



About the University

The Central University of Haryana (CUH) is a Central University established under the Central Universities Act, 2009 of the Parliament. It is one of the 15 Central Universities established by MHRD, Govt under the XIth Five Year Plan (2007-12). The University is fully funded by the UGC. The campus of the University is situated in 488 acres of land at Jant-Pali Villages, Mahendergarh district of Haryana from where CUH is running its academic operations. The University has been awarded with "A" grade in the first cycle of NAAC assessment and Accreditation conducted in March 2017. Presently, the University offers 86 study programmes (Diploma, UG, PG and Research) in 34 Departments under 8 different Schools of study.

One Week Online National Workshop on Statistical Data Analysis using SPSS & R (SDASR - 7th Edition)



Organized by
Department of Statistics
Central University of
Haryana

09-13 MARCH, 2026

About the Department

The Department of Statistics was established in the academic session 2013-14 as a part of the School of Physical and Mathematical Sciences as an independent Department and now it comes under the School of Basic Sciences. The Department aims to provide quality education in the field of Statistics and to develop the subject of Statistics with its application and usefulness to society. The Department offers M.Sc. and Ph.D. programmes in Statistics. The Major research areas of the Department are Distribution Theory, Statistical Inference, Bayesian Inference, Censored Data, Sampling Theory, Reliability and Life Testing, Reliability Theory, Survival Analysis, Stochastic Processes and Order Statistics. The Department of Statistics, Central University of Haryana has an excellent curriculum for M.Sc. Statistics programme according to New Education Policy (NEP) 2020. The courses are designed to develop a class of analytics and inferential aptitude among the students through rigorous practical assignments.



About the Workshop

SPSS and R are the most commonly and widely used statistical software's among students, research scholars and faculty in the world. Researchers use these software's in the fields of economics, biostatistics, social science, and political science. These are powerful statistical software's that permit users to manage, analyse, and generate graphical visualizations of data. Realizing the need of the time, the present workshop is aiming to give lectures and training on Statistical topics, namely, correlation, linear regression modelling, multivariate analysis, statistical inference, design of experiments, etc. The participants will be exposed to the statistical basics, background and fundamentals behind the tools. They will also be trained and taught, how to do such analysis through statistical software's like SPSS and R and how to interpret the outcomes.

Major Topics to be covered in the Workshop

- Tabulation and graphical representation of Data**
- Different Types of Data, and handling of data**
- Parametric and Non-Parametric Testing of Hypothesis**
- Introduction to R and RStudio**
- Data Import and Export**
- Exploring data Graphically**
- Descriptive Statistics**
- Statistical Distributions**
- Statistical tests (t, F and Z)**
- ANOVA**
- Goodness of fit-test**
- Survival Analysis and ROC Curve**
- Simple Linear Regression Analysis**
- Multiple Linear Regression Analysis**
- Logistic Regression Analysis**
- Time Series Analysis**
- Principal Component Analysis**
- Introduction to SPSS**
- Managing Data and file**
- Transferring Data and files**
- Numerical Descriptors**
- Normality of Data**
- Statistical tests**
- Bivariate Data Analysis**
- Goodness of fit-test**
- Simple Linear Regression Analysis**
- Multiple Linear Regression Analysis**
- Principal Component Analysis**

Resource Persons/Experts

The Resource Persons/Experts are well known experts in the field of statistics and data science with excellent knowledge of SPSS and R. They have extensive experience in the applications of statistical tools in data analysis.

Target Audience



Scholars, Students from all disciplines.
A maximum of **100 participants** will be selected for this workshop on a **First Come-First-Serve basis**.

E-Certificate

At the end of the workshop, the e-certificate will be provided to all participants who have successfully completed the assignments and minimum 75% attendance.



IMPORTANT DATE

The last date of registration is March 8, 2026.

Organizing Committee

Chief Patron

Prof.(Dr.) Tankeshwar Kumar, Vice-Chancellor, Central University of Haryana

Patron

Prof.(Dr.) Pawan Kumar Sharma, Pro Vice-Chancellor, Central University of Haryana

Advisory Board

Prof. Suneel Kumar, Registrar, CUH

Prof. Rajesh Kumar Gupta, Dean, School of Basic Sciences, CUH

Prof. Ranjan Kumar Sahoo, Department of Statistics, CUH

Prof. Sunita Srivastava, Department of Physics, CUH

Prof. Harish Kumar, Department of Chemistry, CUH

Prof. Antresh Kumar, Department of Biochemistry, CUH

Prof. Vikas Beniwal, Department of Microbiology, CUH

Prof. Gunjan Goel, Department of Microbiology, CUH

Convener

Dr. Vinay Kumar, Head, Department of Statistics, CUH

Coordinators

Dr. Joginder, Department of Statistics, CUH

Dr. Ravinder Singh, Department of Statistics, CUH

Organizing Secretary

Dr. Pavitra Kumari, Department of Statistics, CUH

Dr. Anoop Kumar, Department of Statistics, CUH

Members

Mr. Ramendra Yadav, Department of Statistics, CUH

Ms. Anju Grewal, Department of Statistics, CUH

Ms. Maya Kumari, Department of Statistics, CUH

Mr. Gaurav, Department of Statistics, CUH

Mr. Vishal Kumar, Department of Statistics, CUH

Ms. Rinku Poonia, Department of Statistics, CUH

Ms. Priya, Department of Statistics, CUH

Ms. Aarzoo Rani, Department of Statistics, CUH

Ms. Renu, Department of Statistics, CUH

Registration Fee and Requirements

- The registration fee is Rs. 250/- for all participants. No TA/DA will be paid to the participants.
- Registration is compulsory.

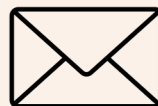
Registration Link is:

<https://forms.gle/CWnZ1FoDvsagsboH9>



Contact Details

- **Dr. Pavitra Kumari**, Organizing Secretary, SDASR -2026. Phone: +91-8059979721
- **Dr. Anoop Kumar**, Organizing Secretary, SDASR -2026. Phone: +91-8009554263



- **Email: statsevents@cuh.ac.in**

- All are requested to please share this pamphlet of the workshop with your friends, faculty members and students so that the interested persons may get benefitted.
- Website of the Central University of Haryana: <http://www.cuh.ac.in>