

National Level Online Workshop
Titled
“7 Day Workshop on R for Data Science”
(24thJune - 30thJune, 2022)



Organised by



Department of Statistics
Srikishan Sardar College, Hailakandi

In Collaboration with



Department of Statistics
Assam University, Silchar

About the Workshop

In this era, research in any discipline requires to be validated empirically so along with the qualitative approach the requirement of quantitative analysis has become almost mandatory. Most research these days calls for data analysis, for which knowledge of computational packages are necessary. The age of highly expensive statistical packages are gone as now several freeware are available in the internet for exploring numerical information and to extract the facts, trends and patterns hidden behind the figures. In this connection one of the most popular and useful language of data analysis is ‘R’. It is a Free and Open Source Software- a well organized and sophisticated package- that facilitates data analysis, graphical techniques, linear and nonlinear modelling, inferential testing (both Parametric and Non-parametric) and forecasting which is supported by the R Foundation for Statistical computing. The R language is widely used among researchers in Science/social-science and Humanities for data analysis and for statistical modelling. It is a user-friendly software that allows creating of new function commands to solve statistical problems. It runs on a variety of UNIX platforms, Windows and Mac OS X. The cross-platform compatibility of R and its capacity to handle large and complex data sets makes it an ideal tool for academicians to analyze data in their labs. Also, it is useful for anybody who wishes to undertake extensive statistical computations and data visualization. ‘R’ also allows to develop custom Artificial Intelligence Apps to deploy within your own organization.

This “7 Day Workshop on R for Data Science” is designed to orient Faculty members, Researchers and students in data analysis and programming from medium to advanced level. This workshop will be an avenue of imparting knowledge through R programming in the field of Statistics.

Objectives of the Workshop

Expecting the interest of the participants in Statistics, this programme will flash the light on the application of ‘R’ Programme on basic to advanced statistics. So the objectives of the training cum workshop are not limited to:

- Data management in ‘R’ and ‘R’ coding.
- Application of ‘R’ to draw statistical graphs and diagrams.
- Descriptive statistics. Correlation coefficient, Regression Coefficients and Lines of Regression in ‘R’.
- Import data, code editing and data cleaning.
- Random number generation and sampling procedure using ‘R’.
- ANOVA both one way and two way.
- Test of Significance (Parametric and Non-parametric), Compute p -values and confidence intervals.
- Fitting of distribution (Binomial, Poisson and Normal distribution) using ‘R’.

Mode of participation in the workshop cum training programme/ Venue

The organizing committee and the Department of Statistics, S. S. College, Hailakandi are interested to organise the programme through **VIRTUAL MODE** to cover the wide area of participation from 24th June, 2022 to 30th June, 2022.

Who Can Participate

Teachers, Faculties, Research scholars and students, those who are interested in data analysis with 'R' can join this workshop.

Registration Details

To meet the required expenditure of the workshop, organizing committee has decided the registration fees as follows –

- Teachers/ Faculties: Rs. 700.00
- Research Scholars: Rs. 500.00
- Students: Rs. 300.00
- All the participants are requested to register online by visiting the below link on or before 21st June, 2022.

Registration link:

https://docs.google.com/forms/d/e/1FAIpQLSfu0IcbitG659n8PdVTUEYRjirQj4oA8sQ42e9OBGPE7U3aCw/viewform?usp=pp_url

First make necessary payment of the registration fees. Take a screenshot of the transaction details and then fill up the registration form by clicking the above link.

You will be asked for uploading the screenshot of the transaction while filling up the registration form.

Payment Process

Participants are required to make the prescribed payment either by (NEFT/UPI/IMPS) to the below mentioned account & keep the screenshot of their payment that will be needed during the process of online registration.

Account Name: **DEPARTMENT OF STATISTICS**
Account Number: **503610210000012**
Bank: **BANK OF INDIA**
Branch: **HAILAKANDI**
IFSC **BKID0005036**
MICR Code: 788013202

Certification

On successful completion of workshop, e-certificate will be provided to the participants.

Contact Details

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Organizing secretary
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Organizing Committee

Chief Patron

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Vice Chancellor, Assam University, Silchar

Patron

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Dr. Subha Gaurab Roy
Department of Physics, S. S. College, Hailakandi

Important Dates

Date of Registration: On or before 21st June, 2022

Date of workshop: 24th June, 2022 to 30th June, 2022

Tentative Time: 5.30 pm to 8.30 pm
