

Department of Statistics
Assam University, Silchar
&
SQC and OR Unit, Kolkata
Indian Statistical Institute



Jointly Organize

**2 Day Workshop on
Data Analytics using Python**

March 17-18, 2025



About Assam University

Assam University (established by an act of parliament in 1989) came into existence in January 21, 1994. It has two campuses – Silchar and Diphu. At present, there are 16 schools and 42 Departments in the university. In 31 years of its existence, the university has established itself as an important institution of higher education.

About the Department of Statistics

The department of Statistics, under the Albert Einstein School of Physical Sciences was established in 2014. The mission of the department is to bring about development of the researchers in the university by providing training in data analysis. Alongside its normal academic programmes, the department aims at organizing workshops on Statistical tools, techniques and software for the benefit of research scholars.

About Indian Statistical Institute

Indian Statistical Institute (ISI) is a premier institute involved in carrying out research, teaching, training and consultancy in Statistics, Mathematics, Social Sciences, Computer and Communications, Biological Sciences, Physics and Earth Sciences, and Statistical Quality Control & Operations Research. Prof. P. C. Mahalanobis, the founder of Indian Statistical Institute, rightly deserves the credit for overwhelming development of “Statistics” in India in general and the institute in particular. The institute has been declared by the Government of India as an institution of national importance by an act of the Parliament in 1959.

SQC-OR Division of Indian Statistical Institute

The Statistical Quality Control (SQC) and Operations Research (OR) Division was set up in 1953 following the visit of Walter A. Shewhart (the originator of SQC) in 1947-48. The objective of the Division is to propagate the use of SQC & OR for improving quality, productivity, reliability, reducing cost and waste in business processes.

Chief Patron:

Prof. Rajive Mohan Pant, Vice Chancellor, Assam University, Silchar

Patron:

Prof. Sanghamitra Bandyopadhyay, Director, ISI, Kolkata

Workshop Coordinator:

Prof. Prasun Das, Indian Statistical Institute, Kolkata

Dr. Tanusree Deb Roy, Dept. of Statistics, Assam University

Dr. Jonali Gogoi, Dept. of Statistics, Assam University

Members of the Organizing Committee:

Prof. Dibyojyoti Bhattacharjee, Assam University

Dr. Kaustav Kundu, Indian Statistical Institute, Kolkata

Dr. Rama Shanker, Dept. of Statistics, Assam University

Dr. Vivek Verma, Dept. of Statistics, Assam University

IMPORTANT DATES:

Registration Closes: 10 March, 2025

Information to Participants: on or before 12 March, 2025

Workshop Duration: 17- 18 March, 2025

About the Workshop

In the dynamic world of research, data analytics is not just a tool, but it is the compass that leads us towards discovery, the lens through which we unveil truths, and the bridge connecting hypothesis to insight. Gone are the days when gut feelings and instinct alone steered the ship of progress. In this era, decisions are grounded in evidence, solutions are fuel led by patterns, and discoveries are unlocked through meticulous analysis. In a rapidly evolving data-driven landscape, proficiency in computational packages like R and Python has become an invaluable asset for professionals across various domains.

This workshop is the gateway towards mastering the art of data handling, exploration, and representation in Python. The language has a superlative capability and several in-built packages that can enable data-driven computation and analytics with ease. But the knowledge of working in Python comes only through attending such interactive workshops.

From the fundamentals to advanced techniques, one will get guidance through a hands-on journey that will demystify coding, data handling, and visualization. By the end of this workshop, participants will be equipped with the tools to extract actionable insights from complex data, communicate ones findings effectively, and take drive data-informed decisions.

All the sessions of the workshop shall be engaged by Resource Persons from the Indian Statistical Institute Kolkata- lead by Prof. Prasun Das who is currently the Head of the SQC and OR Division of the Institute.

Objectives of the Workshop

The workshop will provide with working knowledge on data analytics & visualizations insights using Python. The main objectives of the workshop are:

- Perform data cleaning, transformation, and manipulation easily
- Create stunning, interactive visualizations that bring data to life.
- Knowledge of several data analytics tool and their implementation in Python
- Tackle real-world data challenges with confidence.

The 2-Day “Workshop on Data Analytics using Python” offers a welcoming environment to explore, learn, and grow for everyone. Join us and embark on a journey that will empower you to turn raw data into actionable intelligence.

Accommodation, Transport Facility etc.

Because of paucity of funds, the participants of the workshop cannot be provided with any accommodation or travel support. This has to be borne by the participants.

NOTE: THE SELECTION OF PARTICIPANTS SHALL BE ON FIRST-COME FIRST-SERVE BASIS. PARTICIPANTS ARE ADVISED TO PAY THE REGISTRATION FEES AND FILL THE REGISTRATION FORM AT THEIR EARLIEST CONVENIENCE. THERE ARE ONLY 40 VACANCIES. THOUGH THE LAST DATE OF GETTING APPLICATION IS 10 MARCH, 2025 YET IT MAY CLOSE EARLY ONCE THE VACANCIES ARE FILLED UP.

Workshop Application Procedure

Who can Apply

Teachers, professionals and research scholars, UG and PG students are invited to participate in the workshop. For participation one has to fill in the registration form of the workshop which is provided in the link below on or before 10 March, 2025.

<https://forms.gle/UoN6UUDV5Lybabe6>

The workshop shall be conducted in Physical Mode in the Seminar Hall of the Department of Statistics. All communications to the participants shall be made through e-mail.

Submission of Fees

Payment shall be made through Net banking or any other e-mode such as Google pay/Phone Pe/ UPI/Paytm to the following account:

Bank Name : UCO Bank
Bank Account No. : 20050110035450
Account holder name : ASSAM UNIVERSITY PROJECT A/C II
IFSC Code : UCBA0002005
Branch : ASSAM UNIVERSITY BRANCH, SILCHAR

****NOTE: PLEASE MENTION YOUR NAME IN THE NARRATION WHILE DOING THE PAYMENT. PLEASE COMPLETE THE PAYMENT BEFORE FILLING UP THE REGISTRATION FORM ****

Registration Fees for Participants

Teachers/Professionals: **Rs. 755/-**

Research Scholars & Others: **Rs. 555/-**

UG/PG Students: **Rs. 355/-**

The Registration Fee is non-refundable. Transaction details have to be provided at the time of registration. All registered participants shall be provided entry to all sessions, Lunch, snacks, workshop kit and certificate.

Attendance in all sessions are mandatory.