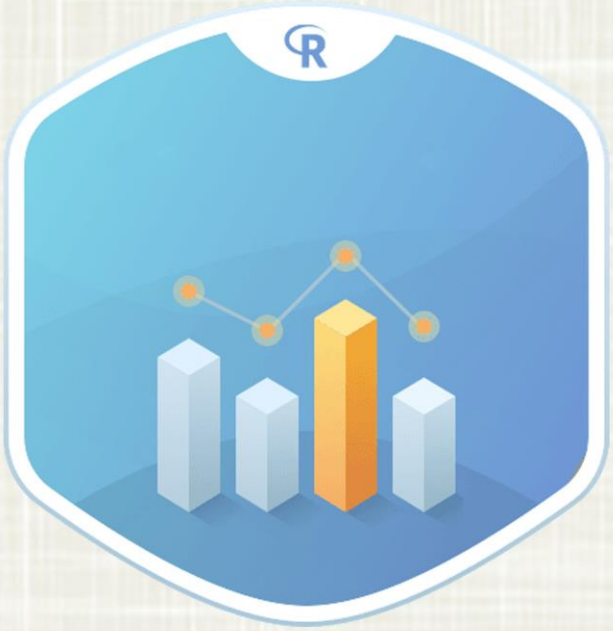
Centre for Agricultural Market Intelligence under NAHEP – CAAST
International Agri-Business Management Institute
Anand Agricultural University, Anand

Certificate Course
on
Statistical Analysis using R Software



09th November
to
22nd November, 2022

:: Course Duration ::
2 Weeks

:: Venue ::

Information Technology Center, AAU, Anand

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:

Data analytics is a discipline focused on extracting insights from data. It comprises the processes, tools and techniques of data analysis and management, including the collection, organization, and storage of data. The main aim of data analytics is to apply statistical method on data to find the trends. Data analytics draws from a range of disciplines including computer science, information technology, mathematics, and statistics to perform analysis on data in an effort to describe, predict, and improve performance.

R is a programming language designed for statistical analysis, graphical data analysis, and scientific research. It is one of the most popular open-source languages for analyzing market research data. It is commonly used for data visualization since its packages provide flexibility and need minimum coding. R is a programming language that facilitates statistical computing and is commonly used by data analysts and statisticians for data analysis. R is a powerful programming language used for advanced statistical modelling. Furthermore, R enables various advanced data analytics options, such as the development of prediction models, machine learning algorithms, and so on. R also has a number of image processing packages. Given the importance of analytics, the aim of this Course is to increase the awareness and understanding of R Software, which is specialized in covering the prospects of all statistical approaches required for data analytics.

STATISTICAL ANALYSIS USING R SOFTWARE

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

No. of Seat :

50 to 70 Participants

Course Fee :

Free

Registration Link : https://forms.gle/H9XJUwFKYicpDqki7

Important Instructions :

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

Course Content :

- Introduction to R and RStudio
- Working with R Programming
- Descriptive Analytics and Probability Distributions Using R
- Sampling Distributions
- Hypothesis Testing Using R
- Non-parametric and Chi-square Test Using R
- Design of Experiment Using R
- Simple Linear and Multiple Linear Regression Using R
- Maximum Likelihood Estimation and Logistic Regression Using R
- Principal Component Analysis and Factor Analysis Using R
- Cluster Analysis Using R
- Classification and Regression Tree (CART) Using R

STATISTICAL ANALYSIS USING R SOFTWARE

Organizing Committee

Patrons

Dr. K. B. Kathiria, Hon'ble Vice Chancellor, AAU, Anand
Dr. R. C. Agarwal, 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), Core Co - 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
Mr. Smit Bhavsar, PA, NAHEP-CAAST, AAU, Anand

STATISTICAL ANALYSIS USING R SOFTWARE

:: Contact Details ::

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