



# Statistical Techniques for Agriculturists

For bringing inclusive improvement in the functioning of Agricultural Systems across the world, the training and teaching of the discipline of Agricultural Statistics are now of paramount importance. Understanding the recent statistical applications for data collection, small descriptive and predictive analysis on estimating yield and productivity is the need of the hour. The teaching and training aspects associated with these components are essential and a significant role is played by various institutes, both in research as well as teaching and training in the field of Agricultural Statistics and Computer Application. This course is designed for agriculturists to learn to establish their own statistical inferences and comprehend the graphical user interface of the recent Android/iOS/Windows applications designed for the purpose. The candidates increase their productivity, efficiency, and competitiveness, facilitate access to markets, improve nutritional outcomes and enhance resilience to climate change. These technologies range from mobile apps to digital identities for farmers to solar applications for agriculture to portable agriculture devices. The candidates taking this course would explore the Agriculture Industry using key insights to gain a richer and deeper understanding of the Agriculture Industry and gain a solid understanding of core concepts of statistics and data in agriculture, with a focus on used cases and potential impact. The farmers learning the concepts in this course are expected to have a closer acquaintance with digital tools helping them to enhance on-farm productivity.

<b>COURSE NAME</b>	<b>Statistical Techniques for Agriculturists</b>
<b>START DATE</b>	<b>May 31, 2022</b>
<b>DURATION</b>	<b>6 Weeks</b>
<b>PREREQUISITES</b>	<b>None</b>
<b>REGISTRATION</b>	<b>Open and free of charge</b>

## Who should attend this course

- Farmers looking to ramp up yield
- UG and PG Students of Agriculture and allied sciences
- Faculty of Agriculture Universities
- Agriculture Scientists in ICAR
- Professionals in State and Central Departments of Agriculture
- Specialists working in KVKs / NGOs in Agriculture
- Progressive farmers / Farming community

## Course Content

Use of Statistics in Agriculture	Sampling Techniques
Hypothesis Testing	Statistical Modeling
Data Presentation & Interpretation	ICT and Digital Applications

## The candidates would be equipped with following skills after taking this course

- Understand the solid basics of statistics for use in agriculture
- Select the statistical tools for analysis
- Learn about the statistical modeling, stating hypothesis and its validation
- Data presentation using right tabulation and graphical representation
- Acquaintance with the core concepts of digital and ICT in agriculture

## Certificates

Qualifying registered learners will be given certificates based on their involvement and performance. Participation and Competency certificates will be issued by Centre for Continuing Education (CCE), IIT Kanpur, India, Commonwealth of Learning (COL), Canada.

## Instructors

**Prof. J. Ramkumar**  
IIT Kanpur  
Faculty Incharge

**Dr. Amandeep Singh**  
IIT Kanpur

## Operations

Dr. Neeta Singh  
Ms. Revathy KT  
Mr. Deepak Kumar  
Mr. Abhishek Shukla  
Mr. K. K. Dubey  
Ms. Sugatha Chaturvedi  
Mr. Aditya Vadlamani

powered by

**mookit**

<https://www.mookit.in>

**REGISTER AT** <https://www.agmoocs.in>

For more information contact: [info@agmoocs.in](mailto:info@agmoocs.in)