Department of Statistics and Business Analytics

Statistical Consulting Unit

Workshops/Training courses

Title: Multi-response Data Analysis Using Envelope Regression Model

Statistical Software: R

Requirements: Familiarity with R Statistical Software and Regression Methods and interest in conducting multi-response regression.

Instructor: Dr. Subhadip Pal

Target Group: Students and any other professionals including the research scientists working in various applied research who use statistical methodology such as regression.

Date: 27 Jan.-2 Feb., 2025

Period: 2 days, 4 hours/session, 8 hours total

Platform: Face-to-face Meeting

Inclusive of Scientific Materials: PowerPoint Slide Presentation and E-Certificate.

Description:

The short course plans to introduce the multi-response regression model and the challenges in analyzing such data. Thereafter, it introduces the basic concepts of Envelope regression in the `efficient estimation' of regression coefficients. Finally, several datasets appear from various fields of studies to demonstrate the corresponding computation procedure while measuring the efficiency gain over the standard multi-response model.

Topics Covered:

Day 1

- Basics of Multi-response Regression, and R basics.
- Envelope Regression and application to datasets.

Day 2

- Different variants of Envelope models and Applications.

Workshop Fee: AED 1,000

Contact US: statconsult@uaeu.ac.ae

*20% off for UAEU students