R Programming Workshop

The Department of Statistics at the Faculty of Science recently organized a comprehensive four-day training workshop for master's students titled "Introduction to R Programming," which began on Monday, October 17, 2024. Presented by Dr. Ayat Almomani and Dr. Ayman Alrawashdeh, this workshop focuses on R, an advanced programming language that is widely recognized for its powerful capabilities in data analysis and statistical graphics creation. Proficiency in R is vital for statistics students, as it serves as an essential tool for their coursework, assignments, and thesis preparation, enabling them to perform sophisticated analyses and visualize data effectively.

The primary objective of the workshop is to provide students with a solid foundation in the fundamentals of R programming. Participants will learn how to utilize R as a calculator, understand different data types, and create various objects such as vectors, matrices, and lists. The workshop will also cover various methods for data presentation, equipping students with the skills needed to effectively communicate their findings.

In addition to the basics, the workshop will delve into more advanced topics, including control structures and function creation within R. Students will gain insights into professional data visualization techniques, exploring key packages such as ggplot2 and tidyverse. These tools will enable them to create high-quality visual representations of their data, which are crucial for interpreting and conveying results in a meaningful way.

By the end of the workshop, students will have acquired valuable skills that will not only assist them in their academic pursuits but also prepare them for future careers in statistics, data science, and related fields. The Department of Statistics is committed to providing students with the resources and training necessary to excel in a data-driven world, and this workshop is a significant step in that direction. The collaboration of experienced faculty members and the emphasis on practical application will undoubtedly enrich the educational experience for all participants.