The world is becoming more and more data-driven, with endless amounts of data available to work with. Data analysis is used by Government, national and international NGO, UN agency, academician, student, researcher and in planning, implementation and strategize the development program. Data analysis is defined as a process of cleaning, transforming, and modeling data to discover useful information for decision-making. The purpose of Data Analysis is to extract useful information from data and taking the decision based upon the data analysis as well as prepare the different type of reports/documents. Some of these tools are R, python, JAVA, MATLAB, SQL, SAS, SPSS etc. SPSS is wide spread particularly in academics for research and publication and in development sector for developing the policy and program document. This training program will focus how to use unutilized and available data in public platform such as NFHS, LASI, SAGE for preparation of Research & policy document and apply the statistical tool for research and publication with the help of Statistical Package for the Social Sciences (SPSS).

The objective of the course is to help Professionals, who are involved in data analysis, and students to understand the concept of data management, build their skills in using SPSS, a statistical software for analysis of data, developing understanding about various types of analysis which are used in development sector, and computing the required statistics for such analysis. Course will cover basic concepts of data management and analysis, use of SPSS, a statistical software, and practical exercises for analysis and interpretation of data.
By the end of the course, the participants will be able to:

- Explain the basic concept of data management and analysis
- Use SPSS software for analysis of data
- Learn uni-variate, bi-variate and multivariate simple analysis
- Compute appropriate statistics for hypothesis testing and drawing conclusions
- Interpret the data and prepare report
- Present the data using appropriate tables and graphs

BENEFITS

Organizations will be benefitted by:

- Availability of data Analyst in the organization

Individuals will get benefitted by:

- Developed essentials skill for data Analysis

COURSE CONTENT

The course contents will include:

- Introduction to Data Management
- Introduction to SPSS
- Creating Variables & Defining Data Properties
- Data Entry, Data Cleaning & Data Quality
- Frequency Distribution, Generating Cross Tables
- Descriptive Statistics
- Data Transformation: Recoding & Computing
- Writing syntax in SPSS with using large scale survey (such as NFHS) data
- Bivariate Analysis, Correlation and Simple Regression
- Chi-square/ T-test/ANOVA, Logistic Regression
- Data Analysis Plan
- Data interpretation and reporting
- Infographic
TARGET AUDIENCE
Professionals who are involved in planning, implementation & strategize development program and working with government, international, national and civil society organizations to improve development program. Scholars, pursuing their PhD/M.Phil/ Masters program in the area of Managament sciences / social sciences, Faculty Members, researchers etc

PARTICIPATION FEE
The participation fee will be INR 5,000/- plus 18% GST and international fee USD 100 plus 18% GST paid online.

• Online registration
• No refund of course fee but substitute allowed

Institute's Bank Details for NEFT/RTGS

Bank Name: HDFC Bank Ltd.
Bank Address: Plot No.11, Aggarwal Central Plaza, DDA Shopping Complex, Sector-5, Dwarka, New Delhi-110075

Bank Account No.: 024903300000019
Bank IFSC Code: HDFC0000249
BIC (Swift ) code: HDFCINBBDEL

Bank Account Holder Name: International Institute of Health Management Research
Address of Account Holder: Plot No.3, HAF Pocket, Phase-II, Sector-18A, Dwarka, New Delhi- 110075
Dr. B. S. Singh is a Statistician, demographer and monitoring & evaluation specialist. He obtained Ph.D. in Population Studies and Certificate Course in Population Studies from the International Institute for Population Sciences, Mumbai. He has completed Certificate Course in Planning and Management Information Systems from Management Sciences for Health (MSH), Boston, Massachusetts, USA. He has worked in several large-scale project supported by USAID-India in the area of Maternal, New Born, Child Health, Family Planning and Urban Health during the period of 1995-13. Prior joining IIHMR, New Delhi, he worked as Project Director in Health of the Urban Poor project implemented by IIHMR, Jaipur, Deputy General Manager (Research & Evaluation) in State Innovations in Family Planning Services Project Agency (SIFPSA), Lucknow, Assistant Director in MAMTA- Health Institute for Mother & Child, New Delhi and Head-MIS & System in Deepak Foundation, Vadodara. His areas of interest are program planning, monitoring & evaluation, health survey research and project management. In addition to several research publications, he has also published a book “Methods for estimating demographic parameters at sub-national level”. He is the alumni of Leadership and Management Program of The INCLEN Trust and regularly facilitates sessions on leadership.

Dr. Kailash Chandra Lakhara is Data Analysist and obtained Master degree in Demography from International Institute for Population Sciences (IIPS), Mumbai. His areas of interest are Population Geography, Social Demography, Operations Research, Reproductive and Child Health, STI & HIV/AIDS, Planning, Monitoring and Evaluation of Intervention Programmes, Support to MIS, Qualitative and quantitative research methods and its analysis. He is having 17 years of experience of handling large scale survey data such as Demographic Health Survey (DHS) of different countries including Indian National Family Health Surveys (NFHS-1, 2 & 3), District Level Household Survey on Reproductive and Child Health (DLHS-RCH-1, 2 & 3), Annual Health Survey, 2010-11, 2011-12 & 2012-13, Rapid Survey on Children (RSOC), 2013-14, Unicef, Multiple Indicator Cluster Survey (MICS-1, 2 & 3) Unicef, National Sample Survey (NSS) etc. He worked as data analyst in several organisation such as International Institute for Population Sciences (IIPS), Mumbai, Consultant-Futures Group, Gurgaon, MAMTA- Health Institute for Mother and Child, New Delhi, TNS India Private Limited, Gurgaon, and Unicef, New Delhi. His main strength lies in both technical skills (analysis of qualitative and quantitative data) on the one hand and organizational ability in planning and implementation of research studies and surveys on the other along with training and capacity building activities. Involved in planning, implementation, analysis of data (using SPSS, STATA, CS Pro) and preparation of reports of major research projects independent.

Besides the above said, the resource persons from various organizations will also be invited share their experience.
TOOLS & TECHNIQUES

The training will be done in three integrated phases:

**Pre-workshop assignments:**
The participants have to complete five assignments before joining the training. They will also receive background reading material and suggested books for reading.

**Online program:**
The five day program primarily focuses on imparting skills through practical session on data available on public platform, case studies reflections and discussions on syntax, concepts and essentials skill for Data Analyst/ M&E Manager/Student

**Post Workshop Contacts:**
Their progress will be reviewed at the three follow up contacts after the workshop is over and required support will be provided whenever needed.

THE INSTITUTION

IIHMR is a premier institution dedicated towards transforming healthcare through research, training and education. IIHMR runs a full-time two-year Postgraduate Diploma in Hospital and Public Health Management enabling human resource professionals to make noteworthy contributions towards arena of healthcare globally. The institution is fully equipped with state of art facilities to take up Academic and Training programmes. It has an excellent combination of faculty with different backgrounds (Medical and non-medical) to take up Academics, Research and organize Management Development Programs in their respective specialties within and out of the campus. In this regard, IIHMR has been regularly engaged in organizing various Training / MDPs on Hospital Management, Public Health, Healthcare Management and Administration and Information Technology. As per the expertise available with the IIHMR, it can take up any of the customized trainings required by respective institutions depending on their training needs. In the recent past hospital management training programmes have been organized for Government of National Capital Territory, Delhi, Ministry of Health – Afghanistan, BRAC- Bangladesh, Ministry of Health- Sri Lanka, Ministry of Health and Sports, Myanmar, Ministry of Health and Welfare- Bhutan, Jigme Dorji Wangchuck National Referral Hospital- Bhutan and Ministry of Health- Maldives etc.
FOR REGISTRATION AND QUERIES, PLEASE CONTACT:

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