

# RABINDRANATH TAGORE UNIVERSITY

*In Collaboration with*

## LAKHIMPUR COMMERCE COLLEGE

### ONE WEEK FDP ON DATA ANALYSIS USING SPSS (BASIC, ONLINE)

Research in higher education is pivotal for advancing knowledge, fostering innovation, and driving societal progress. It cultivates critical thinking, problem-solving skills, and academic rigor among students and faculty. Inferential research, a cornerstone of quality research, enables scholars to draw meaningful conclusions from data, establishing cause-effect relationships and generalizing findings to larger populations. This methodological approach ensures that the research outcomes are robust, reliable, and applicable in real-world contexts.

The statistical package SPSS (Statistical Package for the Social Sciences) is essential for achieving meaningful output to data analysis in research. It facilitates complex data analysis in a user friendly manner- allowing researchers to perform different parametric and non-parametric statistical tests with ease and accuracy. SPSS enhances the credibility of research findings by providing precise quantitative analysis, aiding in hypothesis testing, and ensuring data validity and integrity. Consequently, SPSS is invaluable for researchers aiming to produce high-quality, evidence-based studies that contribute significantly to their respective fields and the broader academic community. We believe that this FDP will foster enhanced research methodologies and outcomes, enriching the academic landscape across all disciplines.



**DATE:** 24TH-28TH JUNE 2024  
**TIME:** 07:00 PM TO 08:30 PM

**MODE:** ZOOM PLATFORM (ONLINE)



**RESOURCE PERSON**  
**Dr. Dibyojyoti Bhattacharjee**  
Professor,  
Dept. of Statistics,  
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**RESOURCE PERSON**  
**Dr. Hemanta Saikia**  
Assistant Professor,  
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**PROGRAM CO-ORDINATOR**  
**DR.MRINAL GHOSH (9101038993)**  
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**(9365018193)**





## RABINDRANATH TAGORE UNIVERSITY: AT A GLANCE

Rabindranath Tagore University, Hojai, came into existence as a result of upgrading of Hojai College as per ASSAM ACT NO. XXXIV of 2017. This newly founded university has successfully completed four years and is making rapid progress in affirming its role as a premiere university in the state, thanks to the unwavering determination of the RTU community. The dedicated faculty members and staff are carrying out their responsibilities with utmost sincerity. The students' enthusiasm for learning and active participation in academic and extracurricular activities contribute to the overall excellence of the institution. The University aims for national and global eminence, fostering an environment nurturing societal, intellectual, and cultural development.

## ONE WEEK FDP ON DATA ANALYSIS USING SPSS (BASIC, ONLINE)

ORGANISED BY

**IQAC, RABINDRANATH TAGORE UNIVERSITY**

*In Collaboration with*

**LAKHIMPUR COMMERCE COLLEGE**

Registration Link

<https://forms.gle/PJaCWkpGe75ct2qA7>

You Can Also Scan the Alongside QR for Registration Link



Payment Information

FDP Fees: Rs 800 Only.  
Account Name: RTU General  
Branch: SBI, Hojai Branch  
A/C No: 43008712750  
IFSC Code: SBIN0002065

**UPI ID: rtuhojai@sbi**

**The Zoom Link of the FDP will be shared in the WhatsApp Group.**



## LAKHIMPUR COMMERCE COLLEGE: AT A GLANCE

Lakhimpur Commerce College was established on 4th September, 1972 with the objective of imparting value education to provide universal access to quality education. The college is the precursor in imparting commerce education in the District of Lakhimpur, Assam and the Arts Stream was introduced in the year 1993. The college is permanently affiliated to Dibrugarh University, Assam. The college has two campuses - the main campus located in the heart of town and the second campus at Chukulibhoria with an area of approximately 25 bighas. The college provides various certificates, diploma, degree and post graduate courses through various distance modes like The Directorate of Distance and Open Learning, Indira Gandhi National Open University and Krishna Kanta Handique Sate Open University.



## Program Schedule:

<b>All 5 Days</b>	<b>TOPICS TO BE COVERED (With Hands On Training)</b>
<b>Day 1</b>	<ul style="list-style-type: none"><li>✓ Lecture 1: Introduction to SPSS, Data Handling and File Management in SPSS.</li><li>✓ Lecture 2: Data Manipulation and Coding in SPSS</li><li>✓ Hands On SPSS</li></ul>
<b>Day 2</b>	<ul style="list-style-type: none"><li>✓ Lecture 3: Descriptive Statistics and Data Visualization in SPSS</li><li>✓ Lecture 4: Analysis of Bivariate Data: Cross tabulation and Correlation in SPSS</li><li>✓ Hands On SPSS</li></ul>
<b>Day 3</b>	<ul style="list-style-type: none"><li>✓ Lecture 5: Bivariate Linear and Non-linear Regression in SPSS</li><li>✓ Lecture 6: Multiple Regression in SPSS</li><li>✓ Hands On SPSS</li></ul>
<b>Day 4</b>	<ul style="list-style-type: none"><li>✓ Lecture 7: Hypothesis Testing and Parametric Tests in SPSS</li><li>✓ Lecture 8: Non-parametric Tests in SPSS</li><li>✓ Hands On SPSS</li></ul>
<b>Day 5</b>	<ul style="list-style-type: none"><li>✓ Lecture 9: Analysis of Variance in SPSS</li><li>✓ Lecture 10: Analysis of Data from Likert Scales</li><li>✓ Hands On SPSS</li></ul>



## After the End of the Program the Participants Will Learn:

This intensive 5-day Faculty Development Program (FDP) on SPSS empowered participants with a comprehensive skillset for data analysis. The program covered a spectrum of topics, from the fundamentals of SPSS navigation and data management to advanced statistical techniques.

### Key Outcomes:

- **SPSS Proficiency:** Participants gained a strong foundation in using SPSS, including data entry, variable manipulation, coding, and file management.
- **Data Exploration and Visualization:** They learned to effectively analyze data through descriptive statistics and create compelling visualizations, facilitating clear data communication.
- **Understanding Relationships:** The program equipped participants to assess relationships between variables using techniques like cross-tabulation, correlation, and regression analysis, both linear and non-linear.
- **Hypothesis Testing:** Participants gained the ability to formulate and test hypotheses using parametric and non-parametric tests, allowing them to draw statistically sound conclusions.
- **Advanced Analysis Techniques:** They delved into powerful tools like ANOVA (Analysis of Variance) for exploring group differences and analyzing Likert scale data, a common research instrument.

Overall, this FDP program successfully transformed participants into confident SPSS users, capable of undertaking independent data analysis projects and drawing data-driven insights.

**IMPORTANT NOTE:** *In this FDP hands on training on SPSS will be provided by the honorable resource person. Hence, it is advised to the participants to collect the software from any convenient source if possible. SPSS is a paid software so unfortunately many participants might not have access to the genuine software. However, the trial version can be used for learning purpose, the link to download the trial version has been attached as under:*

*Link to the Trial Version: <https://www.ibm.com/spss>*

**THANK YOU**