

**A.K.Dasgupta Centre for Planning and
Development**

Visva-Bharati

Organizes

20th National Level

Ten-Day Faculty Development Programme

In Collaboration with

**Department of Agricultural Statistics
Institute of Agriculture, Palli Siksha Bhavana
Visva-Bharati**

On

**Research Methods & Data Analysis Using
SPSS & "R"**

22nd February-3rd March, 2021

The Centre invites applications from research scholars, faculty members of colleges and universities, management executives who wish to enhance their knowledge on Data Analysis and different statistical tools used in Research.

This will help them address the challenges and opportunities in the field of research in a correct and meaningful way. There are several software's designed for the said purpose. SPSS is one of the most popular software used by the researchers as SPSS is menu driven and very easy to follow. Another popular software being in demand is "R" which enables researchers to implement a wide variety of statistical and graphical techniques, including linear and nonlinear modeling, classical statistical tests, time series analysis and cluster analysis etc.

This 10-day Programme is designed to familiarize academicians, practitioners and researchers with the statistical research tools and techniques, with special focus on the Software "R" and SPSS. This will augment the skill of the participants to use "R" & SPSS and enhance the horizon of their research work. The knowledge of modern techniques applied to research are imperative for quality work and this workshop aims to give a comprehensive insight on those and enable researchers and academicians to apply those techniques rightly.

Applicants have to mail their soft copies of application mentioning their present status on or before 10th February, 2021. Applicants should mention their contact address, telephone number, e-mail address and institutional affiliation. The application to be addressed to Prof. Debasis Bhattacharya, Chair Professor, A.K.Dasgupta Centre for Planning & Development, Visva-Bharati. Application must reach vbplanning46@gmail.com within due date. Registration fee: Rs.1500/- per participant. Registration Fee to be paid online. Details of payment will be provided after selection. The participation in the programme will be on first come first serve basis.

Course Outline

- Module 1: R Programming Language: Introduction to R and R Studio, Factor in R: Categorical & Continuous Variables
- Module 2: R Data Frame: Create, Append, Select, Subset, List in R: Select elements
- Module 3: Data Manipulation [Join] & Cleaning [Spread], Factor in R: Categorical & Continuous Variables
- Module 4: Classification and Cluster analysis, Factor Analysis, Discriminant Analysis, Parametric and Non-Parametric tests.
- Module 5: Multiple Regression, ANOVA, Principal Component Analysis

SPSS Course Overview

- Module 6 Software introduction and data input & Descriptive Analytics, Correlation & Regression (including Multiple Lin. Reg]
- Module 7 ANOVA: One-way & Two-way data & Repeated measures data/Factorial Analysis, Testing of Hypothesis, Normality Test
- Module 8 Inference for Non-normal data: Non- Parametric methods
- Module 9 Classification, Logistic Regression,
- Module 10 Multivariate Analysis: Principle Component Analysis, Factor Analysis, Clustering, etc.

Important Dates

Last Date for receiving application: 18th February, 2021

Letter of Acceptance: 19th February, 2021

Email for Correspondence: vbplanning46@gmail.com

For Assistance: Call to Sri Daya Shankar Kushwaha, Ph-9474644413/9475983934

Visit website for other information <https://akdcentrevivabharati.org>

Ten-Day Faculty Development Programme

Application Form

Name

Address

Designation

Occupation

Institution
Affiliation

Ph. No.

Email

Basic
knowledge on
'R' /SPSS

Yes/No

Signature of the applicant

