



INDIAN INSTITUTE OF MANAGEMENT  
INDORE



IIMI  
FDP

## Faculty Development Programme Statistical Models for Analytics February 10-20, 2021 (Online Mode)

**About FDP:** Indian Institute of Management Indore (IIM Indore) is committed to providing research and teaching skill enhancement programmes for fellow faculty of business schools in India. The Faculty Development Programmes (FDP) at IIM Indore are carefully designed to bridge the gap in quality research and teaching skills that are required in contemporary management education in India.

**Programme overview:** Data analytics has become the technology of the modern era. Data is now an integral part of every domain of study- be it academic or professional. But gaining insight comes out of harnessing the analytical power of data. This program will enable you to churn out the power of data through advanced scientific methods of analytics. You will gain a wide exposure to the statistical tools required for analytics and its implementation.

### Objectives:

- Apply statistical tools in data analytics
- Draw on scientific models for data driven segmentation
- Use experimentation and predictive analysis to improve results
- Integrate data analytics into decision-making processes.

**Faculty:** IIM Indore faculty members will handle sessions

### Contact details of the programme coordinator:

Dr. Sujay Kumar Mukhoti,  
Email: [sujaym@iimdr.ac.in](mailto:sujaym@iimdr.ac.in); Ph: : +91-7583034808

### HOW TO ENROLL

Applicant willing to participate in the programme shall enrol themselves by filling the online application form available on the website. Last date for submission of application is January 31, 2021. The applications are not complete until receipt of programme fee. Incomplete applications will not be processed.

### For more details, please contact:

**Professor Subin Sudhir,**

Coordinator, FDP

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Visit: <http://www.iimdr.ac.in/academic-programmes/faculty-development-programme/>

### Content:

#### Introduction

- Predictive model types
- Regression function and prediction problem
- Bagging and Boosting
- Case Study

#### Dichotomous Response

- Classification with dichotomous target
- Informative and ancillary predictors
- SVM, random forest and logistic regression-based scoring
- Case Study

#### Count Response

- Poisson regression model for count data
- Zero-Inflation
- Interpreting predicted probabilities
- Case Study

#### Target audience: •

- Academicians in technology and management institutes, who are seeking analytics knowhow
- Applied social scientists engaged in research and teaching with data
- Management faculty, who are aiming to create new age managers with power of analytics

### PROGRAMME FEE PAYMENT

The programme fee of Rs. 17,500 (Rs. 14,830 plus 18% GST) is to be paid by way of electronic fund transfer.

**Name of Beneficiary:** Indian Institute of Management  
Indore

**Savings Bank A/c:** 53018623445

**Name of the Bank:** State Bank of India

**Branch:** IIM Indore Campus, Rau, Indore

**IFSC:** SBIN0030525

**Branch Code:** 30525