

Management Development Programme  
on

# Data Management and Analysis using STATA

November 14-18, 2022



# About IIHMR University

The genesis of the IIHMR University dates to October 5, 1984, when the Indian Institute of Health Management Research (IIHMR) was established. The IIHMR University has been established and incorporated as a postgraduate research University by the Government of Rajasthan vide the IIHMR University, Jaipur Act, 2014 (Act No. 3, of 2014). IIHMR University is UGC recognized, NAAC accredited, and ranked 73rd NIRF 2021 (Management). IIHMR University is dedicated to the improvement in standards of health through better management of health care and related programmes. It seeks to accomplish this through management research, education, training, consultation, and

networking in a national and global perspective.

IIHMR University offers MBA (Hospital and Health Management), MBA (Pharmaceutical Management), MBA (Development Management), Master of Public Health (in collaboration with Johns Hopkins University, USA), Master of public Health (Implementation Science), Executive Education and PhD programmes. We have collaborations with international and prestigious universities including Johns Hopkins university, USA, Manchester University, UK, Curtin University, Australia for student exchange, faculty exchange, joint research and capacity building programmes.



## Introduction

Today organizations, government, funding agencies and journals are increasingly requiring researchers/stakeholders to share, archive and plan for the management of their data. As professionals respond to these new requirements, data curation knowledge is necessary for the effective management, long-term preservation and reuse of data. Apart from data management the appropriate analysis of data is also an important requirement from agencies as well as the government institution to take appropriate decision based on the evidence captured after analyzing data.

This programme will provide you with knowledge of data management and data analysis using STATA and best practices throughout the research life cycle from the planning stage all the way to when data will ideally be shared, made available within a trustworthy repository, data analysis using STATA, data visualization. By the end of this Programme, you will have a firm understanding of data management best practices, as well as many data management tools and resources to help you foster data sharing, conduct better service delivery, data analysis and data dissemination.

# Objectives

The Key objective of this programme is to understand the basics of data management such as how to plan for data management, work with data, share, store and manage data related to public health and research. Another major objective of the programme is to learn how to use STATA, manage data using STATA, process data before analysis, conduct data analysis using STATA (descriptive and analytical).

## Content

Date	Programme Coverage
Nov 14, 2022	Understanding Data (what are data, understanding data management) Data Management Planning, working with data (organizing data, file formats, file transformation).
Nov 15, 2022	Data documentation, Data collection, Data Sharing (Sharing Foundation and enabling sharing), Archiving Data (Preservation Foundation and trustworthy repositories).
Nov 16, 2022	Data Management Using STATA: Introduction to STATA Environment, Data Manipulation, Import and export of data files.
Nov 17, 2022	Descriptive analysis, Data Visualization, Histogram, Box Plot, Bar Chart, Correlation Matrix, Scatter Diagram.
Nov 18, 2022	Hypothesis testing (t-test, ANOVA, Chi-square), Introduction to Predictive Analytics, Simple Linear Regression, Multiple Regression, Logistic Regression, Multinomial Regression.

## Pedagogy

The Programme will be delivered mainly through practical learning environment through innovative and effective teaching for working professionals. This will include classroom lectures, augmented by discussions, simulation, quiz, discussion on published papers, group work, and assignments.

## Learning Outcomes

### DATA MANAGEMENT

- Understand what data is and how to manage it
- Plan for data management
- Work with data
- Share Data
- Store Data

### DATA ANALYSIS

- Learn data management using STATA
- Conduct data analysis using STATA
- Basic Statistical analysis using STATA
- Advance Statistical Analysis using STATA

## Who Should Attend

This five-day introductory programme is suitable for Public Health Professionals and subject-matter specialists such as Statisticians, Demographers, Economists, Computer Programmers, and IT professionals, who wish to use STATA to manage survey or other quantitative data. Applicants are not expected to have previous working experience of STATA though basic Knowledge of windows operating system would be an added advantage.



## Resource Persons



**Mr. Ashish Bandhu** is an Assistant professor at Institute of Health Management and Research at IIHMR University. He has more than 7 years of experience in Data analysis, management training, research and teaching. He has worked as a Data Manager cum Data Analyst in Family Planning Project named PMA Agile with support from the Johns Hopkins Bloomberg School of Public Health, Baltimore, USA funded by Bill and Melinda Gates Institute for Population and Reproductive Health, USA. You can reach out to Mr. Ashish at [ashish@iihmr.edu.in](mailto:ashish@iihmr.edu.in).

**Mr. Ashish Bandhu**, Assistant Professor, IIHMR University



**Dr. Anupam Mehrotra** is an Assistant Professor at Institute of Health Management Research at IIHMR University. He has more than 10 year's experience in research, teaching, training, programme planning and implementation. His expertise lies in programme planning, implementation, data management and research. He would be Programme Coordinator for this training programme. You can reach out to Dr. Anupam at [anupam@iihmr.edu.in](mailto:anupam@iihmr.edu.in).

**Dr. Anupam Mehrotra**, Assistant Professor, IIHMR University

## Programme Fee

The programme fee for Indian participant is Rs. 41, 250 plus GST (18% as applicable) and for International participant is USD 770 plus GST (18% as applicable). The fee covers tuition fees, background reading material, lodging and boarding.

**Early Bird Discount:** Nominations received with payments on before 4-weeks will be entitled to an early bird discount of 10%.

**Group Discount:** Any organization sponsoring four or more participants to the programme will be entitled for a discount of 20% on the total fee payable provided that at least four participants attend the programme.

**Maximum Discount:** Organization can avail themselves of both the discounts subject to maximum discount of 20%.

## Certification

A certificate of participation on completion of the programme will be issued by IIHMR University, Jaipur.

## Venue

The programme will be held at IIHMR University, Jaipur. IIHMR University is located near Jaipur International airport, Sanganer, Jaipur. The University campus provides a learning environment to the participants. The participants are welcome to use the library and recreational facilities at the campus.



## How To Apply

All the communication regarding the training should be made with the Training Department at the following address. Please fill the registration form on below link or scan QR code to register.

### Programme Officer (Training)

IIHMR University

1, Prabhu Dayal Marg, Sanganer Airport,  
Jaipur -302029, Rajasthan, India

**Mobile:** +91 9358790012

**Phone:** 0141-3924700 (30 Lines)

**Email:** [training@iihmr.edu.in](mailto:training@iihmr.edu.in), [anupam@iihmr.edu.in](mailto:anupam@iihmr.edu.in)

**Apply Now:** <https://applications.iihmr.edu.in/mdp>

