

ANNAMALAI UNIVERSITY

(A State University Accredited with 'A+' Grade by NAAC)

FACULTY OF AGRICULTURE

(Accredited by ICAR)

Three Days National Workshop on
**Research Data Analysis for
Agricultural Sciences**
(08.10.2025 to 10.10.2025)



Organized by
**DEPARTMENT OF AGRICULTURAL
ECONOMICS**
Annamalai University
Annamalai Nagar – 608 002
Tamil Nadu

Annamalai University

Annamalai University, one of the largest Universities in terms of disciplinary diversity and student enrolment, is also one of the oldest universities in South India. Sprawling over a vast and sylvan campus of 1000 acres, the University houses about 50 Departments of Study under Eight Faculties. Founded by the legendary philanthropist and farsighted visionary, Rajah Sir Annamalai Chettiar in 1929, Annamalai University has played a key role in social, cultural, and economic uplift of the people across the rungs of society for nearly a century. Annamalai Nagar, the University Town, is located just to the east of Chidambaram, the Abode of the Cosmic Dancer, Lord Nataraja.

To serve the downtrodden and to promote Tamil Language and Literature, Rajah Sir S. RM. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College at Chidambaram in the early 1920s. In 1928, Rajah Sir S. RM. Annamalai Chettiar agreed with the local Government to handover the above said institutions for establishing a University. Thus, on 01.01.1929 Annamalai University came into existence as the first-ever to have been founded by a private philanthropist. Ever since its establishment, Annamalai University has played an incredible role in the lives of the people near and far. Until 2013, the University was governed by the Annamalai University Act, 1928. In 2013, the Annamalai University Act, 2013 (Tamil Nadu Act 20 of 2013), was passed and has come into force from September 25, 2013. The University, which remained "unitary" in status until 2021, was made an "affiliating" one with Mayiladuthurai, Cuddalore, Villuppuram, and Kallakurichi districts as its jurisdiction and 81 colleges are affiliated to the University now.

Annamalai University, a "university" in the true sense of the term, has been sustaining a unified ecosystem of education by offering diverse programmes under one roof. Being multi-faculty institution, Annamalai University has evolved as a time-tested system of administration to ensure the ceaseless transaction of teaching learning, boundless expansion of research and innovation, and selfless extension of service to the society.

Availability of diverse disciplines of study along with sports pavilion, gymnasiums, libraries, yoga/meditation halls, the University ensures a fertile ground and favourable climate for learners to become all rounded and competent individuals rather than mere "programmed specialists".

Annamalai University has also been a forerunner in making education accessible to countless citizens through distance education mode. All the programmes offered in by the Directorate of Distance education (DDE) are approved and accredited by the Distance Education Board (DEB). The on-campus programmes are duly approved/accredited by the competent bodies such as NAAC, NBA, AICTE, NCTE, ICAR, etc. In 2022, the University is accredited with 'A+' Grade by NAAC in the fourth cycle of accreditation.

Department of Agricultural Economics

The Department of Agricultural Economics was established in 1993 which had its beginning as Division of Agricultural Economics in 1987 with an aim to develop a strong programme in agricultural and rural development with emphasis on teaching, research and extension. This department is striving hard with a vision of providing quality education in the field of agricultural economics that enables graduates to meet the needs of the society and cater the needs of quality research with global competency and cutting-edge proficiency with strong ethical values to nurture and develop outstanding professionals fit for globally competitive environment.

Research is the other major focus of the Department besides teaching. The staff members of the Department are working in various fields of their specialization and periodically submitting research proposals on thrust areas viz., natural resource economics, environmental economics, trade, herbal economics, agricultural finance, women studies, agricultural marketing, and fisheries economics for funding from national and international agencies. The expertise of the staff members in the specialized fields caters to the needs of the present-day education systems and the research works relevant to the rapidly changing socio-economic environment. The Research Projects are funded by various agencies viz., DBT, UGC, NMPB, ICSSR, ICAR-NATP,

SANEI, DST-NIMAT, NABARD, REPCO, MHRD, MOFPI, TNSCHE, TNSCST, NGO, etc. The Department has completed 15 Research Projects so far and one project is in progress. The research themes align with the SDG Goals.

The Workshop

Research data analyses are fundamental component of agricultural sciences and its research, facilitating the systematic analysis and interpretation of data collected from various sources. These tools serve as the backbone of research methodologies, providing researchers with the means to explore, describe, and draw conclusions from complex datasets. Understanding the importance of them in agricultural science, requires recognition of their role in addressing research questions, testing hypotheses, and making informed decisions based on empirical evidence. However, research data analysis must be carried out with care and integrity, taking into account the ethical considerations such as data privacy and confidentiality and ensuring that research is conducted in a manner that respects the rights and dignity of research participants. By promoting statistical literacy, ethical practice, and responsible communication, researchers can harness the power of research data analytical tools to advance knowledge, inform decision-making, and contribute to the betterment of society.

Objectives of the workshop:

- To evaluate the effectiveness of different statistical tools in analyzing research data in agricultural sciences.
- To examine how various data analytical tools contribute to the interpretation in basic agricultural sciences and social science fields
- Assess the effectiveness of various econometric models and their reliability and validity in research findings.

Major Theme Areas:

- Introduction to Research Data and Analysis
- Types of Research: Quantitative, Qualitative and Mixed Methods.
- Introduction to Sampling Techniques
- Scales of Measurement (Nominal, Ordinal, Interval, Ratio) Survey Design and Likert Scales

- Inferential Statistics: T-tests, ANOVA, Chi-square test, Correlation & Regression
- Hypothesis Testing & p-values
- Multivariate Analysis: Multiple Regression, Factor Analysis
- Time series analysis
- Data Visualization Techniques.
- Treatment and Designs for Biological Research (RBD, CRD, etc.,)

Participation and Registration Details:

- ❖ Faculty, Scientists, Research Scholars and PG students in the field of agriculture and rural development are eligible to attend the workshop.
- ❖ Registration Fees: Rs.750 only (DD in favor of The Registrar, Annamalai University); excluding boarding and lodging
- ❖ Participants should bring Laptop.
- ❖ Total Participants 60 only; Admission shall be based on "First Come First Serve"
- ❖ Participants are requested to fill the online registration form provided in the following link
- ❖ Accommodation will be arranged in the University Guest house/Hostel on payment and advance request

Important Dates:

Last date for Registration and accommodation confirmation : 01.10.2025

Workshop : 08.10.2025 - 10.10.2025

Venue: GR Seminar Hall, Faculty of Agriculture.

Resource Persons:

The eminent scholars in the specialized research field from Tamil Nadu and other states will handle the sessions.

1. Annamalai University, Annamalai Nagar
2. Pondicherry University, Puducherry
3. PAJANCOA & RI Karaikal
4. SRM University, Chennai
5. NMV University, Chennai.

Organizing Committee

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Technical Support:

Mr. J. Karthikeyan, Assistant Professor/Programmer

Mr. S.Vishnu Prabhu, Ph.D. Scholar (Mob:9944226183)

Student Volunteers: PG and Ph.D. Scholars.

Registration link: <https://url-shortener.me/3ST5>

