



INDIAN STATISTICAL INSTITUTE

announces

Online Weekend Course on Business Forecasting using Python

Date: 23 November – 15 December 2024
Venue: Indian Statistical Institute
Bangalore



Organized by:
SQC & OR Unit, Indian Statistical Institute, Bangalore - 560 059, INDIA

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Program Objective

This program is designed to equip professionals with the knowledge on various time series methods for developing forecasting models

Program Benefits

On completion of the course, the participants will be able to

- Develop forecasting models using time series techniques
- Interpret and evaluate various models for forecasting
- Hands on experience on the usage of open source package Python

Eligibility

- Any science, commerce, engineering or management graduate can participate in the program.
- Elementary knowledge on statistical techniques like descriptive statistics, test of hypothesis, etc are preferable.
- Online examination will be conducted at the end of the course. Successful candidates will be issued the certificates.

Course Content

Module	Topic
Module 1	• Introduction to time series • Interpretation of time series plot • Introduction to python • Stationary series and unit root test • Differencing
Module 2	• Exponential smoothing • Model performance measures • Auto correlation and partial auto correlation functions • Box Jenkins methods (ARIMA models) • Model diagnostics and residual analysis • Dynamic regression

The course material and data set will be shared with the participants. Training will be conducted online on weekends

Course Fee

INR 9,000/- per participant (+18 % tax) (inclusive of course material).

Seats are limited. Enrolment on a First-Come-First-Serve basis. Admission will be closed once the seats are filled. Before making an online course fee payment, kindly check the availability of seats.

Fee	GST	Total Amount
Rs. 9000/-	Rs. 1620/-	Rs. 10620/-

Application Form

<https://forms.gle/j92HV9dsCpUSRQZ46>

Note: Kindly mention the participant and course (BF-08) names in additional information field while doing online transfer of course fee

Important Dates

Last date for submission of nominations: 21 November 2024

Course dates: 23 – 24 November 2024 and 07 & 15 December 2024

Duration: 4 days

Timing: 9:30 am – 5:30 pm

Online Fund Transfer Details

Bank Account Details	
Name	Indian Statistical Institute
Bank	Uco Bank, Kengeri Branch
Account Number	02970200000702
IFSC Code	UCBA0000297
Type of Account	Current Account

Contact: Program Directors : BF-08,
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Indian Statistical Institute

1. Indian Statistical Institute is a unique institution devoted to the research, teaching and application of statistics, natural sciences and social sciences
2. It is declared by an Act of Parliament as an institute of national importance.
3. Over the years, the Institute has grown into a multi-disciplinary organization.
4. It functions as a university empowered to award degrees up to Ph.D.; as a corporation in undertaking large scale projects; as a firm of consultants to industries to improve quality, reliability & efficiency and as a meeting place of scientists, economists & literary figures from all parts of the world.

SQC & OR Division

1. The pioneer and leader in blending statistical theory with practice and institutionalizing the continuous improvement process into a sustaining system.
2. To strengthen the national economy through the continual search for excellence in quality.
3. To disseminate the basic concepts and techniques for quality improvement by organizing training programs, workshops and in-house programs.
4. To develop highly skilled professionals capable of self-actualization.
5. To help industries in their efforts to cope up with the growing challenge of global competition through the implementation of the quality system based on ISO-9000 series, ISO-14000, QS-9000 standards, Six Sigma & World Class Manufacturing.
6. To continually develop and improve methodologies through applied research efforts to attain international standards in services provided.