



STELLA MATUTINA COLLEGE OF EDUCATION (AUTONOMOUS)

Re-Accredited (4thCycle) by NAAC at 'A' Grade

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Report on Workshop for Basics of Data Analysis using SPSS Software

Date/ Time: 24th July 2022, 9.30 am to 12.30 pm.

Location: Stella Matutina College of Education

Resource Person: Dr. Alma Juliet Pamela, Associate Professor of Education, Dean of Academics and Research, Stella Matutina College of Education

On 24th July 2022, a workshop on the theme "Basics of Data Analysis using SPSS Software" was conducted at Stella Matutina College of Education. This workshop was organized for M.Ed students and Research Scholars with the aim of enhancing their understanding of data analysis techniques, particularly utilizing the Statistical Package for the Social Sciences (SPSS) software. The workshop was facilitated by Dr. Alma Juliet Pamela, an esteemed expert in the field of data analysis and statistics.

Workshop Objectives:

1. To introduce participants to the fundamentals of data analysis.
2. To familiarize participants with the SPSS software and its basic functions.
3. To provide hands-on experience in data entry, cleaning, and analysis.
4. To empower M.Ed students and Research Scholars with the skills necessary for conducting high-quality research.

The workshop commenced at 9:30 AM with an engaging introduction by the resource person on the importance of data analysis in research and its relevance to education. The following were the key highlights of the workshop:

The resource person elaborated on the significance of data analysis in research. She explained different types of data, scales of measurement, and the steps involved in the data analysis process. The participants were given an overview of the SPSS software, including its

features, interface, and functionalities. The Resource Person provided a step-by-step guide on how to navigate the software.

A significant portion of the workshop was dedicated to data entry and cleaning. Participants learned how to input data into SPSS, check for errors, and clean the dataset to ensure accuracy. Resource Person demonstrated how to compute and interpret descriptive statistics, including measures of central tendency and dispersion. This was followed by practical exercises where participants computed these statistics using sample datasets. The workshop also covered inferential statistics, introducing concepts such as hypothesis testing and p-values.

Participants had the opportunity to run various statistical tests in SPSS, including t-tests and ANOVA. Throughout the workshop, participants were encouraged to follow along and practice the concepts learned. They were provided with sample datasets to work on, promoting a hands-on learning approach, the resource person actively engaged with the participants, addressing their questions and clarifying doubts at various intervals during the workshop.

The workshop ended with a vote of thanks for the valuable session on basics of data analysis and to the college administration for their support in organizing the event. The participants left with a stronger foundation in data analysis and a renewed enthusiasm for their research projects.

Outcome of the programme

The workshop on the Basics of Data Analysis using SPSS Software conducted by SMCE was a resounding success. Participants gained valuable insights into data analysis, developed proficiency in using the SPSS software, and honed their research skills. The knowledge and experience gained in this workshop will undoubtedly benefit the M.Ed students and Research Scholars in their academic and research endeavours.

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