

Statistical Analysis Unit Opening

On March 25, 2024, the President of Yarmouk University “Prof. Islam Massad” inaugurated the Statistical Analysis Unit within the Faculty of Science, marking a significant advancement in the university's commitment to supporting research and data analysis. This unit operates under the administrative umbrella of the Department of Statistics and serves as the faculty’s newest service initiative, designed to provide valuable data analysis support for students and community members. It offers a broad range of data analysis services and programming solutions for scientific experiment models using statistical simulation languages.



Additionally, the unit aims to organize specialized courses in statistical analysis and data science in collaboration with various university centers to expand its impact.

Statistical analysis is essential across all fields of scientific and academic research, and the unit benefits from the expertise of faculty members from the Department of Statistics, who bring specialized knowledge in diverse areas of statistics and data science. This collective expertise enriches the unit’s data analysis capabilities, enabling it to support advanced projects across numerous scientific disciplines.

The unit’s services include descriptive and inferential analysis, as well as the development of various regression models, such as linear and nonlinear models, generalized linear models, penalized regression, decision trees, random forests, cluster analysis, graphical models, structural equation modeling, Gaussian processes, and Dirichlet processes.

To deliver these services, the unit utilizes a variety of statistical software and programming languages, including SPSS, R, SmartPLS, Amos, Eviews, Python, Matlab, Mathematica, and Stata.

