



Centre for Agricultural Market Intelligence under NAHEP – CAAST  
International Agri-Business Management Institute  
Anand Agricultural University, Anand

# Certificate Course on Statistical Analysis using SPSS Software

23<sup>rd</sup> January to 04<sup>th</sup> February, 2023



:: Venue ::

Information Technology Center, AAU, Anand

Course Duration  
2 Weeks



## About NAHEP-CAAST, AAU, Anand:

Anand Agricultural University has been awarded an ICAR- World bank funded project to establish Centre for Agricultural Market Intelligence. The major objectives of this project include price forecasting and behavior, export competitiveness, evaluation of e-NAM, market institutions and capacity building of faculty, students, farmers and other stakeholders. Experts from country's premium institutes including IIM- Ahmedabad, Institute of Rural Management (IRMA), Indian Space Research Organization (ISRO), Junagadh Agricultural University, National Cooperative Dairy Federation of India (NCDFI) apart from foreign universities namely Australia's Western Sydney University, and The Papua New Guinea University of Technology are associated with the project.

Centre for Advanced Agricultural Science and Technology (CAAST) is a student centric subcomponent of the World Bank sponsored National Agricultural Higher Education Project (NAHEP) granted to AAU, Anand to provide a platform for strengthening educational and research activities of post graduate and doctoral students.

## About the Course:

The SPSS software package is a widely used program for statistical analysis. It was created for the management and statistical analysis of social science data but it can be used by market researchers, health researchers, survey companies, government, education researchers, marketing organizations, data miners, and others. In addition to statistical analysis, data management, case selection, file reshaping, creating derived data and data documentation are features of the base software. SPSS statistics is a software package used for logical batched and non-batched statistical analysis. This software is one of the most popular statistical packages which can perform highly complex data manipulation and analysis with simple instructions. SPSS can take data from almost any type of file and use them to generate tabulated reports, charts and plots of distributions and trends, descriptive statistics and conduct complex statistical analyses. SPSS is beneficial for both qualitative and quantitative data equal importance is given for both data sets, most of the research scholars carry quantitative data for their further analysis, so the layman thinks that the SPSS software is more beneficial in quantitative data than qualitative one but no SPSS gives equal weightage for both data sets. There are several software's available in the market to analyze quantitative data like R, Python, etc. SPSS is popular because of its simplicity, easy-to-follow command language, and well-documented user manual for the beginners and also helps in analysis even when the data set goes larger.

### Eligibility:

Any Postgraduate Students / Faculties / Working Professionals from Academic, Research and Industrial Organizations.

### Selection Criteria:

The selected candidates will be informed through email. The course director is the final authority for the selection of candidates based on the eligibility and availability of seats.

### Evaluation:

The evaluation of the candidates will be based on quiz, assignment, etc. during the course. The final evaluation will be at the end of the course.

### No. of Seat :

30 to 50 Participants

### Course Fee:

Free

### Registration Link:

<https://forms.gle/kp3oKVfTbuVpHKfr5>



### Important Instructions:

- This is an offline certificate course.
- No TA/DA will be paid by the host institute.
- Attendance is compulsory.
- Certificates will be provided to all the attendees.
- Accommodation will be provided as per availability.

### Course Content:

- Introduction to SPSS
- Exploratory Data Analysis and Descriptive Analytics
- Probability Distributions
- Hypothesis Testing
- Non-parametric and Chi-square Test
- Simple Linear and Multiple Linear Regressions
- Logistic Regression
- Principal Component Analysis
- Factor Analysis
- Discriminant Analysis
- Cluster Analysis
- Decision Tree
- K-Nearest Neighbor

# Organizing Committee

## Patrons

Dr. K. B. Kathiria, Hon'ble Vice Chancellor, AAU, Anand

Dr. R. C. Agrawal, DDG (Education) & National Director (NAHEP), ICAR, New Delhi

## Advisors

Dr. Anuradha Agrawal, National Coordinator, NAHEP-CAAST, ICAR, New Delhi

Dr. M. K. Jhala, Director of Research & Dean PG Studies, AAU, Anand

## Convener

Dr. R. S. Pundir, Principal & Dean, IABMI & PI, NAHEP- CAAST, AAU, Anand

## Course Director

Dr. D. R. Kathiriya, Director (IT), Principal & Dean (AIT), CC-PI, NAHEP-CAAST, AAU, Anand

## Course Coordinator

Dr. Chetan Dudhagara, Assistant Professor & Head, IABMI, AAU, Anand

Dr. D. K. Parmar, Assistant Professor, College of AIT, AAU, Anand

## Organizing Committee Members

Mr. Alpesh Agja, Programmer, AAU, Anand

Mr. Umesh Rathod, Programmer, AAU, Anand

Mr. Bhavik Patel, RA, NAHEP-CAAST, AAU, Anand

Mr. Ankur Vora, SRF, NAHEP-CAAST, AAU, Anand

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## :: Contact Details ::

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