

## □ Two-Day Online Workshop on Introduction to Statistics and Data Analysis

Jointly organized by:

📍 EX-FACULTY, *Indian Statistical Institute, Kolkata*

📍 *Department of Mathematics, Sikkim University*

📅 **Dates:** [\[OCTOBER 24 AND 25, 2025\]](#)

🌐 **Mode:** Online (Platform link will be shared upon registration)

◆ **Day 1: [October 24, 2025]**

**MORNING SESSION: 10:30 – 15:00**

Time (IST)	Session	Speaker
10:30 – 11:00	<b>Inauguration &amp; Welcome Address</b>	Organizing Committee
11:00-12:00	<b>Lecture1: Measures of Central Tendency and Dispersion</b>	PROF. MANISHA PAL, EX-FACULTY, CALCUTTA UNIVERSITY; CURRENTLY ADJUNCT PROFESSOR, ST. XAVIER'S UNIVERSITY, KOLKATA
12:00 – 12:15	<b>Tea Break</b>	
12:15 – 13:15	<b>Lecture 2: Basic Discrete and Continuous Distributions</b>	DR. DURBA BHATTACHARYYA HEAD : DEPARTMENT OF DATA SCIENCE, St. XAVIER'S COLLEGE [AUTONOMOUS], KOLKATA
13:15 – 14:00	<b>Lunch Break</b>	
14:00-15:00	<b>Lecture 3: Study of lifetime distributions -Part I : Understanding Reliability of Product</b>	PROF. MANISHA PAL, EX-FACULTY, CALCUTTA UNIVERSITY; CURRENTLY ADJUNCT PROFESSOR, ST. XAVIER'S UNIVERSITY, KOLKATA
15:00 – 18:00	<b>Recess</b>	

**AFTERNOON SESSION: 18:00 – 21:00**

18:00 – 19:00	<b>Lecture 4: Bayesian Perspectives of Data Analysis</b>	DR. DURBA BHATTACHARYYA HEAD : DEPARTMENT OF DATA SCIENCE, St. XAVIER'S COLLEGE [AUTONOMOUS], KOLKATA
19:00 – 19:15	<b>Tea Break</b>	
19:15-20::15	<b>Lecture 5: Measuring the Extent of Agreement among Experts [Medical Data - Categorical]</b>	PROF. BIKAS K SINHA, EX-FACULTY, ISI, KOLKATA; CURRENTLY DEPARTMENTAL AFFILIATE, SCHOOL OF PUBLIC HEALTH, DIVISION OF EPIDEMIOLOGY AND BIOSTATISTICS, UNIV. ILLINOIS AT CHICAGO, CHICAGO, USA
20:15 – 21:00	<b>Discussion</b>	

\*\*\*\*\* **END OF DAY 1** \*\*\*\*\*

## Day 2: [Oct. 25, 2025]

### MORNING SESSION: 10.30 – 15:00

Time (IST)	Session	Speaker
10:30-11:00	<b>Revision</b>	
11:00-12:00	<b>Lecture 6: Study of lifetime distributions -Part II: Censoring and Related Data Analysis</b>	Prof. MANISHA PAL, EX-FACULTY, CALCUTTA UNIVERSITY; CURRENTLY ADJUNCT PROFESSOR, ST. XAVIER'S UNIVERSITY, KOLKATA
12:00-12:15	<b>Tea Break</b>	
12:15-13:15	<b>Lecture 7: Bayesian Analysis of Health-related Data</b>	Dr. DURBA BHATTACHARYYA HEAD, DEPARTMENT OF DATA SCIENCE, St. XAVIER'S COLLEGE [AUTONOMOUS], KOLKATA
13:15-14:00	<b>Lunch Break</b>	
14:00-15:00	<b>Lecture 8: Sample Size Determination in Sample Surveys</b>	Prof. MANISHA PAL, EX-FACULTY, CALCUTTA UNIVERSITY; CURRENTLY ADJUNCT PROFESSOR, ST. XAVIER'S UNIVERSITY, KOLKATA
15:00 – 18:00	<b>Recess</b>	

### AFTERNOON SESSION : 18:00 – 21:00

18:00-19:00	<b>Lecture 9: Optimum Utilization of Resources for attaining Maximum Profit</b>	Mr. ARNAB DUTTA MSc. DATA SCIENCE ASSOCIATE GenAi CONSULTANT at EY GDS
19:00-19:15	<b>Tea Break</b>	
19:15-20:15	<b>Lecture 10: Rifle Inspection Problem - Identification of Defective Components [Multi-component Categorical Data]</b>	Prof. BIKAS K SINHA, EX-FACULTY, ISI, KOLKATA; CURRENTLY DEPARTMENTAL AFFILIATE, SCHOOL OF PUBLIC HEALTH, DIVISION OF EPIDEMIOLOGY AND BIostatISTICS, UNIV. ILLINOIS AT CHICAGO, CHICAGO, USA
20:15-21:00	<b>DISCUSSION</b>	

\*\*\*\*\* END OF DAY 2 \*\*\*\*\*