimizing data analysis workflows in SPSS. Professor Patel shared insights into advanced statistical techniques, syntax-based analysis, and troubleshooting common challenges encountered during data analysis.

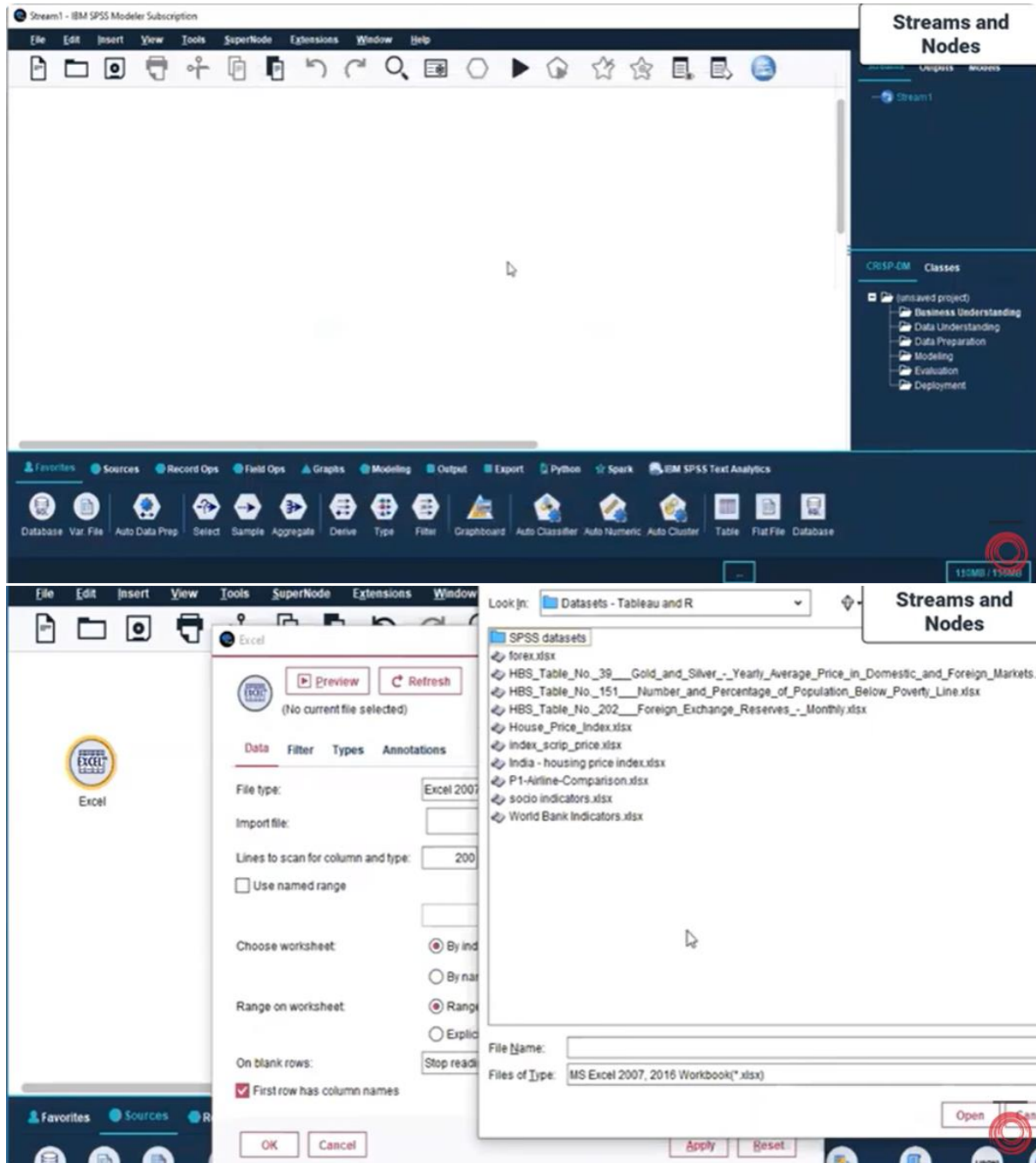## Hands-on Exercises and Interactive Learning:

The workshop fostered hands-on learning experiences through interactive exercises, guided demonstrations, and real-world case studies. Participants had the opportunity to apply theoretical concepts in practical scenarios, receive personalized guidance from the expert facilitator, and collaborate with peers to solve analytical challenges.

Conclusion:

The "Unlocking SPSS Secrets: From Data Entry to Analysis" workshop organized by the Saffrony Institute, under the expert guidance of Professor Tejas Patel, provided a comprehensive learning experience for 93 participants seeking to enhance their proficiency in data analysis using SPSS software. Through hands-on exercises, practical demonstrations, and interactive discussions, attendees gained valuable insights and skills essential for effectively utilizing SPSS in their academic, research, and professional endeavors.
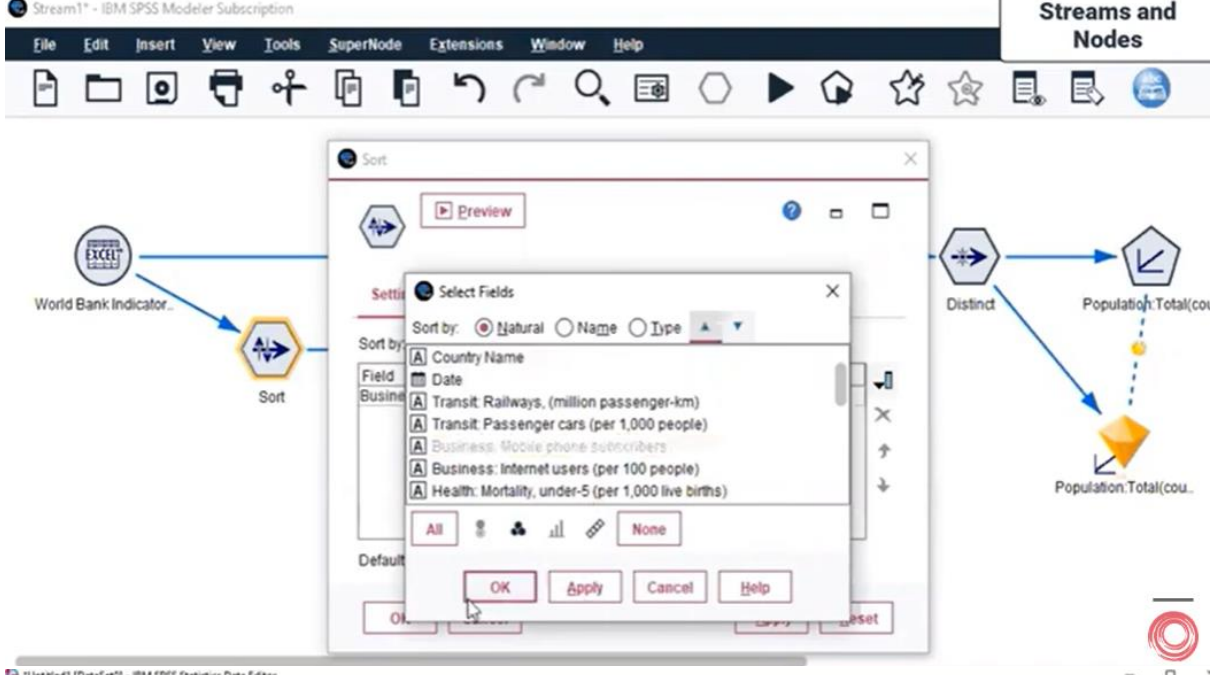
Photographs:

"Share information about SPSS"
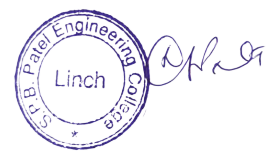
"Learn how to do data entry in SPSS "