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Location and Climate:

Visva-Bharati is located in a rural setting of West Bengal. It is about 160 km. away by road from Kolkata. The nearest railway station is Bolpur (Santiniketan) on the Eastern Railway and the air terminal is in Kolkata. The University campus is about 5 km. from the railway station. Santiniketan can be reached in a little over two hours from Kolkata by train by covering about 146 km. The weather in February remains moderate and the temperature ranges between 15°C and 20°C.

Registration:

Please click on the following link or scan QR code for Registration and payment detail:

<https://forms.gle/aN18mtWjxSVG3HQ68>



Last date of Registration: - 12th February, 2024

Registration fees will cover the National Workshop kit, Tea, light refreshment and working lunch only. Candidates must bring their own laptop in the National Workshop and a free trial version of relevant software will be loaded by us on their laptop.

There are limited numbers (30) seats only



VISVA-BHARATI

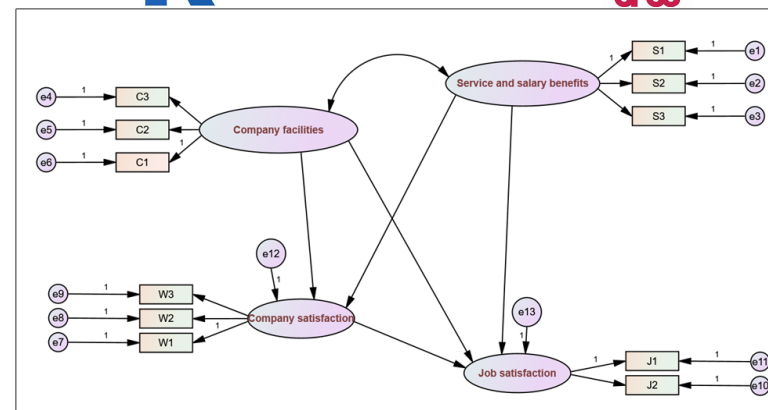
A Central University & An Institution
of National Importance

First Announcement

A **Two-Week National Workshop on**
**"Statistical techniques and practices for Applied
Statisticians and Data Scientists"**

(Use of SPSS, R, AMOS special emphasis on SEM)

February 15-28, 2024



Organized by

Department of Agricultural Statistics

Institute of Agriculture
(Palli Siksha Bhavana), Visva-Bharati, Sriniketan,
West Bengal 731236

For updates, please visit
www.visva-bharati.ac.in
www.psbvb.in

Topics:

- ✓ Research Methodology: An Introduction, Starting of SPSS, R and AMOS
- ✓ Exploratory data analysis
- ✓ Parametric and Non-parametric tests
- ✓ Correlation and Linear Regression, One-way ANOVA
- ✓ Classification Tree, Discriminant Analysis-Case Studies
- ✓ Principal Component Analysis (PCA), Factor Analysis & Cluster Analysis-Case Studies
- ✓ Analysis of Time Series data
- ✓ Introduction to SEM
- ✓ Difference between co-variance based and variance-based SEM
- ✓ Testing of Statistical assumptions and addressing Common method bias
- ✓ Exploratory Factor Analysis (EFA), Confirmatory Factor Analysis (CFA), Measurement Model Assessment, Discussing Fit Indices
- ✓ Reliability and Validity Testing
- ✓ Review of the Day-Exercises, Evaluation & Feedback

About National Workshop:

The National Workshop on **“Statistical techniques and practices for Applied Statisticians and Data Scientists”** has been contemplated to improve the research skills of the researchers. The National Workshop is designed to provide an interactive platform of the faculty members, scientists, and practitioners of Statistics to enhance their understanding of Research Methodology and Statistical Techniques used for analyzing data out of different real-life experiments with the help of Statistical Packages SPSS, R and AMOS.

It is an attempt to enrich the participants on Structural Equation Modeling (SEM). SEM is a multivariate statistical analysis technique that is used to analyze structural relationships between measured and latent variables. The programme will discuss the various types of SEM such as Confirmatory Factor Analysis, Path Analysis, and Partial Least Squares Modeling. Each of these will help to build relationship between variables. The programme will provide theoretical knowledge as well as hands on learning.

About Visva-Bharati:

Visva-Bharati, as per the Act of Parliament of 1951, has the President of India as the Paridarsaka (Visitor) and the Governor of West Bengal as the Pradhana (Rector). The President of India appoints the Acharya (Chancellor) and the Upacharya (Vice-Chancellor) of the University. The Act of 1951, with certain amendments made by Parliament thereafter, and the Statutes of Visva-Bharati constitute the basis of the powers and functions of the university and its constituent authorities. The chief decision-making bodies of the university are the Samsad (Court), the Karma Samiti (Executive Council), the Siksha Samiti (Academic Council), the Artha Samiti (Finance Committee), and the various Institute Boards and Patha Samitis (Boards of Studies).

