

FDP



3rd March to 7th March 2025

SRI KRISHNA ARTS AND SCIENCE COLLEGE
COIMBATORE-641008
(An Autonomous Institution)
Affiliated to Bharathiar University, Coimbatore
Accredited by NAAC with 'A' Grade



Department of Commerce IT & E-Commerce
Organizes

A FIVE-DAY VIRTUAL FDP ON DATA ANALYSIS
IN SOCIAL SCIENCE RESEARCH USING JAMOVI

3rd March to 7th March 2025



Dr. S. Sudalaimuthu
Department of Banking Technology
Pondicherry Central University
Puducherry



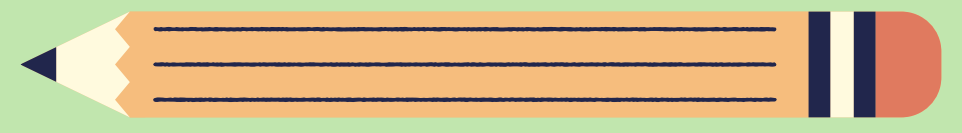
6:00PM to 8:00PM



Google Meet



MODULES OF FDP



03/03/2025

Day 1: Introduction to JAMOVl and Descriptive Statistics

- Overview of JAMOVl: Features and Benefits
- Installation and Interface Overview
- Importing Data into JAMOVl
- Understanding Descriptive Statistics (Mean, Median, Mode, Standard Deviation, Variance)
- Visualizing Data: Histograms, Boxplots, and Bar charts

04/03/2025

Day 2: Hypothesis Testing – t-test & ANOVA

- Concept of Hypothesis Testing
- t-test (Independent & Paired Samples t-test)
- ANOVA (One-Way & Two-Way Analysis of Variance)
- Post-hoc Tests: Tukey, Bonferroni
- Interpreting results with effect size and p-values

05/03/2025

Day 3: Chi-Square Test and Correlation Analysis

- Concept of Chi-square test
- Applications in categorical data analysis
- Understanding correlation analysis (Pearson, Spearman, Kendall)
- Interpreting correlation coefficients and scatter plots

06/03/2025

Day 4: Regression Analysis and Factor Analysis

- Basics of Regression Analysis (Simple & Multiple Regression)
- Understanding assumptions and model diagnostics
- Introduction to Factor Analysis (PCA & EFA)
- Choosing the right number of factors (Eigenvalues & Scree Plot)

07/03/2025

Day 5: Structural Equation Modeling (SEM) Using JAMOVl

- Introduction to Structural Equation Modeling (SEM)
- Path Analysis & Model Fit Indices (CFI, RMSEA, SRMR)
- Basics of Confirmatory Factor Analysis (CFA)

Guidelines

- Participants are requested to join the session 10 minutes before it starts.
- A registration fee of ₹200 per participant is mandatory for enrollment.
- Attendance is compulsory for all sessions & a feedback link will be provided at the end of each session for your valuable input.
- The participants will receive the digital copy of the certificates within a week.
- Participants are requested to join the designated WhatsApp group during the online registration in order to receive the session links and other important communications.

Registration link–Please fill out the registration form using the link below:

<https://forms.gle/56BAV3TuVqQD9CmWA>

Payment Details

Account Name: Sri Krishna Arts and Science College
Account Number: 31128406279
IFSC Code: SBIN0012245
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CONVENOR

Dr. N. Sivakumar

Head, Department of Commerce IT & E-Com

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