POSTGRADUATE DEPARTMENT OF COMMERCE
NAM COLLEGE KALLIKKANDY

Add on Course

DATA ANALYSIS with SPSS

Class Commence on
11-01-2023

For more details

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POSTGRADUATE DEPARTMENT OF COMMERCE
NAM COLLEGE KALLIKKANDY

Add-On Programme in Data Analysis with SPSS Software 23
2022-2023 Academic Year

Course Coordinators Contacts:

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Curriculum

IBM SPSS® Statistics is a widely used powerful statistical software platform. It delivers a robust set of features that lets the organization extract actionable insights from its data. With SPSS Statistics we can analyze and better understand the data, and solve complex business and research problems through a user-friendly interface. It also helps understand large and complex data sets with advanced statistical procedures that help ensure high accuracy and quality decision-making.

The Add-On course now offered by the department is envisaged as a training programme to equip the students of commerce with the knowledge that is necessary for analyzing the data related with business and research problems. The course is meant to the students having basic knowledge in statistics and research methodologies

Aims and objectives:

1. To familiarize candidates with SPSS data entry.
2. To familiarize the circumstances under which various statistical tools used for analysis
3. To train them in analyzing the data using various statistical tools
4. Helping students to interpret and explain various statistical results.

Learning Outcome

1. An ability to use SPSS Software for data analysis
2. An ability to identify appropriate statistical tools for hypothesis testing
3. To analyze the data for statistical and research purpose through SPSS.
4. Recognition of the need for, and an ability to engage in life-long learning.

Course Syllabus

Module I

Introduction to SPSS: - Variable view, measurement and scaling- concept, construct, Variables, Measurement, types of scales- nominal, ordinal, interval and ratio, scaling technique. Data coding   (4 Hour)

Module II

Entering Data, Entering multiple tick, Entering of ranking questions, Sort case, Select case, Data Manipulation- Compute, Recording into same variable, Recording into different variable   (6 Hour)

Module III

Reliability Analysis, Factor Analysis, Test for Normality, Homogeneity, Box plot feature, Graphical presentation.   (6 Hour)

Module III

Statistical data analysis:- Descriptive Statistics and Inferential Statistics, Frequency analysis, Measures of Central tendency, Measures of dispersion, Measures of Distribution, Correlation- Bivariate, Partial, Regression, Multiple regression.   (8 Hour)

Module IV

Chi-Square, One Sample T Test, Independent Sample T- Test, Paired 'T' Test, One Way-ANOVA

(6 Hour)

Evaluation
At the end of the course there will be a practical test and Viva Voce as prescribed by the professor in charge of the course. Students will be graded according to their performance.

Course Schedule
The course is planned to be commenced on the 11 January 2021. The course involves six lecture sessions and 24 practical sessions. The classes and training will be completed in crash mode. The detailed schedule will be available on the day of commencement of the course. There will be a practical examination at the end of the Course; Certificates will be issued by the College.