5 Days Online Workshop on Bio-statistical Data Analysis

(19th to 23rd November, 2021)

Organized by

DEPARTMENT OF STATISTICS

ASSAM UNIVERSITY,SILCHAR::788011

About the Workshop

The truth of nature is the variability, which defines the beauty of any finding and perhaps more fascinates any researcher. For any investigation or construction of perception, sophisticated methods are needed to measure the degree of uncertainty and minimize its impact on decisions. Biostatistics is the science of managing empirical uncertainties in the domain of Life Science, Health Studies and Medicine. Biostatistics is receiving increasing attention in a wide range of disciplines which includes Biology, Medical Science research, Public Health etc. resulting from the availability of analytical tools and techniques required to capture and explain the cause of variability. The Bio-statistical analytical methods adopted includes quality assessment, cleaning, transforming and modeling data, which have been found to be particularly useful and prevalent in the design and analysis of medical and public health research studies. One of the most popular and friendly package available for doing such analysis is SPSS.

The workshop is designed to orient Professionals, Faculty members, Researchers and Students, who are from non-statistical background, about the fundamentals of Bio-statistical data analytical tools and techniques and its suitability in real life applications. It shall also inculcate confidence in the participants about the usage of Bio-statistical data analysis on SPSS.

The workshop shall be coordinated by Dr. Vivek Verma, Assistant Professor of the department.

Objectives of the Workshop

The objective of the workshop is to train the participants with basic underlying theory and equipped them with analytical skills required for Bio-Statistical Data Analysis using SPSS. It will comprise the lectures on study designs, data description, and ethical guidelines for a study, descriptive statistics, qualitative and quantitative data analytical approaches, correlation and regression (Linear and Logistic) analysis, odds ratio, risk ratio, and confidence interval, with a brief outline of relevant theory and teaching participants how to apply their knowledge practically using SPSS package and interpret their results.

About the Department of Statistics, Assam University

The Department of Statistics, under the Albert Einstein School of Physical Sciences is one of the youngest departments of Assam University, established in 2014. The mission of the department is to develop the researchers of the university and beyond by providing training in data

analysis. The Department promotes research in both theoretical and applied fields of statistics, which includes distribution and reliability theory, Sports analytics, Bayesian inferential techniques, health statistics, and Biostatistics. The Department has fully air-conditioned computer lab, and procured licensed version of SPSS 23 and Systat 13. The departmental seminar hall is equipped with interactive smart board a n d uninterrupted projection facility to support software training, public address system and internet connection. Alongside its normal academic programs, the department organizes workshops on statistical tools, techniques and software for the benefit of research scholars.

Who Can Participate and Criteria of Selection

Registered/enrolled PhD scholars, Professionals, faculty members and students of Public Health, Medical and Life Sciences of any recognized university/institute who require a basic understanding of bio-statistical techniques as part of their research or academic studies can join. Participants are expected to have working knowledge in computer based data analysis.

An applicant can fill online form latest by **15th November, 2021**along with requisite fees. The modes of payments are mentioned below.

There are only limited vacancies for the program. Thus, it is expected that there shall be many applicants for the workshop. The applicants shall be shortlisted based on the requirement of the applicant as shall be evident from the registration form and on first-come-first-serve basis. Preference shall be given to candidates involved in research activities and projects, having some background knowledge of Statistics and SPSS.

The registration shall close once the required number of participants is attained. Thus, participants are requested to apply early and not to wait for the last date.

https://docs.google.com/forms/d/e/1FAIpQLSeCncZTDuqQ7k6oH7oo1G2_J6Q4iGQm0Y-FSYsx1BCAFB6baQ/viewform?vc=0&c=0&w=1&flr=0

An applicant is selected to the workshop; he/she shall be informed by email on or before **17th November, 2021**. In case the applicant is not selected his/her fees (submitted amount) shall be returned. A candidate can with draw from the workshop at any point of time but the registration fee shall be returned only if the withdrawal takes place on or before **18th November, 2021**. No certificate shall be issued to the participant, if he/she remains absent in any of the sessions.

Registration Fee

The registration fee for the participants is as follows:
1. Rs.1000/-for Professionals, Faculty Members and Residents working in Universities, Colleges, Research institutes

2. Rs.500/-for PG students and research scholars.

Mode of Payment

Candidates applying for the workshop are required to pay the registration fee in Multicity cheque drawn in favour of **"HEAD DEPT OF STATISTICS"**. Fees can also be paid by NEFT or RTGS to the following account details:

Bank Name: UCO Bank

Branch: Assam University Branch, Silchar

Branch Code: 002005

IFSC code: UCBA0002005

MICR Code of bank: 788028005and

A/Cno.20050110033890

Name of the A/C holder: HEAD, DEPTT OF STATISTICS.

In case of NEFT/RTGS, the applicant has to mention the transaction details in the application form. All selected participants need to have SPSS loaded in their laptops.

All candidates completing the program successfully shall be awarded with e-certificates**.**

All communication to the participants shall be made via email.

Important dates

Last date of Submission of Application Form and Fees: 15thNovember, 2021

Last date of withdrawal with payback:18th November,2021

Notification of Selection:17th November, 2021

Timing: **2.00- 5.00 PM**

Workshop starts on: 19th November, 2021

Workshop ends on: 23rd November, 2021

Address of Correspondence

Dr. Vivek Verma, Assistant Professor

Department of Statistics and Coordinator of the Workshop,

Assam University,Silchar-788011

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Name of Tentative resource persons	Affiliation
Prof. Hafiz T.A. Khan	University of West London, United Kingdom
Prof. S.N Dwivedi	AIIMS, New Delhi, India
Prof. Kishor K. Das	Gauhati University, Assam, India
Prof. Dr. Satish Chandra	RIMS Ranchi, India
Dr. Ram Bajpai	Keele University, United Kingdom
Dr. Ramesh Vishwakarma	European Organisation for Research and Treatment of Cancer, Belgium
Dr. Ashwini Kr. Mishra	AIIMS, New Delhi, India
Dr. Atanu Bhattacharjee	Tata Memorial Centre, Mumbai, India
Dr. S. B Singh	RIMS Ranchi, India
Dr. Dharmendra Dubey	Sharda University, Uttar Pradesh, India
Dr. Ganesh Chauhan	RIMS, Ranchi, India
Dr. Amit Kumar Sinha	RIMS, Ranchi, India

Chief Patron: Prof. Dilip Chandra Nath, Vice-Chancellor, Assam University, Assam

Organizing Committee:

Organizer: Dr. Rama Shanker, Head of Department of Statistics, Assam University, Silchar
Member: Prof. Dibyojyoti Bhattacharjee
Member: Dr. Tanusree Deb Roy, Assistant Professor
Member: Dr. Jonali Gogoi, Assistant Professor
Coordinator: Dr. Vivek Verma, Assistant Professor