PRIMAX FOUNDATION

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NITI AAYOG Reg. No. : KA/2022/0318909
Bengaluru, Karnataka, India

In Association with

ST. JOSEPH'S COLLEGE OF ARTS AND SCIENCE FOR WOMEN

(Affiliated to Periyar University, Salem)
Mookandapalli, SIPCOT, Hosur, Krishnagiri, Tamil Nadu, India

5 Day – Hands on Virtual FDP
on
Data Analysis Using JASP

24-04-2023
to
28-04-2023

7.00 PM
to
9.00 PM

For Registration

CLICK HERE

Registration Fee
INR 1,000/-
USD 50

Introduction about JASP

JASP (Jeffreys's Amazing Statistics Program) is a user friendly for conducting a wide range of statistical analyses, including Bayesian and frequentist methods. JASP is designed to be accessible to both novice and experienced users. It offers a range of features including data manipulation, descriptive statistics, data visualization, and hypothesis testing. JASP also provides support for advanced analyses such as Bayesian model selection multilevel modelling and structural equation modelling. It is designed to be easy to use, and familiar to users of SPSS. It offers standard analysis procedures in both their classical and Bayesian form. It has a simple drag and drop interface, easy access menus, intuitive analysis with real – time computation, and a display of all results. The JASP application is written in C++ and QML, using the QT toolkit. The analysis themselves are written in R and use many packages from CRAN. It requires substantially fewer clicks to do anything JASP compared to SPSS.

Objectives of the FDP

- To acquire basic knowledge about JASP
- To train the participants in access data from various domain
- To help the participants in descriptive and inferential analysis
- To have hands on experience in statistical tools
- To have confidence as independent data analyst

What can you expect in the workshop

Of course, we start with JASP environment, data types, and its objects. Create and Import data sets from other statistical Packages. Sub setting and Combining data sets. Data Handling and its analysis in easy way. Data Analysis: Preliminary data visualizations including histograms, boxplots, density plots, stem and leaf plot etc., Summary Statistics, Parametric and Nonparametric tests, Simple and Multiple Linear Regression, Structural Equation Models and Factor Analysis. This workshop aims to provide simple and exhaustive coverage on data analysis through interactive and practice sessions along with statistical theory. Training sessions are well designed and structured to cover the topics outlined in the program. The topics have been so chosen that the intricacy of research methods to data analysis may be understood by even those participants who do not have any initial background of statistics. Sample data sets to analyse will be provided to handle JASP and its applications and to gain confidence to handle their respective data while conducting researches in their respective subject domains.

Who can participate?

Academicians, Researchers, PG Students & Corporates

Resource Person

Dr. M. Ramakrishan
Associate Professor,
P.G & Research Dept. of Mathematics
RKM Vivekananda College, Chennai, Tamil Nadu.

He has done his Ph.D in Mathematics-Statistics from the University of Madras under the Guidance of Dr.R.Ravanan. He has twenty-nine years of teaching experience in mathematics. His Specializations are mathematical statics, Ordinary Differential Equations and Partial Differential Equations. His Research area is Survival Analysis. He has expertise in handling software SPSS, STATA, R Programming, WINBUGS, EXCEL and SCILAB. Handled nearly more than 170 workshops all over India in SPSS and R Software from 2013 until now. Particularly, delivered lectures in many FDP, R workshop in VIT, Venkateswara University, University of Madras, Manonmaniam University, Periyar University, Bharathidasan University, Aligarh Muslim University, Pondicherry University, Annamalai University, Colleges, Research Institute, Anna Institute of Management, DIET, NIFT, NITTTR, ISAR, SCITECH, PRIMAX FOUNDATION etc.,

JASP SYLLABUS

Content	Date & Timing
Statistical Concepts and its Application: Population and Sample, Parameter and Statistics, Measures of Central tendency, Types of Sampling, Types of Research, Measurement and scaling, Types of Data, Data Preparation	**Day-1** 24-04-2023 7.00 PM to 9.00 PM
Creating data sets: Introduction and Procedure of Installation of JASP **Why use JASP?** Understanding a data set, Data Structure, Create and Import data sets. Basic Data Management. Stages in Data Analysis, Simple data analysis – Descriptive Statistics, Getting started with graphs: Working with graphs, Graphical parameters, importing graphs into word file	**Day-2** 25-04-2023 7.00 PM to 9.00 PM
Inferential Analysis using Parametric Test: Test for Normality, Degrees of Freedom, t-test for single mean, Independent t-test, Paired t-test, One Way and Two Way ANOVA with Duncan test with output interpretation, ANCOVA	**Day-3** 26-04-2023 7.00 PM to 9.00 PM
Inferential Analysis with Nonparametric test: Wilcoxon, Wilcoxon independent test, Wilcoxon Signed Rank test, Kruskal-Wallis, Friedman Test with repeated Measures, Chi-square test for goodness of fit and Chi-square test for Independence.	**Day-4** 27-04-2023 7.00 PM to 9.00 PM
Correlation & Regression : Simple and Multiple Linear Regression: Estimation and interpretation of Regression Coefficients, Multiple and Adjusted R Square Value, F-test, Residuals, Predicting the values, Regression Diagnostics, Selecting the best models, Normality test, Independence, Linearity, Homoscedasticity, Durbin Watson Test, Multicollinearity, Correlation	**Day-5** 28-04-2023 7.00 PM to 9.00 PM

Note: JASP is open source, free to use and a powerful alternative to IBM -SPSS, AMOS, SMART-PLS and Many more. All your statistics solution at one place.

Key Information

Duration : 5 days (**24-04-2023 to 28-04-2023**)

Timings : 7 PM to 9 PM

Registration fees : Rs.1,000 for participants from India and 50 US $ for participants from outside India

Note:

- Only 50 seats are available, therefore registration shall be made on first come first serve basis.
- Recorded session link will be provided (Only View Option Max. Five Days)
- All participants will receive 'Certificate of Participation' after successful completion of the program
- Demo/Students – JASP Trial version software will be provided to the registered participants.
- Registration fee can be done through NEFT/IMPS Transaction or Paytm only.

Patron

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Happiness comes from giving happiness…