



अखिल भारतीय आयुर्विज्ञान संस्थान, रायबरेली

All India Institute of Medical Sciences, Raebareli

## Workshop on Statistical Methods in Biomedical Research

12/05/2023 to 13/05/2023

Organized by  
Medical Education Unit (MEU)  
AIIMS, Raebareli

In collaboration with  
ICMR-National Institute of Medical Statistics  
New Delhi

Parton

Prof. Arvind Rajwanshi  
Executive Director

Advisor

Prof. Niraj Kumari  
Dean (Academics)



ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAEBARELI

TWO DAYS WORKSHOP ON  
STATISTICAL METHODS IN BIOMEDICAL RESEARCH

12 – 13 MAY 2023

IN COLLABORATION WITH  
ICMR–NATIONAL INSTITUTE OF MEDICAL STATISTICS, NEW DELHI

		Topic	Faculty
Day 1 (12/05/2023)			
12 May 2023	9:30-10:00 AM	Registration	
	10:00-10:20 AM	Welcome & Inaugural address	Director, AIIMS, Raebareli
	10:20-10:30 AM	Overview and Objective of workshop	Dr. R.S. Das, Chairman, MEU, AIIMS, Raebareli
	10:30-11:00 AM	Session 1: Type of variables, Types of data,	Prof. Bhola Nath, Dept. of CFM, AIIMS, Raebareli
	11:00 AM-12 noon	Descriptive Statistics (Measures of Central Tendency, Dispersion), & Presentation of data/data visualization (Tables, diagrams, summary statistics of quantitative	Dr Lucky Singh, Scientist D, ICMR-NIMS
	12:00-1:00 PM	Session 2: Testing of Hypothesis-I Inferential statistics, Type of error, Power Parametric and Non-Parametric Tests	Dr Lucky Singh, Scientist D, ICMR-NIMS
	1:00-2:00 PM	Lunch Break	
	2:00-3:30 PM	Session 3 (Hands-on): Data management: Data entry, Data import and export, sorting, variable label, value label, recode, compute	Dr. Kh. Jitenkumar Singh, Scientist E, ICMR-NIMS
	3:30-3:45 PM	Tea Break	
	3:45-5:30 PM	Session 4 (Hands-on): Descriptive Statistics and Visualization of Data, Graphical Presentation	Dr. Lucky Singh, / Dr. Kh. Jitenkumar Singh
Day 2 (13/05/2023)			
13 May 2023	9:00-10:30 AM	Session 5: Study Design: Observational and Experimental/Clinical Studies	Dr. HK Chaturvedi ICMR-NIMS
	10:30-11:30 PM	Session 6 - I: Correlation & Regression (linear regression, confidence interval, p-value & interpretation), Multivariable Linear Regression.	Dr Lucky Singh/ Dr H K Chaturvedi, ICMR-NIMS
	11:30 -1:00 PM	Session 7 (Hands-on): Descriptive statistics and bivariate analysis	Dr. Kh. Jitenkumar Singh, Scientist E, ICMR-NIMS
	1:00-2:00 PM	Lunch Break	
	2:00-3:30 PM	Session 8 (Hands-on)-I: Correlation & Regression	Dr. Kh. Jitenkumar Singh, Scientist E, ICMR-NIMS
	3:30-3:45 PM	Tea Break	
	3:45-5:00 PM	Session 9 (Hands-on)-II: Correlation & Regression	Dr Lucky Singh, Scientist D, ICMR-NIMS
	5:00-5.30 PM	Feedback & Valedictory	