

## Targeted Participants

Junior level Faculties, Research Scholars, PG students (including Medical PG students) and other Academicians.

## Course fee and Registration

Faculty: Rs.1500/-  
Students: Rs. 1000/-

## Register at



or click on the link below

<https://forms.gle/SX3tNmQSX3YWYtnUA>

**LAST DATE OF REGISTRATION: 17/04/2024**

## Contact Details:

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## SCHEDULE

**Date:** 19-20 April 2024 (Two days)

**Time:** 10:00 am to 04:00 pm

**Venue:** Department of Demography,  
University of Kerala, Kariavattom,  
Thiruvananthapuram

## ABOUT THE WORKSHOP

### Day 1

Concept of hypothesis tests to rule out chance findings while generalising sample-based findings will be discussed first. Meanings of alpha error, beta error, power, and P values will be illustrated. Different tests to compare group means with the necessary data requirements and assumptions will be explained. Microsoft Excel and Jamovi (a free open source) software will be used to demonstrate the tests and interpretation of the results.

### Day 2

Difference between Correlation and Regression approaches followed by Linear Regression and Logistic Regression models will be covered. Meaning of adjusted relationships, goodness of fit with statistical tests for model coefficients will also be discussed. How to use these models for prediction purposes will be demonstrated using Jamovi.



**Demography and Health Research  
Centre (DHRC)**

In collaboration with

**Department of Demography  
University of Kerala**

Training Workshop (offline) on

# HYPOTHESIS TESTING AND REGRESSION ANALYSIS

**RESOURCE PERSON**

**DR P. SANKARA SARMA  
(PROFESSOR, SCTIMST)**

