

Three Days National Workshop on Statistical and Exploratory Data Analysis using Jamovi

(A Free, Open-Source and Menu Driven Statistical
Software built on R Programming)

29 – 31 May, 2023 (Offline Mode)



jamovi Stats.
Open.
Now.



Information and Library Network Centre
Gandhinagar, Gujarat

About INFLIBNET

The Information and Library Network (INFLIBNET) Centre is an autonomous Inter-University Centre (IUC) of the University Grants Commission (UGC) located in the Infocity, Gandhinagar. Major activities and services of the Centre are geared towards modernization of academic libraries and information centres, promotion of information transfer and access, support scholarship, learning and academic pursuits. The Centre acts as a nodal agency for networking of libraries and information centres in universities, institutions of higher learning and R & D institutions in India. The Centre was established as an independent autonomous Inter-University Centre of the UGC in May 1996 and set out to be a major player for promoting scholarly communication among academicians and researchers across the country. With technology being a driving force in the contemporary education system, the INFLIBNET Centre has taken up a number of initiatives for the benefit of the academic community in India.

Objectives of the workshop

The significance of Data and its effective analysis is unavoidable to have a good piece of research and to make a fruitful decision. From students to scholars, individual researchers to research institutes throughout the world come across this data analysis part to carry out their research. Statistics and statistical analysis play a crucial role in research and analyzing data. The aim of this workshop is to provide hands on training in understanding the concepts in data science and statistical analysis using Jamovi.

The Jamovi is a free and open statistical software to bridge the gap between researcher and statistician. It provides Graphical User Interface for R Programming which is one of the most widely used open-source statistical package in the field of Data Science across the world. It is a compelling alternative to costly statistical products such as SPSS, Stata and SAS, etc.

This workshop will help the participants in applying proper research methodology and improving their analysis by applying various statistical techniques using Jamovi.

At the end of the workshop, participants should be able to:

- Get familiar with Jamovi: A free GUI for R Programming
- Understand statistical analysis using Jamovi
- Explore how to analyze research data using Jamovi
- Explore how to represent data using basic graphs using Jamovi

Major Topics

- ❖ The scope of workshop is to cover theoretical discussion and practical exposure on the following aspects of statistical analysis using Jamovi (A GUI for R Programming)
- ❖ Introduction to R, RStudio and Jamovi

- ❖ Importing and handling data
- ❖ Data Visualization (Histograms, Box plots, Density plots, Dot plots, Bar plots, etc.)
- ❖ Descriptive Statistics (Summary Measures)
- ❖ Hypothesis Testing – I (Parametric)
- ❖ Hypothesis Testing – II (Non-Parametric)
- ❖ Analysis of Variance (One-way ANOVA, Two-way ANOVA)
- ❖ Correlation Analysis
- ❖ Simple and Multiple Linear Regression Analysis
- ❖ Reproducible Research in Open Science Framework using Jamovi

Resource Persons

The resource persons are prominent statisticians / scientists / professors / researchers / scholars in the field of statistics and data science across the country. They have an extensive experience with the application of statistical analysis in a research evaluation.

Target Participants

Academicians, Faculty, Current and Prospective Research Scholars, PG Students and UG Students from all disciplines. A maximum of 25-30 candidates will be selected for the training programme on First-Come-First-Serve basis.

Duration

Three days (29-31 May 2023)

Venue

The Workshop will be conducted in Offline Mode at Information and Library Network Centre, Infocity, Gandhinagar-382007, Gujarat, India.

Workshop Fee

The registration fee is Rs. 3,540.00 (Rupees Three Thousand Five Hundred Forty only) per person without accommodation and Rs. 5,900.00 (Rupees Five Thousand Nine Hundred Only) with accommodation which is inclusive of GST rates. It covers the cost of training programme kit containing training materials and lunch during the training period. The payment should be made through Demand Draft in favour of INFLIBNET Centre payable at Gandhinagar along with filled-in registration form. Fee is non-refundable and non-adjustable. The Centre also accepts payment by NEFT /RTGS for the workshop. The bank account details will be shared on request.

Accommodation

The Centre will arrange accommodation including breakfast and dinner during the period of training at INFLIBNET Guest House (A/C Room) on twin sharing basis. The participants must send prior intimation and charges for accommodation along with registration fees. The accommodation will be provided first come first basis.

Registration

The application for registration to the training programme should be submitted online at <https://hrd.inflibnet.ac.in/login.php> on or before **15th May 2023**. The absence during the workshop will be considered as discontinuation of participation.

How to Reach

Road Routes: Gandhinagar is connected to Surat, Mumbai, and Navi Mumbai through National Highway 8A. It is connected to Ahmedabad, Jaipur, Udaipur, New Delhi & Chandigarh through the National Highway 8C.

Air Connectivity: The nearest airport is Sardar Vallabhbhai Patel International Airport, Ahmedabad located at a distance of 15KM from Domestic flights are available for the Metropolitans and other major cities of India. It also provides many International flights from Ahmedabad to across the world.

Rail Connectivity: The nearest Railway Station is Ahmedabad Railway Station (Known as Kalupur) which is well connected to all metropolitans and other major cities of India. The Ahmedabad Railway station is located at a distance of 23 Km from the INFLIBNET Centre, Gandhinagar.



For further information please contact

Course Director	Course Co-ordinators	
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