

# WINTER SCHOOL ON STATISTICAL DATA ANALYSIS METHODS February 16-20, 2015



Organised by  
**Interdisciplinary Statistical Research Unit (ISRU)**  
**Indian Statistical Institute**  
203, B. T. Road, Kolkata 700108

## A Report

A five-day **Winter School on Statistical Data Analysis Methods** was conducted by the Interdisciplinary Statistical Research Unit (ISRU) in the Platinum Jubilee Auditorium at the Kolkata campus of the Institute during February 16-20, 2015.

Of a total of 245 applicants, which included teachers, researchers as well as practitioners of Statistics, having varied academic backgrounds and working in various parts of India, 78 were selected. Of these, 29 were local and 49 were from outside Kolkata. The number of male candidates was 43 while that of female candidates was 35.



In the inauguration ceremony held on February 16, Prof. Ayanendranath Basu delivered the welcome address on behalf of ISRU. Professor Bimal Kumar Roy, Director, Indian Statistical Institute, graced the occasion as the Chief Guest. Dr. Amita Pal, Co-ordinator of the Winter School and Head of ISRU, delivered an introductory speech, explaining the utility of the training programme.

The goal of the 5-day workshop was to train the participants in the basics of many useful statistical methods of data analysis through interactive sessions, using the R software.

The training programme commenced with lectures on Basic Probability and Distributions by Dr. Arnab Chakraborty, followed by lectures on Statistical Inference by Prof. Ayanendranath Basu, on Sample Surveys by Dr. Sanghamitra Pal, on Time Series Analysis by Prof. Subir Kumar Bhandari, on Analysis of Variance by Dr. Kiranmoy Das and finally, lectures on Simple and Multiple Regression and Multivariate Methods by Prof. Smarajit Bose. An overall introduction to R was given to the participants by Dr. Nilotpol Sanyal, a visiting faculty in ISRU, while Prof. Bose, Dr. Das, Dr. Sanyal and Dr. Amita Pal demonstrated over a number of sessions how to implement the various data analysis methods in R.

The valedictory session was presided over by Prof. Anup Dewanji, the Professor in-charge of the Applied Statistics Division, of which ISRU is a part. He gave the valedictory speech and distributed the participation certificates. Feedback was also collected from the participants.

The anonymous feedback provided by the participants was used to gauge the success of the programme as well as to identify areas which could be improved on. In general, the participants lauded the content and organization of the workshop. However a few commented that the duration, particularly that of the interactive sessions on R, could have been longer for better learning and understanding, so that topics could be discussed with greater elaboration.

**A group photo of the participants with the co-ordinator**

