Maharshi Dayanand University, Rohtak

(A State University established under Haryana Act No. XXV of 1975)

'A+' Grade University Accredited by NAAC

IMSAR
the talent incubator
" IMSARians have always made their Alma mater proud. "

Institute of Management Studies and Research

Organising

One Week Workshop
on
Multivariate Analysis and Its Applications
(January 27-31, 2026)

About the University

Maharshi Dayanand University (MDU), Rohtak, established under the Haryana Act No. 25 of 1975, stands as a symbol of academic excellence, innovation, and inclusive growth. Guided by the vision of the Hon'ble Vice-Chancellor and the transformative reforms of NEP-2020, MDU is rapidly evolving into a global hub of multidisciplinary education and research. The University spreads over 622 acres of lush green, eco-friendly campus, hosts 10 faculties and 42 teaching departments, offering 161 programs ranging from traditional to emerging domains. The University has been accredited with an 'A+' grade by NAAC in its third cycle, reflecting its pursuit of quality. With world-class infrastructure, advanced ICT facilities, and a strong focus on activity-based pedagogy, digital innovation, sustainability, and Indian knowledge systems integrated with global perspectives, the University is shaping responsible leaders, researchers, and professionals prepared to meet international standards and address the challenges of a rapidly changing world.

About the Institute

Institute of Management Studies and Research (IMSAR), Maharshi Dayanand University, Rohtak, is one of the prestigious business schools in North India. Over the last three decades, it has emerged as a widely recognized centre of excellence in management education and research. IMSAR offers MBA, Executive MBA, Five-Year Integrated MBA, Four-Year BBA (Honours), Doctoral, and other specialized programmes that blend academic rigor with real-world relevance. With a team of highly qualified faculty and a vibrant alumni network of successful entrepreneurs, corporate leaders, and policy professionals, the Institute is deeply committed to nurturing future-ready leaders. Guided by the vision of MDU and the principles of NEP-2020, IMSAR emphasizes activity-based learning, case pedagogy, multidisciplinary approaches, and a strong research orientation. Its focus on innovation, ethics, sustainability, and industry collaboration ensures a transformative educational experience, equipping students with managerial expertise, critical thinking, and a sense of responsibility to contribute meaningfully to society while reinforcing MDU's global academic standing.

About the Workshop

Data Analysis, a main area in mathematical sciences, is very essential for all policy makers, professionals, mainly for researchers, managers, engineers, and analysts. Today, the world is very dynamic particularly with reference to plenty of information and multidisciplinary research. So, it is an enormous load on the policy makers to examine information and take meaningful decisions. With the accessibility of diverse multivariate techniques and user friendly statistical software, the ability to analyze large amount of data is not only desirable, but a necessity for any professionals. Such techniques and software are usually very complex and confusing for the uninitiated. There are several issues in this process like selection of an appropriate technique, selection of right software, interpretation of results and so forth. The objectives of this program is to emphasize on the issues in research methodology, broad range of techniques for data analysis and to foster multi-disciplinary research in these areas. This program is intended to guide young scholars for extracting implicit useful knowledge from large data sets, developing models, and usage of multivariate data analysis techniques. Participants will be trained and taught, how to do data analysis through statistical software and how to interpret the outcomes. The workshop will cover statistical techniques required for data analysis. The concepts covered will be implemented/tested using a public domain statistical package.

Topics to be Covered

- Importance of Research Methodology in Research

- Introduction to Multivariate Data Analysis

- Multivariate Hypothesis Testing

- Multiple Regression Analysis

- Factor Analysis

- ANOVA & MANOVA

- Discriminant Analysis

- Cluster Analysis

- Conjoint Analysis

- Structural Equation Modelling (SEM)

- Time Series and Panel Data Econometrics

- Transformative Role of Artificial Intelligence in Research

- How to write a research paper to get it published in high quality journal?

Who Should Attend?

The workshop is designed to accommodate approximately 60 Ph.D. research scholars in the area of Management, Commerce, Economics and other Social Sciences of M. D. University, Rohtak, Haryana.

Course Material

The workshop is entirely application oriented. Necessary course materials will be provided to the participants during the workshop.

How to Register: There is no registration fee for participation in the workshop. The last date for registration is **24 January 2026**. Selected participants will be duly informed by **25 January 2026**.
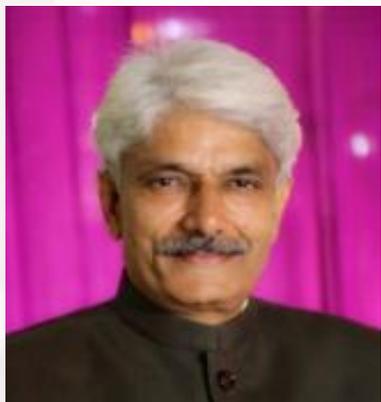
Registration Link: https://forms.gle/WPqQjDd5d232v6Nc7

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Venue: IMSAR, M. D. University, Rohtak

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