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प्रा. राम ताकवले संशोधन केंद्र / Prof. Ram Takwale Research Centre

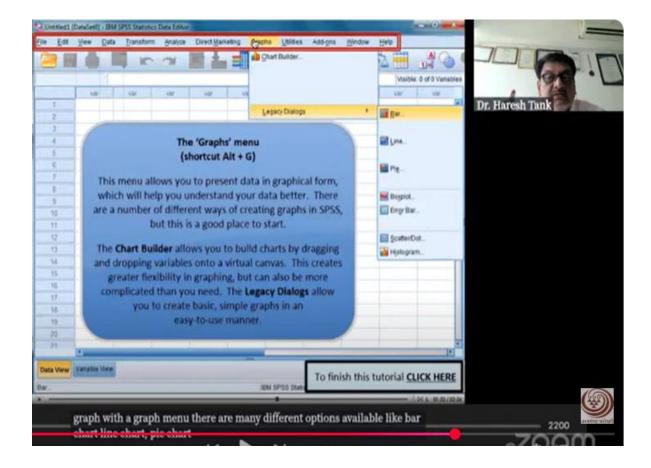## Workshop Report: SPSS Software

- **Date:** 20th December 2024

- **Time:** 10:30 AM to 1:30 PM

- **Mode:** Online

- **Resource Person:** Dr. Haresh B. Tank, Associate Professor of Statistics, Lt. M. J. Kundaliya English Medium Mahila Commerce College, Rajkot, Gujarat, India.

- **Total Participants -**115

Workshop highlights:

The Prof. Ram Takawale Research & Development Center at Yashwantrao Chavan Maharashtra Open University (YCMOU) successfully hosted a follow-up workshop on **SPSS software** on December 20, 2024. The workshop was conducted online from 10:30 AM to 1:30 PM. **Dr. Haresh B. Tank**, a distinguished Associate Professor of Statistics at **Lt. M. J. Kundaliya English Medium Mahila Commerce College, Rajkot, Gujarat**, served as the resource person, delivering an insightful and engaging session.

The workshop commenced with an introductory speech by **Emeritus Professor Kavita Salunke**, Director of the Prof. Ram Takawale Research & Development Center and the School of Online Learning. She emphasized the significance of statistical tools in advancing research and encouraged participants to actively leverage these tools for their academic pursuits.

In the first session, **Dr. Haresh B. Tank** provided a comprehensive overview of research fundamentals, covering:

- **Types of research**
- **Distinctions between data, information, knowledge, and wisdom**
- **Concept of errors in hypothesis testing (Type I and Type II errors)**

He systematically explained the steps in hypothesis testing, discussing:

- **Stating hypotheses**
- **Selecting significance levels**
- **Choosing appropriate test statistics**
- **Decision-making and drawing conclusions**

Additionally, he elaborated on key concepts such as **correlation, regression, outliers, and the differences between parametric and non-parametric tests**.

The **second session** focused on practical training, where **Dr. Tank** demonstrated the application of **SPSS software**. He guided participants through:

- **Data input and management**
- **Conducting statistical tests**
- **Generating and interpreting reports and graphs**

This hands-on approach enabled participants to gain practical insights into effectively using **SPSS** for research purposes.

Participation

A total of **115 participants** attended the workshop, including **academic coordinators, faculty members, and researchers**. The sessions were **informative and well-received**.

Devayani Warungase, Academic Coordinator, delivered the vote of thanks, expressing gratitude to the **resource person, participants, and organizing team** for making the workshop a success.

Summary

The workshop significantly enhanced participants' **research skills** by providing both **theoretical knowledge and practical SPSS training**, proving to be highly beneficial for researchers.

Prepared By

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Academic Coordinator,

School of Online Education

कविता साळुंके

Emeritus Prof. Kavita Salunke
Director, School of Online Education & Prof. Ram Takawale Research & Development Center, YCMOU