

## 2<sup>nd</sup> Workshop on Empirical & Applied Statistical Software Tools for Research: Qualitative and Quantitative Approaches (IBM-SPSS, JASP, NVivo & Others) 4th – 9th February, 2025

The 2nd Workshop on Empirical & Applied Statistical Software Tools for Research, organized by the Centre for Law and Economics (CLE) and the Centre for Empirical & Applied Research in Law & Interdisciplinary Studies (CEARLIS) at Gujarat National Law University (GNLU), was held from February 4 – 9, 2025. The six-day event focused on qualitative and quantitative research methodologies using IBM-SPSS, JASP, NVivo, and Orange software, providing hands-on training in statistical and empirical analysis.

The workshop was inaugurated in the presence of Prof. (Dr.) Gaurang Rami, Professor & Head, Department of Economics, Veer Narmad South Gujarat University, Surat, who served as the Chief Guest. Other distinguished speakers included Prof. (Dr.) S. Shanthakumar, Prof. (Dr.) Ranita Nagar and Dr. Hiteshkumar Thakkar. Prof. Nagar highlighted the increasing significance of law and economics, while Prof. S. Shanthakumar emphasized the need for legal research to move beyond doctrinal methods. Prof. Rami discussed the importance of empirical research in law and advised caution in statistical interpretation. Dr. Thakkar shared his vision for CEARLIS, outlining plans for a Faculty Development Program (FDP) and a flagship conference on economic analysis of law, governance, and public policy in March 2025. A significant highlight of the inaugural ceremony was the launch of Volume VII, Issue II (2024) of the GNLU Journal of Law and Economics, featuring contributions from eminent scholars.

The workshop featured an intensive training program led by Prof. (Dr.) Gaurang Rami (IBM-SPSS), Dr. Hitesh Thakkar (JASP). Sessions ran daily from 10:00 AM to 5:45 PM, covering a wide range of quantitative and qualitative research techniques. Participants gained insights into data types, measurement scales, frequency distributions, and charting methods, followed by descriptive statistical measures such as mean, median, and standard deviation. Hands-on training included correlation and regression analysis, parametric and non-parametric tests, and advanced techniques like factor and cluster analysis, multi-response, and TURF analysis. Additionally, participants explored nine different normality testing methods and reliability testing techniques using IBM-SPSS and JASP.

In the qualitative data analysis segment, Mr. Rahil Mathakia provided training on NVivo and MaxQDA, focusing on data import, manual and auto-coding techniques, word clouds, tree maps, sentiment analysis, and mixed-methods analysis. Dr. Siddharth Dabhade introduced participants to Orange software, guiding them through data mining, visualization, and machine learning applications for legal research. The workshop employed a diverse instructional approach, incorporating lectures, case studies, software-based exercises, and e-content resources to enhance participants' learning experience.

The event concluded with a certificate distribution ceremony, recognizing participants for their active engagement and successful completion of the program. A vote of thanks was extended to the expert resource persons, organizers, and participants for their valuable contributions. This second edition of the workshop reaffirmed GNLU's commitment to advancing interdisciplinary research and equipping scholars with cutting-edge empirical tools for legal and economic analysis.