

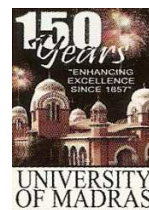


**DEPARTMENT OF ADULT AND CONTINUING EDUCATION**

SCHOOL OF SOCIAL SCIENCES

**UNIVERSITY OF MADRAS**

Chepauk Campus, Chennai – 600 005



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Cordially invite you to participate in the workshop on  
**“DATA ANALYSIS IN SOCIAL SCIENCE RESEARCH USING “R”**  
to be held at the **Department of Adult and Continuing Education**  
**on 15<sup>th</sup> March 2019 (Friday)**

**The aim of this workshop** is to provide hands on training in understanding the concepts in data science and statistical analysis using R programming which is one of the most widely used open source package in the field of Data Science across the world. This workshop will help the participants in applying proper research methodology and improving their analysis by applying various statistical techniques using R programming. At the end of the workshop the participant will be able to learn the following: (i) Get familiar with R programming language; (ii) Understand statistical analysis using R programming; (iii) Explore how to analyze research data using R programming; (iv) Explore how to represent data using basic graphs in R; (v) Explore the cause and effect study using R.

**Major Topics Covered :** The Scope of workshop is to cover theoretical discussion and practical exposure on the following aspects of statistical analysis using R : • Introduction to R; • Data types in R; • Importing and handling data in R; • Exploratory Data Analysis using R (Data Visualization); • Descriptive Statistics (summary Measures) using R; • Hypothesis Testing – I (Parametric); • Analysis of Variance (One way ANOVA, Two way ANOVA); • Correlation, Simple and Multiple Linear Regression Analysis.

**M.Phil/Ph.D Scholars are invited to participate in the workshop and send a confirmation letter to the Workshop Director through your Head of the Department / Supervisor on or before 11.03.2019.**

**Dr. N.NAGARAJAN, Ph.D.,**  
Professor & Head  
Dept. of Adult & Continuing Education  
University of Madras

**Dr. V.P. MATHESWARAN, Ph.D.,**  
Workshop Director  
9444029982  
drvpmeducation@gmail.com