

Statistical Consulting Unit

Workshops/Training courses

Spring 2024 Workshop #7

Title: Introduction to R Programming for Medical Researchers

Statistical Software: R-Statistical Software

Requirements: No prior programming experience is required for beginners. Participants should have a laptop with R and RStudio installed.

Instructor: Dr. Zardad Khan

Target Group: This workshop is ideal for both new and experienced medical researchers, scientists, and professionals seeking to harness the power of R for data-driven medical research and decision-making.

Date: 29 Jan., 2024 – 11 Feb., 2024

Period: (12 Hours), 3 days, 4 hours/day

Platform: Face-to-face Meeting

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

Description:

Embark on a transformative journey into the world of medical research with our comprehensive 4-day workshop on R programming. Designed for both novice and experienced medical researchers, this hands-on course will equip you with essential skills in data analysis, statistical modeling, and data visualization using the R programming language.

Topics Covered:

Day 1: Introduction to R and Data Import

- Get started with the basics of R programming.
- Learn how to import and manage medical data efficiently.
- Hands-on exercises for newcomers to R.

Day 2: Data Cleaning and Transformation

- Dive into data cleaning and preprocessing techniques.
- Discover how to handle missing data.
- Perform data transformations for medical research.

Day 3: Statistical Analysis in R

- Gain insights into statistical analysis with R.
- Perform hypothesis testing for medical datasets.

- Interpret statistical results for medical research.
- Create compelling data visualizations for medical presentations.
- Learn to generate graphs and plots in R.
- Develop skills for reporting and sharing medical research findings.

Workshop Fee: 1500 AED

Contact US: statconsult@uaeu.ac.ae

*20% off for UAEU students