

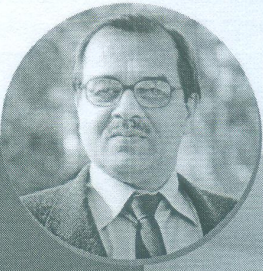
J.D. BIRLA INSTITUTE
A UNIT OF VIDYA MANDIR SOCIETY
(Affiliated to Jadavpur University)
Departments of Science, Commerce & Management

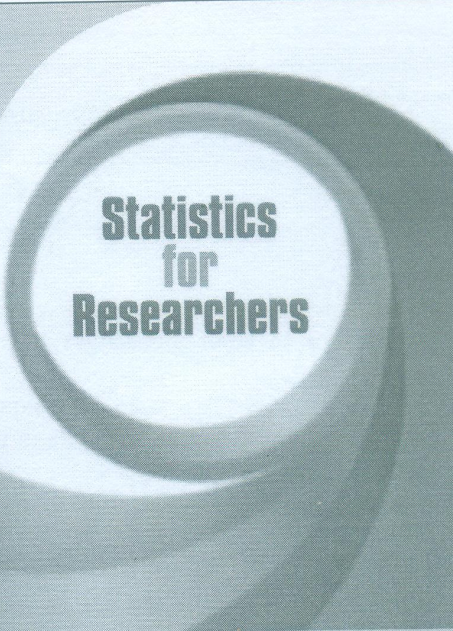


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Departments of Science, Commerce & Management

Faculty Development Programme on





**Statistics
for
Researchers**

Prof. Anoop Chaturvedi, Ph.D
Professor, Department of Statistics
University of Allahabad, Allahabad

📅 Tuesday, 23rd November, 2021
📍 College Auditorium (Main Campus)

🕒 10:30 am to 1:00 pm
Session-I: Statistics in Research Methodology

🕒 2:00 pm to 4:00 pm
Session-II: Statistical Tools in Research Methodology

Title of the Event: Statistics for Researchers
Event Category: FDP (Faculty Development Programme)
Organizing Department: Science, Commerce & Management
Date: 23rd November, 2021
Time: 9:30 AM to 4:00 PM
Venue: Auditorium, Main Campus

About the Event (in 150 words): A Faculty Development Programme is generally designed to provide a platform to facilitate up gradation of knowledge and skill in an identified academic domain. The identified and chosen domain for the present FDP was "Statistics for Researchers." Statistics, Research Methodology and Data Analysis have become an indispensable part of all areas of Management, Business Studies and Social Science and Applied Science research. With availability of advanced analytical techniques and free software such as R, the ability to analyze large amount of data is a desirable and necessary for any researcher, be a student or a faculty member. This programme was designed to emphasise on and address issues in research methods and exploratory data analysis such as selection of appropriate analytical tools, software and interpretation of output.

Objective/s (intended outcomes in 100 words): The objective to conduct the event was primarily, to create awareness about appropriate research tools and use of statistical software in order to effectively study different research problems. The broader objective is to improve the analytical capacity of the faculty members which in turn will help them to guide the students more efficiently, and also help them to be more effective in their own research pursuits. The intended outcomes included (a) exposure to complex advanced tools of statistical analysis which will help the faculty to carry out research in future; (b) exposure to and awareness of software R, which is free and very popular among researchers.

Content (contextual features and challenging issues in 150 words): The FDP was divided into two sessions – first, Statistics in Research Methodology, and second, Statistical Tools in Research Methodology. The first session emphasised on design of research problem, different types of data; determination of optimum sample size to carry out reliable analysis and reach desired results, formulation of hypothesis, and the importance of descriptive statistics to carry out research. The session on Statistical Tools in Research Methodology emphasised on different statistical tools like different types of regression, their results and explanation, dimensionality reduction techniques such as

Principal Component Analysis and Ridge, Lasso Regression, etc and their use in research. There was a brief discussion on the software R and its use in research. The main challenge for the programme was the limitation of time. However, it was enough to make the researcher aware about the help statistics and statistical tools may lend to his / her research efforts.

Details of Resource Persons, if any:

Name	Prof. Anoop Chaturvedi
Designation	Professor
Organization	Department of Statistics, University of Allahabad
Country & City	Allahabad, India
Mobile	09415214134
Email	anoopchaturv@gmail.com

Highlights of the Event:

- Detailed discussion on different stages of statistical analysis, starting from descriptive statistics and inferential statistics, causality and different types of regression, tools of multivariate analysis, their importance and relevance.
- All the complex methods were explained with help of simple examples
- The speaker emphasised more on logical and analytical explanation rather than mathematical derivations.
- Faculties were given ample opportunities to participate in discussions related to research problems faced by them.

Number of Participating Students/Faculty & Staff:

CLASS	FSNM	TCFS	ID	HD	COM	MANG
Students (Offline)						
1 st year UG	---	---	---	---	---	---
2 nd year UG	---	---	---	---	---	---
3 rd year UG	---	---	---	---	---	---
1 st year PG	---	---	---	---	---	---
2 nd year PG	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---
Faculty	23 + 3 (Common)				14	12
Administrative Staff	---					---
Group-D Staff	---					---
GRAND TOTAL	52					

Feedback Summary of Participants:

Quality Parameter	Total Numbers			
	Excellent	Good	Average	Bad
Organization of the event	25	17	00	00
Quality of resource persons	24	17	01	00
Relevance to course of study	15	23	04	00
Excellent take back	YES - 40		NO - 02	
Can be repeated	YES - 38		NO - 04	

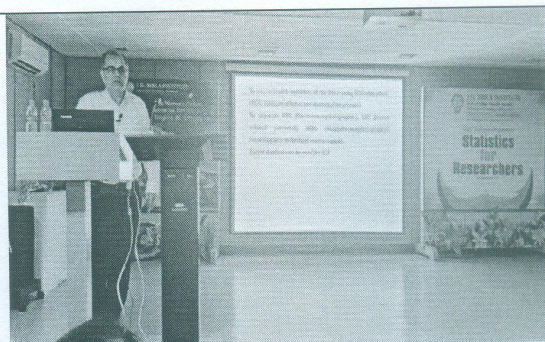
Evidence of Success (in 200 words): There was enthusiastic participation from the faculty members and this is reflected in the feedback.

Resources Used and Amount spent, if any:

Sl. No.	Particulars	Amount
1	Flight ticket (for one person)	9,372
2	Accommodation @ 6,738 for three days	20,211
3	Transport	5,180
4	Reimbursement of conveyance charges (by the resource person)	7,348
5	Memento (for resource person)	6,600
6	Food (for participants)	10,012
	TOTAL	58,723

Problems Encountered, if any: NIL

Note (any other information that is relevant in 150 words): NIL



In-charges/Coordinators

Adrija Saha 24/11/21
Signature with date

Name: Dr. Adrija Saha

Designation: Assistant Professor & HoD