Rukmini Devi Institute of Advanced Studies

Madhuban Chowk, Rohini, Delhi-110085
(Approved By AICTE & Affiliated With GGSIP University)

DOSSIER

On

WORKSHOP
On

"ADVANCED REGRESSION ANALYSIS"
At
RDIAS

on

Sept 23, 2017

Mr. Miklesh Yadav
Assistant Professor, RDIAS

Ms. Sweety Gupta
Editor, Literary Club

Dr. Irameet Kaur
Chairperson- Literary Club

Prof. (Dr.) Raman Garg
Director, RDIAS

FORM A

Proposal:

- **Name of the event attended**: Workshop on Advanced Regression Analysis

- **Date: Sept 23, 2017**

- **Time**: 10:00 a.m. – 4:00 p.m.

- **Venue:** RDIAS Lab 3

- **Motivation for the activity**: The true research work has to be reflected but those reflections come from testing them. Keeping this matter into consideration, the workshop was organized. When there are more independent variables and one dependent variable, in this case one has to apply the Regression. Understanding the same will enable us to move in the right direction of our research work in terms of testing the hypothesis. Thus, the primary thrust of this program me was to enhance the research capabilities of faculty members by making them equipped with the concepts related to Regression.

- **Organized by**– Research and Development Board, RDIAS

FORM B

Part 1

Aim of the event:

Researchers, academicians and industrialists often get problems in applying tools to test the hypothesis because of lack of knowledge of different software which are available in market place. Therefore, It is more important to enrich the intellectual capital by focusing on new knowledge integrated with the tools available like SPSS, Eviews and AMOS. Knowledge of applied research tools and methodology along with the use of software helps in integrating research and practice. To enhance the research skills of faculty members, RDIAS conducted a One Day workshop on "Advanced Regression Analysis" on September 23, 2017. The Workshop thus aimed to R, R Square, Adjusted R Square and Multiple Regression with its explanation.

Part 2
Abstract:

The Workshop started with a brief welcome to all the participants by Ms. Aarti Sehgal, Asst. Professor, RDIAS and introducing them to the aims of this Workshop. The speaker of the day was Dr. Rudra Rameshwar, Professor, Thapar University, Patiala and a warm welcome was given by presenting a bouquet to the guest by Mr. Miklesh Yadav, FDP Convener. Dr. Rudra enlightened the session with sharing the knowledge. The resource person set the momentum of the programme with a detailed session on Advanced Regression Analysis.

He started his session with a basic introduction on simple regression with its assumptions and gradually progresses to the analytical intricacies. Sir explained the concept of R, R Square, Adjusted R Square and its assumptions.

The assumptions of Regression were explained followed by the practical working on SPSS. The concepts of different assumptions like linearity, multi-collinearly and autocorrelation values were also discussed. Sir explained how to run Regression in SPSS

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along with the detailed output interpretations. It was also explained how and which tables are to be presented in the Research paper with its various interpretations. In statistical modeling, **regression analysis** is a set of statistical processes for estimating the relationships among variables. It includes many techniques for modeling and analyzing several variables, when the focus is on the relationship between a dependent variable and one or more independent variables (or 'predictors'). More specifically, regression analysis helps one understand how the typical value of the dependent variable (or 'criterion variable') changes when any one of the independent variables is varied, while the other independent variables are held fixed.

The practical hands-on working on SPSS with an example of a data set was illustrated and everybody understood the same by doing it themselves. Finally, Workshop was ended with distribution of certificates to the participants.

Part 3

Conclusion:

One Day Workshop enriched all the external as well as internal participants with rigorous learning on various research techniques and SPPS. The Workshop was very well appreciated by all the participants and equipped all the participants with new tools and techniques to apply in their respective research areas. Detailed explanation of SPSS along with a brief about scale development knowledge and regression opened new avenues for researchers while triggering their inquisitive minds. Overall, the Workshop proved to be highly fruitful, enjoyable and great learning experience for all the participants

Glimpses of the Event!!!

Ms. Aarti Sehgal introducing the Resource Person!!!

Prog. Coordinator presenting bouquet to Dr. Rudra Rameshar..!!

Dr. Rudra Rameshwar sharing his knowledge to the participants!!!

Prog. Coordinator Mr. Miklesh Yadav presenting a token of appreciation to guest speaker!!!