JAIPURIA
INSTITUTE OF MANAGEMENT
LUCKNOW NOIDA JAIPUR INDORE

FACULTY DEVELOPMENT
PROGRAMME ON

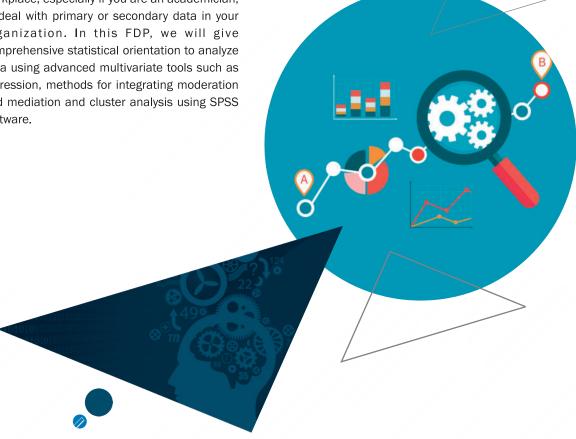# ADVANCE REGRESSION MODELS AND CLUSTER ANALYSIS

JAIPURIA INSTITUTE OF MANAGEMENT, NOIDA

2ND NOVEMBER, 2018

INTRODUCTION

Comprehensive knowledge about statistical techniques is important to achieve success at workplace, especially if you are an academician, or deal with primary or secondary data in your organization. In this FDP, we will give comprehensive statistical orientation to analyze data using advanced multivariate tools such as regression, methods for integrating moderation and mediation and cluster analysis using SPSS software.

OBJECTIVES OF THE PROGRAMME

- To provide balanced mix of conceptualization and theory building and hands on practical sessions on regression and clustering technique using SPSS

- To understand the basics of cluster analysis as a classification technique.

- Establishing a Clustering Algorithm

PROGRAMME SCHEDULE

02ND NOVEMBER	
DURATION	**TOPIC**
10:00 AM - 11: 30 AM	• Theory Building: Regression Analysis • Testing of Significance of regression parameters • Dummy Variables in Regression Analysis • Type of Regression models
11:30 AM - 11:45 AM	**TEA BREAK**
11:45 AM - 01:15 PM	• Methods for testing moderation and mediation effects: together and separately. • Review of mediation and moderation model
01:15 PM - 02: 00 PM 02:00 PM - 03:30 PM	**LUNCH BREAK** • Cluster Analysis: classification technique • Statistics associated with cluster analysis • Mixed (metric and nonmetric data analysis) • Key Concepts in Cluster Analysis
03:30 PM-03.45PM 03.45PM-05.00PM	**TEA BREAK** • Establishing the clustering algorithm (Hands on) • Hierarchical Method • Non Hierarchical Method • Combination method

WHO CAN ATTEND

Academicians, practitioners, research scholars, anyone who wants to develop a holistic view on the advanced statistical tools and its interpretation. SPSS software training is intended to instill confidence in data analysis and its interpretation. Corporate and educational Institutes can sponsor their employees.

TAKE AWAYS

• In-depth understanding of Regression Models

• The participants would be able to create various models using the clustering methods.

ABOUT THE INSTITUTE

Jaipuria Institute of Management-Noida, established in 2004, is a constituent of Integral Education Society led by noted textile industrialist Mr. Sharad Jaipuria. The Society has a distinction of efficiently managing many educational institutions in India, the first dating back to 1945. Our sister management institutes are located in Lucknow, Jaipur and Indore. Committed to delivering excellence in management education, at Jaipuria, Noida ('A' Grade Accreditation by NAAC; Ranked 31st among the top B-Schools in the country by NHRD (2013); Ranked 5th among top B-school of Excellence and 37th among all national B-schools, by Competition Success Review-GHRDC B School ranking (2013); 'A++' by Business India: Best B-School Survey and Business & Management Chronicle), the institute offers the AICTE approved PGDM programs besides engaging in research, corporate training and consultancy interventions. The Institute is housed in its own modern, aesthetic and wired campus equipped with the state-of-the-art learning equipment in the class rooms and computer labs, besides a rich library. Our institute has established international linkages with international academic institutions incountries such as Finland, USA, Thailand, Taiwan, Switzerland and Sweden.

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