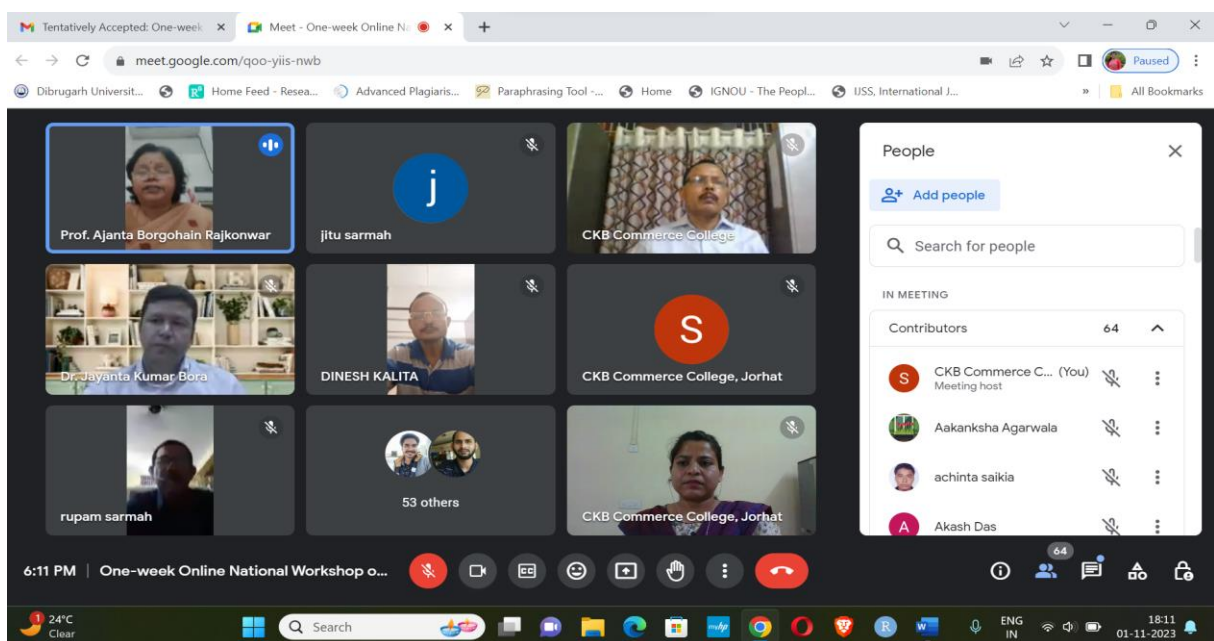


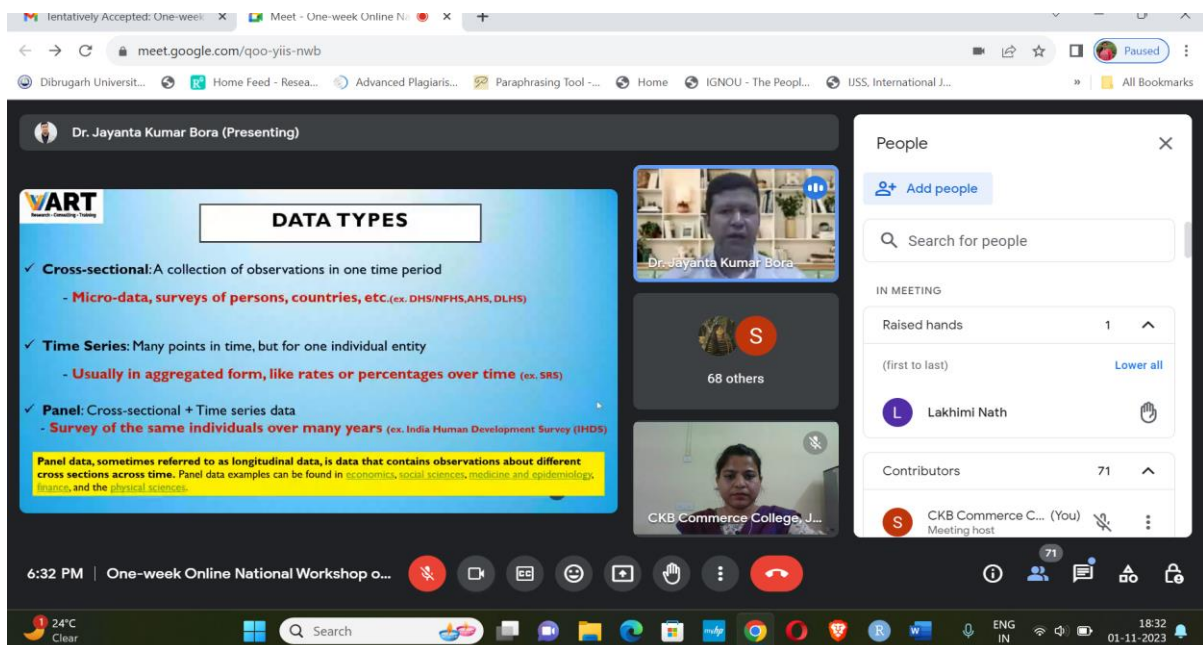
Report on One-week Online National Workshop on Data Analysis and Modelling using STATA Software

Organised by
Department of Statistics and Mathematics
and
Department of Banking, CKB Commerce College, Jorhat

A one-week online National Workshop on “Data Analysis and Modelling Using STATA Software” was organised by the Departments of Statistics and Mathematics and Banking, CKB Commerce College, Jorhat from 01.11.2023 to 07.11.2023. The development of research is dependent not only on the quality of data but also on the tools available for the analysis of such data. With the paradigm shift in research, the need for such analytical tools has become of utmost importance. One such tool or software which has been in demand among the researchers in the recent years is STATA. STATA is a statistical software package which can be used for data analysis, visualisation, statistics and automated reporting. With the focus on development of research in various fields, the need to learn the use of such software has become important. Under the aegis of CKB Commerce College, Department of Statistics and Mathematics and Department of Banking has taken the initiative of organising a week-long online workshop on the use of STATA in data analysis. The main objective of the workshop is to provide a hands-on learning experience to researchers, academicians and students regarding the use of the software.



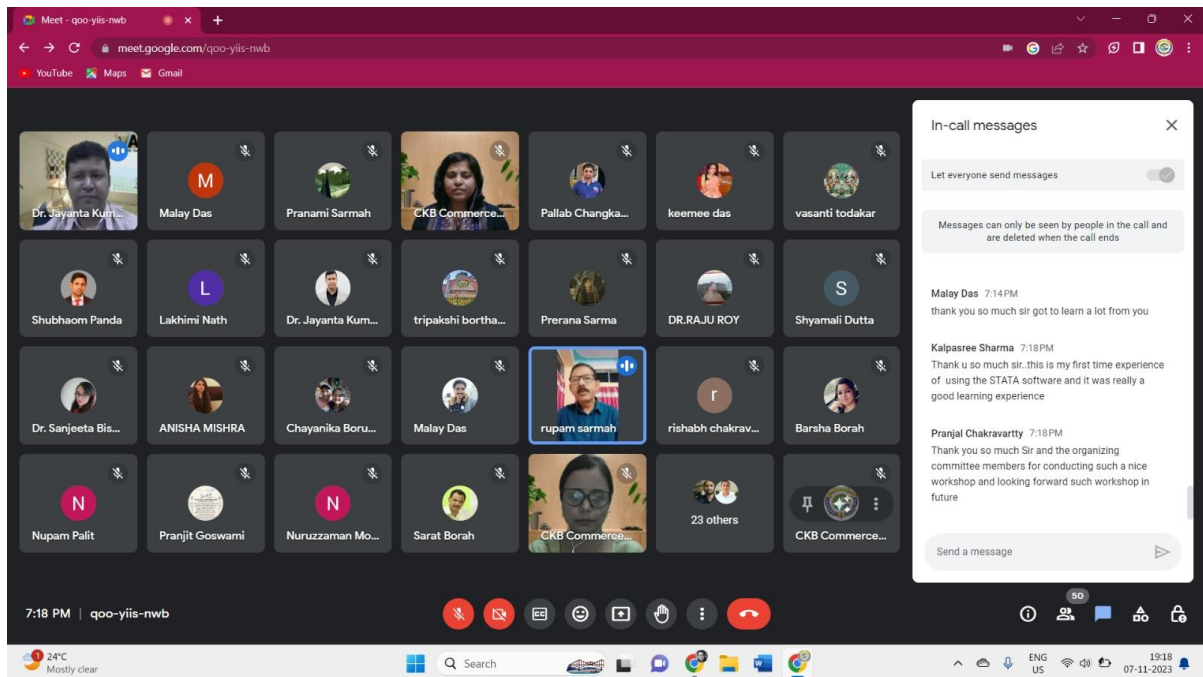
The workshop was coordinated by Dr. Sulaxana Bharali, Assistant Professor, Department of Statistics and Mathematics with Mr. Manash Pratim Goswami, Assistant Professor, Department of Banking and Dr. Ananya Sarmah, Assistant Professor, Department of Banking acting as Organising Secretaries. Dr. Breez Mohan Hazarika, Principal, CKB Commerce College is the patron for the workshop. Dr. Sarat Borah, Vice-principal, CKB Commerce College has been the Chairperson and Mr. Rupam Sarma, Associate Professor, Department of Statistics and Mathematics and Dr. Raju Roy, Assistant Professor, Department of Banking have been the Chief Advisor and Advisor respectively. There were 83 participants in total including 15 participants from various institutions outside of Assam. The rest of the participants were from institutions in Assam and this included participants from CKB Commerce College as well.



The Resource Person for the workshop was Dr. Jayanta Kr. Bora, Founding and Executive Director, VART Research, Mumbai. The inaugural session started with a welcome address from Dr. Sarat Borah, Vice-principal, CKB Commerce College. The occasion was graced by Prof. Ajanta Borgohain Rajkonwar, Vice Chancellor, Assam Women's University, Jorhat who was the Guest Speaker. Prof. Rajkonwar spoke on the importance of research and the need to keep oneself upgraded to improve the quality of research. Prof. Rajkonwar further emphasised on the importance of such workshops which focus on the development of research.

After Prof. Rajkonwar's insightful deliberations, the technical session for Day 1 started with Dr. Jayanta Kr. Bora taking up the session. The focus of Day 1 was on the basics of research and introduction to STATA. On Day 2, Dr. Bora discussed about working with syntax, data

management and data visualisation. Basic statistical analysis, descriptive statistics, statistical tests were discussed on Day 3. Day 4 started with a discussion on correlation analysis along with discussions on linear regression analysis, logistic regression analysis and export of data to excel/words. Dr. Bora discussed about Principal Component Analysis and Structural Equation Modelling on Day 5. On Day 6, Dr. Bora addressed the various queries and doubts put forward by the participants. He also revised the topics which he had discussed on the previous days.



The workshop ended with a valedictory session with feedbacks from the participants. Many participants pointed out that the workshop was a great learning experience and it was very helpful for them. Dr. Bora also extended his gratitude to the organising committee for the successful organisation of the workshop. A concluding remark was presented by Mr. Rupam Sarma. The workshop ended with a vote of thanks by Dr. Sulaxana Bharali.