



**Department of Statistics,
Assam University, Silchar-788011**

Report of the Workshop for Social Scientists of North East States

22nd to 31st August, 2016

As a part of the ongoing training programmes, the Indian Statistical Institute (ISI) planned a workshop with Assam University to be conducted at the Sampling and Official Statistics Unit (SOSU) of ISI Kolkata. Accordingly the Department of Statistics, Assam University in collaboration with the Sampling and Official Statistics Unit of the Indian Statistical Institute organized a *Workshop for Social Scientists of North East States* for 10-days during August 22-31, 2016 at ISI, Kolkata. The program was funded by the SOSU, ISI. This was also an outreach activity of the Department of Statistics, Assam University.

The objective of the workshop was to provide training using modern statistical tools to the faculty members and research scholars in any discipline of Social Science of North Eastern states of India. The workshop would provide adequate scope to interact with reputed academicians in Indian Statistical Institute for furthering individual research. Applications were invited for this workshop from the College and University Teachers and Researchers of North Eastern Universities and its affiliated colleges from any discipline of Social Science. Those applicants affiliated to Assam University or from colleges affiliated to Assam University were given preference.

Prof. Nachiketa Chattopadhyay, from Indian Statistical Institute, Kolkata and Prof. Dibyojyoti Bhattacharjee from Assam University were the joint co-ordinators of the workshop. 22 participants from Assam University and from other institutes/universities of North East India were selected. The travelling expenses of the selected candidates were reimbursed and were also provided local hospitality (including board and lodging) in the guest house of the Indian Statistical Institute. There was no registration fee either.

The workshop was inaugurated by Prof. Dilip C. Nath, Vice Chancellor of the Assam University, who also delivered the key note address. The other speakers of the workshop were Prof. Shibdas Bandyopadhyay, Prof. Bimal Kumar Roy, Prof. Sandip Mitra, Prof. Diganta Mukherjee, Prof. Prabir Chaudhury, Prof. Asit Chakraborty, Prof. Mrinal Bhaumik, Prof. Kajal Dihidar, Prof. Nachiketa Chattopadhyay, Prof. Alope Kar, Prof. Prasanta Pathak, Prof. Probal Chaudhuri and Prof. Debasis Sengupta all from Indian Statistical Institute, Kolkata and Prof. Dibyojyoti Bhattacharjee from Assam University.

The design of the program is to inform the participants on the following topics:

Part I – Basic Statistical Theory

- A) Descriptive statistics
 - Types of variables
 - Measures of location and dispersion

- Measures of association
- Designing statistical tables
- B) Basic Probability -
 - Definitions – *probability, random experiments and random variable*
 - Probability distributions – *Uniform, Binomial and Normal*
- C) Point and Interval Estimation and Testing of Hypothesis
 - Sampling distribution
 - Point and interval estimations
 - Hypothesis testing.
- D) Regression
 - Simple linear regression
 - ANOVA
 - Multiple regression
- E) Design of Experiments

Part II – Development Indicators and Social Statistics

- A) Sustainable Development Goals and Millennium Development Goals (MDG)
 - Human development indices: *HDI, IHDI, GDI.*
 - MDG and SDG indicators
- B) Population and Social Statistics
 - Poverty statistics: *Scope and coverage, data sources, poverty measures*
 - Labor statistics: *Scope and coverage, data sources.*
 - Education statistics: *Scope and coverage, data source.*
 - Health and vital statistics: *Scope and coverage, data source.*

The target participants for the workshop was faculty members and research scholars from the domain of Social Science working in any recognized university/institute within North East India with preference being given to Assam University’s teachers/research scholars. There were several applicant out of which 22 of them were selected by the SOSU for participation. Ultimately, 18 of them turned up. All the participants were provided with free accommodation in ISI, travelling expenses (Air fare), conference kit, light refreshments in the morning and evening and working lunch. The final list of participants were as follows.

Name	Affiliating Institution	Designation	Subject
Charvak	Assam University	Associate Professor	Mass Communication
Debtosh Chakraborty	Assam University	Assistant Professor	Political Science
Joyati Bhattacharya	Assam University	Professor	Political Science
Dr. Ayesha Tahera Rashid	Assam University	Assistant Professor	Mass Communication
Dr. Soma Roy Dey Choudhury	Assam University	Assistant Professor	Commerce

Name	Affiliating Institution	Designation	Subject
Dr. Pankaj Deb	Dokmoka College	Faculty	Economics
Tapa Kar	S S College	Assistant Professor	Economics
Debraj Deb	Assam University	Research Scholar	Mass Communication
Tesfaye Bezabih	Assam University	Research Scholar	Mass Communication
Tinsaye Tamerat	Assam University	Research Scholar	Social Work
Dharitry Borah	Assam University	Research Scholar	Political Science
Anupam Chanda	Assam University	Research Scholar	Library & Info. Sc.
Jayashree Bhattacharjee	Assam University	Research Scholar	Business Administration
Shantosree Dutta	Assam University	Research Scholar	Commerce
Nairita Bhattacharjee	Assam University	Research Scholar	Economics
D. Sayoni Pfoze	Tata Institute of Social Sciences Guwahati, Assam	Research Scholar	Social Science
Arun Kumar Banerjee	North Eastern Hill University, Shillong	Research Scholar	Management
Prabir Ghosh	Tripura University	Research Scholar	Economics

The valedictory session was held at the Seminar hall of the Sampling and Official Statistics Unit (SOSU), Indian Statistical Institute, Kolkata. The session was chaired by Prof. Sanghamitra Bondhyopadhyay, Director, Indian Statistical Institute, Kolkata. The participants of the workshop expressed their satisfaction over the 10 day long program. The participants opined that the program is definitely going to improve the quality of data analysis related to social science research in Assam University and beyond.
