Report on one day hands on training on skill development using SPSS

Date: 16th June 2023

Time: 9:30 am to 5 pm

Venue: Computer lab, St. Gregorios College,Kottarakara

Organized by: Research Forum -PG and Research Department of Commerce, in association with IQAC ,St. Gregorios College Kottarakara.

Introduction

The hands on training on skill development using SPSS was conducted on 16th June 2023 at the computer lab of St. Gregorios College Kottarakara. The training aimed to equip participants with the necessary skills to analyse and interpret data using SPSS. The training program commenced with a silent prayer followed by a presidential address by Dr. Sumi Alex, Principal and Head of the Department of Commerce, St.Gregorios College, Kottarakara. A total of 23 participants attended the training, comprising PG students from various colleges. The training sessions were handled by the research scholars,Ms. Nayeema Nowshad, Ms. Resmi C. Panicker and Ms. Shilpa L of St.Gregorios College , Kottarakara.

Objectives

The objectives of the training were:

1. To introduce participants to the basics of SPSS and its applications.
2. To equip participants with hands on experience in data analysis and interpretation using SPSS
3. To enhance participants skills in using SPSS for doing their post graduate project work.

Training outline

The training covered the following topics:

1. Introduction to SPSS
2. Data entry in SPSS
3. Descriptive statistics and data visualization
4. Recoding, visual binning, ranking and graph building
5. Inferential statistics (t- tests).

Program overview and key learning

The training employed a hands on approach, where participants worked on exercises using SPSS. The resource persons provided guidance and support through out the training and participants were encouraged to ask questions and to clear their doubts.

The training comprised of three sessions:

In the first session, Ms. Nayeema Nowshad, research scholar of St.Gregorios College, Kottarakara explained the basic introduction to SPSS, how to import an excel file into SPSS, how to enter data in SPSS and also explained the descriptive analysis of data using SPSS such as calculating frequencies, cross tabulation etc,.She explained the above topics with the help of a model questionnaire. This helped the participants to have a hands on experience in SPSS.

In the second session,Ms. Resmi C.Panicker , research scholar of St. Gregorios College Kottarakara explained another set of topics such as recoding, visual binning, ranking and graph building.She also explained these topics with the help of a sample data set, which attracted the attention of the participants.

In the last session, Ms Shilpa L. , research scholar of St Gregorios College Kottarakara mainly deal with the topic relating to inferential statistics t- tests.In this session she explained the t- tests and its types like one sample t test, independent sample t test,paired sample t test etc. participants were trained to calculate the t test using a sample data set. This increased their confidence in using SPSS for data analysis.

Conclusion

The hands on training on skill development using SPSS was a success in achieving its objectives and also received positive feedback from the participants. The training demonstrated the effectiveness of hands on training in developing practical skills in data analysis and interpretation using SPSS. At the end of the training program relevant and useful materials are also shared with the participants.