

30 SEATS
30 HOURS

WORKSHOP

SPSS AND ITS APPLICATIONS

Target Population: Researchers, Masters Students, Teachers.

Dr. Justine K James

**Assistant Professor
Department of Psychology
University College
Thiruvananthapuram**

Organised by

Nodal Office

CHRIST (Deemed to be University)
A.I.R Road, Vazhuthakkadu
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**EVERY SATURDAY FROM
JAN 30, 2021
6.00PM-8.00PM IST**

Certificate : After completion of both Synchronous and Asynchronous Sessions e certificate will be issued by the Nodal Office.

REGISTRATION

**AFTER REGISTRATIONS CANDIDATES WOULD BE SENT THE FEE PAYMENT LINK,
UPON PAYMENT THE CANDIDATE CAN JOIN THE WORKSHOP.**

<https://forms.gle/QzbrkKKh4ix9MYyU9>

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CHRIST
(DEEMED TO BE UNIVERSITY)
NODAL OFFICE, TRIVANDRUM

SESSIONS INCLUDE

SESSION 1

Theory: Basic concepts in statistics, Measurement and Levels of measurements,
Training: Getting familiarised with SPSS.

SESSION 2

Training: Data entry: Methods and guidelines , Training: Data manipulation: Editing, Splitting, Selecting, Merging etc.

SESSION 3

Theory: Descriptive statistics (Basic concepts), Training: Descriptive statistics (Procedures in SPSS) ,
Training: Graphical presentation of Data.

SESSION 4

Theory: Inferential statistics, Level of significance, df, Type I and Type II error, Normal Curve ,
Fundamentals of z distribution, Training: Testing distribution characteristics of the data (Normal distribution).

SESSION 5

Theory: Correlation analysis and Chi-square test (Basic concepts, Types and assumptions),
Training: Procedure, Assumptions, Interpretation.

SESSION 6

Theory: Linear Regression (Basic concepts, Types and assumptions), Training: Procedure,
Assumptions, Interpretation.

SESSION 7

Theory: t test (Basic concepts, Types and assumptions),
Training: One sample test (Procedure, Assumptions, Interpretation).

SESSION 8

Training: Independent sample t test (Procedure, Assumptions),
Training: Paired sample t test (Procedure, Assumptions, Interpretation).

SESSION 9

Theory: Basic concepts (Procedure, Types and Assumptions),
Training: One way ANOVA, Factorial ANOVA (Procedure and interpretation).

SESSION 10

Theory: MANOVA (Procedure, Assumptions), Training: Procedure and Interpretation.

SESSION 11

Theory: RM ANOVA (Procedure, Assumptions), Training: Procedure and Interpretation.

SESSION 12

Theory: Identifying statistics based on the hypothesis and nature of the variables.

6 sessions on asynchronous mode

Training: Based on specific needs of the students

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