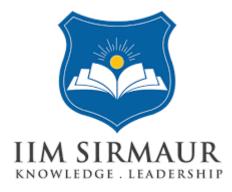
FACULTY DEVELOPMENT PROGRAMME ON DATA ANALYTICS FOR RESEARCH (21-25 June' 2021)



Organized by Indian Institute of Management Sirmaur



OBJECTIVES

Since last few decades, the importance of

data analysis and interpretation has **Exposure to Software:** Participants increased manifold in academic and would be given a hands on training on the practionaer domains. However, there tools like SPSS.

exists a number of issues that inhibits the

application of research methods and ABOUT THE INSTITUTE

techniques ranging from problem

identication to the type of research IIM Sirmaur is situated in the verdant selection of adequate data analysis MHRD, Govt. of India. techniques, application of those research techniques, and interpretation of results.

TOPICS TO BE COVERED

- 1. Problem Identification, Research
- Designs and Hypothesis Development
- 2. Data collection and cleaning
- 3. Basics of Statistics
- 4. ANOVA
- 5. Factor Analysis
- 6. Logistic and Multiple Regression Analysis
- 7. Discriminant Analyis

8. Conjoint Analysis

techniques required to analyse the data surroundings of Himalayas (located in and the interpretation of the results so Paonta Sahib and nearby to Dehradoon). achieved. Therefore, the prime objective IIM Sirmaur provides an ideal setting to of this programme is to tackle these educate and train the best minds of the issues by equipping the programme country, away from the hustle and bustle participants with the requisite knowledge of metropolitan cities. IIM Sirmaur is one for identifying the right research problem, of the 3rd generation IIMs set up by Paonta Sahib is among the major industrial towns of Himachal Pradesh. The town is an important religious place

for the Sikhs, and it attracts pilgrims from around the world. The campus is equipped with modern facilities and latest technology to provide an excellent learning environment for the students. The institute has state-of-the art classrooms equipped with overhead projectors and modern furniture, fully equipped conference rooms with videoconferencing facility, a 24x7 library and a

computer lab with latest configuration nagar railway stations. IIM Sirmaur Rishikesh is a one of the major machines as well as access to various campus is around 45 and 60 Kms from destination og yaga entusiats, adventure software and databases. Dehradoon and Yamuna Nagar seekers and spirituality postulant. It is

PATRON

Prof. (Dr.) Neelu Rohmetra **Director, IIM Sirmaur**

FDP COORDINATORS

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HOW TO REACH IIM SIRMAUR

By Bus: The nearest bus stand is located at Paonta Sahib. The campus is around 2.5 attactions. It is about 80 kilometres from Kms from the bus stand. By Rail: The nearest railway stations to IIM Sirmaur are Dehradoon and Yamuna

around 95 Kms from IIM Sirmaur campus. respectively. By Air: The nearest airports to IIM Sirmaur Jolly Grant Airport, Haridwar is considered as one of the are Dehradoon and Chandigarh Airport seven holiest place to Hindus. It is around which are 78 and 110 Kms (approx..) away 110 Kms from IIM Sirmaur campus. from IIM Sirmaur campus respectively.

NERABY ATTRACTIONS

Renuka Ji lake is a holy place in Sirmaur district of Himachal pradesh. This lake was named after the goddess Renuka. It is well connected by the road from IIM Sirmaur campus and is about 52 Kms. Boating is available on the lake.

Dehradoon is the capital of Uttrakhand and is located at 45 Kms from IIm Sirmaur campus. This place has many tourists attcations such as FRI, Shashtradhara, Robbers' Cave etc.

Mussoorie is a hill station in Uttrakhand which is known for a number of tourists IIM Sirmaur campus.

SESSION SCHEDULE					hypothesis	25/06/2021	10:30 am -	Multi-
					testing)		12:30 pm	Dimensional
Day	Session	Topic	22/06/2021	10:30 am-	Basics of		-	Scaling
				12:30 pm	Probability &		1:30 pm –	Session on
21/06/2021	10:00 am -	Problem			Statistics		3:30 pm	stress
	11:00 am	Identification,			(Hypothesis			management,
		Research			testing to			human values
		Designs &			compare			ethics, health
		Hypothesis			between two			and happiness
		Development			populations)		4:00 pm -	Evaluation
	11:00 am -	Inauguration		1:30 pm -	ANOVA		6:00 pm	Feedback
	12:00 pm			3:30 pm				Valedictory
	12:00 pm -	Problem		4:00 pm -	Regression			
	1:00 pm	Identification,		6:00 pm	Analysis			
		Research	23/06/2021	10:30 am -	Regression			
		Designs &	_	12:30 pm	Analysis			
		Hypothesis			(continued)			
		Development		1:30 pm –	Logistic			
		(contd)		3:30 pm	Regression			
	1:45 pm -	Questionnaire		4:00 pm -	Discriminant			
	3:45 pm	Design & Data		6:00 pm	Analysis			
		Preparation	24/06/2021	10:30 am -	Factor			
	4:00 pm -	Basics of		12:30 pm	Analysis			
	6:00 pm	Probability &		1:30 pm –	Conjoint			
		Statistics		3:30 pm	Analysis			
		(Normal		4:00 pm -	Conjoint			
		Distribution,		6:00 pm	Analysis			
		t-distribution,		ſ	(continued)			
		F-distribution,	L	1	、 /			