



Sponsored

Online Training Programme on

## Time Series Techniques for Forecasting in Agriculture

December 1-10, 2021

### Lecture Schedule

Date	Time	Session Theme	Resource Person
Day 1 (Wednesday) 01-12-2021	04.00-05.00 pm	Statistics, Web resources and Research data management	Dr Rajender Parsad, Director, ICAR-IASRI, New Delhi
	05.15-06.45 pm	Data sources for social science research	Dr Alka Singh, Head & Professor, Division of Agri. Economics, ICAR-IARI, New Delhi
Day 2 (Thursday) 02-12-2021	03.30-05.00 pm	Introduction to R software: Data structures and acquisition of data	Dr Dhandapani A, Principal Scientist, ICAR-NAARM, Hyderabad
	05.15-06.45 pm	Hands-on session on handling of time series data using R software	Dr Dhandapani A, Principal Scientist, ICAR-NAARM, Hyderabad
Day 3 (Friday) 03-12-2021	03.30-05.00 pm	Conceptual and theoretical frameworks of demand models for agricultural commodities	Dr. Parmod Kumar, Director, Giri Institute of Development Studies, Lucknow
	05.15-06.45 pm	Extraction of large data sets using stata	Dr Nithyashree M L, Scientist ICAR-IARI, New Delhi
Day 4 (Saturday) 04-12-2021	03.30-05.00 pm	Application of commodity outlook models for agricultural commodities and policy simulations	Dr Shinoj P, Senior Scientist, ICAR- CMFRI, Cochin
	05.15-06.45 pm	Application of Remote Sensing and Geographic Information System data in Agricultural Research	Dr Vinay Kumar Sehgal, Principal Scientist ICAR-IARI, New Delhi
Day 5 (Sunday) 05-12-2021	03.30-05.00 pm	Forecasting Techniques: An overview	Dr Girish K Jha, Principal Scientist ICAR-IARI, New Delhi

Day 6 (Monday) 06-12-2021	03.30-05.00 pm	Univariate time series models: ARIMA and (G)ARCH models	Dr Girish K Jha & Dr Asha Devi, ICAR-IARI, New Delhi
	05.15-06.45 pm	Future trading in agriculture and its impact on production and prices	Dr. Shanmugam V, Consultant, NISM, Maharashtra
Day 7 (Tuesday) 07-12-2021	03.30-05.00 pm	Multi-equation time series model	Dr Achal Lama, Scientist ICAR-IASRI, New Delhi
	05.15-06.45 pm	Cointegration Analysis	Dr Girish K Jha, Principal Scientist ICAR-IARI, New Delhi
Day 8 (Wednesday) 08-12-2021	03.30-05.00 pm	Introduction to deep learning	Dr Pabitra Mitra, Professor, IIT Kharagpur
	05.15-06.45 pm	Machine learning for crop yield prediction	Dr Pabitra Mitra, Professor, IIT Kharagpur
Day 9 (Thursday) 09-12-2021	03.30-05.00 pm	Artificial Intelligence (AI) techniques for classification in agriculture	Dr Manjunath C Deputy manager, Robert Bosch Engineering & Business Solutions Limited
	05.15-06.45 pm	Introduction to entrepreneurship and start-ups in agriculture	Dr Sivaramane, Principal scientist, ICAR-NAARM, Hyderabad
Day 10 (Friday) 10-12-2021	03.30-05.00 pm	Forecasting of agricultural commodity Prices: Issues and challenges	Dr Lalith Achoth, Visiting Faculty, UAS, GKVK, Bangalore
	05.15-06.45 pm	Open session & Valedictory	Dr RC Agrawal, DDG (Education) Director, IARI Dr C Viswanathan Dr Alka Singh

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