

Masterclass: **R PROGRAMMING**

INTRODUCTION

In this Masterclass, students will learn how to programme in R and how to use R for effective data analysis. Students will learn how to install and configure the software necessary for a statistical programming environment, and discuss generic programming language concepts as they are implemented in a high-level statistical language. The Masterclass covers practical issues in statistical computing, which include programming in R, reading data into R, accessing R packages, writing R functions, debugging, and organising and commenting R code. Topics in statistical data analysis and optimisation are covered with working examples.

COURSE-LEARNING OUTCOMES (CLO)

- Acquire the knowledge of R Programming
- Select and utilise R packages and techniques to organise and visualise data
- Develop the programme that performs the application integration

WHO CAN ATTEND THIS MASTERCLASS?

This is open to all diploma students.

CERTIFICATION

Certificate of Completion in Masterclass R Programming.

COURSE OUTLINE

1. Introduction to R Programming
2. R – Environment Setup
3. R – Data Types
4. R – Operator
5. R – Decision Making
6. R – Vectors, Lists, Matrices
7. R – Function

