

5 Day Online Workshop on Bio-statistical Data Analysis (19th to23rd November, 2021)

Organized by

DEPARTMENT OF STATISTICS ASSAM UNIVERSITY, SILCHAR:788011

The Department of Statistics, Assam University, Silchar organized a 5 Day Online Workshop on Biostatistical Data Analysis from 19thto23rdNovember, 2021. 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. Thus, the need of the hour is to train manpower with basic underlying theory and equipped them with analytical skills required for Bio-Statistical Data Analysis using SPSS. Accordingly, the online workshop was planned.

The Coordinator of the Workshop was Dr. Vivek Verma, Assistant Professor of the Department of Statistics, Assam University. 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 comprised of lectures on Study designs, Data description, Ethical guidelines for a study, Descriptive statistics, Qualitative Data Analysis, Quantitative Data Analysis, Correlation, Regression (Linear and Logistic), Odds ratio, risk ratio, and confidence interval, and practical demonstration using SPSS package. The workshop was open to all Registered/enrolled Ph. D. students, faculty members of any recognized university/institute or researcher who is in need of learning about bio-statistical techniques as part of their research or academic studies can join.

The Event was conducted online using Zoom platform by using the link

https://us02web.zoom.us/j/82494598734?pwd=UFJZNUJQM21GeHBSd1Rhc0NIQ2RZQT09.

The list of applicants is provided below:

No.	Name	University/College /Institution	Department	
1	Kumari Sandhya	RIMS	Anatomy	
2	Anupriya	Patna University	Psychology	
3	Neha Parashar	Montfort Institute of Advanced Studies	Counselling Psychology	
4	Ashok Kumar Patel	DDUGU Gorakhpur	Psychology	
5	Ankita Singh	Kalyan singh superspeciality cancer institute	Public health	
6	Firdous Barbhuiya	Tata Institute of Social Sciences, Social Work (Public Health) Mumbai		
7	Ankita Tandon	Dental Institute, RIMS, Ranchi	Oral Pathology, Microbiology and Forensic Odontology	
8	Jay Prakash	Rajendra Institute of Medical Sciences	Critical Care Medicine	
9	Salman Salman Khan	Psg college of arts and science	Mathematics with computer application	
10	Berhane Tewolde Tewolde	University of West Scootland	Business and Finance	
11	Mayanglambam Banita Devi	Manipur University	Statistics	
12	Anadya Prakash Tripathi	Assam University Silchar	Statistics	
13	Rajkumari Lunphasana Devi	MANIPUR UNIVERSITY	BIOTECHNOLOGY	
14	Mrinal Deka	Assam University	Statistics	
15	Mriganka Chakrabarty	Bodoland University	Biotechnology	
16	Nabaneeta Mahata	ABVIMS AND DR RMLH	Biochemistry	
17	Birupakshya Paul Choudhury	Assam University, Silchar	Life Science and Bioinformatics	
18	Dr. DAIMALU BARO	TINSUKIA COLLEGE	BOTANY	
19	Aditya Madhab Baruah	Tezpur Medical College	Forensic Medicine	
20	Rajiv Ranjan Das	Rims Ranchi	Pharmacology and therapeutics	
21	Chayanika Deka	Pandit Deendayal Upadhyaya Adarsha Mahavidyalaya	Statistics	
22	Alok	PATNA UNIVERSITY	STATISTICS	
23	Khwairakpam Budha Singh	District Statistical Office, Bishnupur	Economics and Statistics Department, Government of Manipur	
24	Joshua Khumlianlal	Institute of Bioresources and Sustainable Development	Microbial Resource Division	
25	Priyanka Talukdar	Assam University	Statistics	
26	Yoshodhara Mohapatra	CARE 'n" CURE	Homoeopathy	
27	Moirangthem Lakshmipriyari Devi	Institute of Bioresources and Sustainable Development	Plant Resources	
28	Rupjyoti Bordoloi	Rabindranath Tagore University, Hojai, Assam	Economics	
29	Dharmeswar Barhoi	Male	Assam University, Silchar	
30	Sweety Nath Barbhuiya	PATHARKANDI COLLEGE	DEPARTMENT OF ZOOLOGY	
31	S.Pravin	ICMR-NIE	Bio-statistics	
32	Lourembam Neroka Devi	Manipur University	Department of Statistics	
33	Animekh Hazarika	Assam University	Department of Ecology and Environmental Science	
34	Bandana Kurmi	ASSAM UNIVERSITY	ECOLOGY AND ENVIRONMENTAL SCIENCE	
35	W Reshmi Singha	Assam University	Ecology and Environmental Science	

	Singha		
36	Jintu Kumar Bania	Assam University	Ecology and Environmental Science
37	Prattay Guha Sarkar	Rajendra Institue of medical sciences	Cardiology
38	Shishir Kumar	Rajendra Institute of Medical Sciences, Ranchi	BIOCHEMISTRY
39	Mukesh Kumar Niraj	RIMS, Ranchi	Biochemistry
40	Uttam Kumar Majumder	Khulna University	Statistics
41	Rajat Nandi	ASSAM UNIVERSITY	MICROBIOLOGY
42	Moirangthem Arun Singh Chingtham	MANIPUR UNIVERSITY	STATISTICS
43	Manoshi Phukon	Umshyrpi College	Mathematics
44	R Worthing Zimik	Manipur University	Statistics
45	Nabanita Maity	ASSAM UNIVERSITY, SILCHAR	BIOTECHNOLOGY
46	Longjam Roshini Chanu	Manipur University	Statistics
47	Kasturi Bhattacharjee	ASSAM UNIVERSITY,SILCHAR	BIOTECHNOLOGY
48	Sushma Kumari	RIMS, RANCHI	Biochemistry
49	Sanasam Thoibi Devi	Manipur University	Biotechnology
50	Chanambam Rajiv Mangang	Manipur University	Statistics
51	Pavithra	Mangalore university	Botany
52	Ansuman Ray	CALCUTTA UNIVERSITY	A. K. C. S. I. T. Rajabazar Science College.
53	Sankar Goswami	Gurucharan College	Department of Statistics
54	Thomas TK Tungnung	Manipur University	Biotechnology
55	Smitakshi Barua	Assam down town University	Statistics
56	Mala Manral	All India Institute Of Medical Sciences cardiothoracic and Neuroscience	
57	Afrin Yasmin	Assam University Silchar Life science and Bioinformatics	
58	Jyothi Rani S.A	OSMANIA UNIVERSITY	STATISTICS
59	Tushar Kumar	Rajendra institute of medical sciences, Ranchi. Jharkhand.	Anaesthesiology
60	Wangkhem Jibol Chingmeirong	Institution	Community Medicine

The event started at 1.30 PM with a welcome address by Dr. Rama Shanker, Associate Professor& Head of the Department of Statistics, Assam University, Silchar. An enlightening and path awakening beautiful speech was given by the Honourable Chief Guest of workshop Padma Shri Prof. (Dr.) Kameshwar Prasad, Director, Rajendra Institute of Medical Sciences, Ranchi.

As many as thirteen resource persons delivered their talks on various topics in the workshop and the schedule of the training program is included below:

Name of resource persons		Affiliation	
	Prof. Hafiz T.A. Khan	University of West London, United Kingdom	
	Prof. S.N Dwivedi	AIIMS, New Delhi, India	
	Prof. Dibyojyoti Bhattacharjee	Assam University, Silchar, Assam, 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. Ashwani 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		RIMS, Ranchi, India	



Schedule for the 5 Days Online Workshop on Bio-statistical Data Analysis

November 19th- 23rd, 2021

Date	Timing	Topic	Speaker			
	Day 1					
1.30-2.00 PM		Inaugural Ceremony				
	2.00-2.50 PM	Study designs	Prof. Sada Nand Dwivedi, AIIMS, New Delhi, India			
19.11.2021	3.00-3.50 PM	Data Structure and description	Prof. Kishor K. Das, Gauhati University, Assam, India			
	4.00-4.50 PM	Data Storage	Dr. Ganesh Chauhan, Scientist, RIMS, Ranchi, India			
Day 2	•	•				
	2.00-2.50 PM	Data Entry and Cleaning	Dr. Amit Kumar, Scientist, RIMS, Ranchi, India			
20.11.2021	3.00-3.50 PM	Data Analysis methods	Prof. Hafiz T.A. Khan, University of West London, United			
	4.00-4.50 PM	Mixed Method of Analysis	Kingdom; Visiting faculty for the Department of Statistics, AUS			
Day 3						
	2.00-2.50 PM	Qualitative Data Analysis	Dr. Ram Bajpai, Keele University, United Kingdom			
21.11.2021	3.00-3.50 PM	Linear and Logistic Regression	Dr. Ashwani Kr. Mishra, National Drug Dependence Treatment Centre (NDDTC), AIIMS, New Delhi, India			
	4.00-4.50 PM	Longitudinal Data Analysis	Dr. Atanu Bhattacharjee, Tata Memorial Centre, Mumbai, India			
Day 4						
-	2.00-2.50 PM	Correlation	Dr. Ramesh Vishwakarma, European Organisation for Research and Treatment of Cancer, Belgium			
22.11.2021	3.00-3.50 PM	Quantitative Data Analysis	Dr. Amit Kumar, Scientist, RIMS, Ranchi, India			
	4.00-4.50 PM	Survival Analysis	Prof. Dibyojyoti Bhattacharjee, AUS, Assam, India			
Day 5						
•	2.00-2.50 PM	Ethical guidelines for a study	Prof. (Dr.) Satish Chandra, RIMS, Ranchi, India			
23.11.2021	3.00-3.50 PM	Odds ratio, and risk ratio	Dr. Dharmendra Dubey, Sharda University, Uttar Pradesh, India			
	4.00-4.50 PM	Confidence interval	Dr. (Lt Col) Arun Kumar Yadav, Armed Forces Medical College, Pune, India			
	5.00-5.30 PM	Valedictory Session				

A special talk on the topic "Scope of Systematic Review and Meta Analysis in Research" was delivered by the Honourable Chief Guest of workshop Padma Shri Prof. (Dr.) Kameshwar Prasad.

During the valedictory program the Chief Guest Prof. Niranjan Roy, Professor, Department of Economics, Assam University, Silchar delivered a remarkable and inspiring speech and on the last session of the last day of the workshop. The participants' whole heartedly expressed their satisfaction about the contents, management, and academic deliberations.

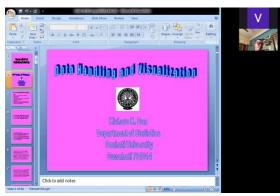
Some screenshot of the event are provided below:



Chief Guest Padma Shri Prof. (Dr.) Kameshwar Prasad delivering during the Inaugural Session



Prof. S.N Dwivedi delivering lecture on Study Design



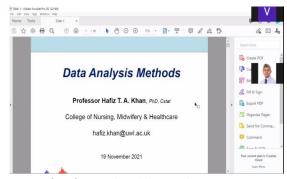
Prof. Kishor K. Das delivering lecture on Data Structure and description



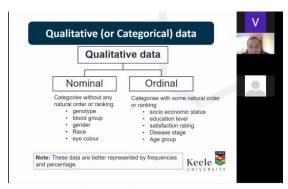
Dr. Ganesh Chauhan delivering lecture on Data Storage



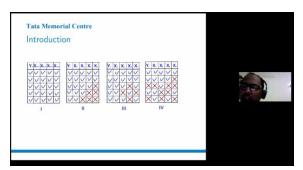
Prof. Kishor K. Das delivering lecture on Data Entry and Cleaning



Prof. Hafiz T.A. Khan delivering lecture on Data Analysis methods



Dr. Ram Bajpai delivering lecture on Qualitative Data Analysis



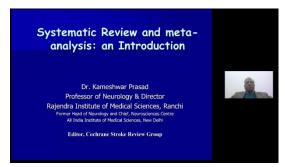
Dr. Atanu Bhattacharjee delivering lecture on Longitudinal Data Analysis



Prof. (Dr.) Satish Chandra delivering lecture on Ethical guidelines for a study



Dr. Ashwani Kr. Mishra delivering lecture on Linear and Logistic Regression



Chief Guest Padma Shri Prof. (Dr.) Kameshwar Prasad delivering special lecture on Systematic Review and Meta Analysis



Dr. (Lt Col) Arun Kumar Yadav delivering lecture on Confidence interval



Chief Guest Prof. Niranjan Roy delivering during the Valedictory Session



Dr. Rama Shanker, HoD during the Valedictory Session

RShenker) (Dr. Rama Shanker) Head, Department of Statistics, Assam University, Silchar
