Course Co-ordinating Team

Course Coordinator   : Dr. Pushpanjali Swain
Course Co Coordinators : Dr. Jai Kishun
                                      Mr. Parimal Parya
Course Associate   : Mr. Subhash Chand

About the Institute

The National Institute of Health and Family Welfare is a premier autonomous Institute, under the aegis of the Ministry of Health and Family Welfare, Government of India. It has kept pace with the new thinking and contributing substantially to the health manpower development in the country.

NIHFW serves as an apex 'technical institute' as well as a 'think tank' for the promotion of national health and family welfare programmes in the country through education and training, research and evaluation, consultancy, advisory, and specialized services and specialized projects.

Location of the Institute

It is situated in South Delhi, near Jawaharlal Nehru University and Munirka DDA Flats. It is easily accessible from both the Indira Gandhi International Airport and the New Delhi Railway Station, approximately 7 kms. and 15 kms. respectively. Pre-paid taxis/auto-rikshaws are available.

Course Fee

The course fee is Rs. 3500/- TA/DA of the participants will have to be borne by the States/sponsoring organizations.

Accommodation

Hostel accommodation at nominal rates would be provided to the participants only within the Institute's Campus.

Weather

Weather in September will be pleasant.

Last Date for Receiving Nominations

6th September, 2015
(Participants are requested to make their travel plans only after receiving confirmation from NIHFW.)

Venue

Computer Center, NIHFW, Munirka,
New Delhi-10067

Further Correspondence to be addressed to:

Dr. Pushpanjali Swain
Course Coordinator
Department of Statistics and Demography
National Institute of Health and Family Welfare
Munirka, New Delhi-110067
E.mail:drpswain@yahoo.co.in,
parimalparya@gmail.com,
sdnihfw@yahoo.com,
jaikishan.stat@gmail.com

Phone : 26165959/26166441/
26188485/26107773
Fax : 91-11-26101623
Web Site :www.nihfw,org

आरोग्यम् सुखसम्पदा
Department of Statistics and Demography
National Institute of Health and Family Welfare
Munirka, New Delhi-110067

Introduction

The Department of Statistics and Demography has been conducting the training programme on Demographic and Statistics methods to the health professionals including faculty of medical colleges. Over the years the feedbacks given by them indicate that there is a need for conducting a training programme with a special focus on statistical methods only by using a standard statistical software such as SPSS. This software is very user friendly and vastly used by academicians/researchers/ students to analyse the data of research studies/Surveys/Evaluations etc.

Therefore, a training a course/programme entitled. "A training course on data analysis using SPSS for Health and Demographic research" is being organised for professionals engaged in research and analysis of health and demographic data.

General Objective

To orient data analysis and develop skill in use of SPSS for health and demographic research and survey data.

Specific Objectives

1. To introduce the steps of data analysis
2. To prepare the coding plan and create data set
3. To describe the nature of variables
4. To describe the application of the statistical tools of SPSS in data analysis

Contents

- Introduction to data analysis
- Basic features of SPSS
- Preparation of SPSS Data set, Measurement scale of variables
- Data management
  a. imports export of data file
  b. Selection of data,
  c. Recoding of a variable
  d. Computing new variable,
  e. Merging of data sets,
- Data analysis
  a. Descriptive statistics
  b. Graph and Charts: Bar, Histogram and Pie
  c. Frequency, histogram, normal curve
  d. Cross-tabulation
  - Testing of hypothesis
  a. Parametric:
  - Z test,
  - T test (pair, independent)
  - F test, one way ANOVA
  b. Non Parametric
  - Chi square
  - Runs test
  - Wilcoxon Mann Whitney U test
  - (two independent)
  - Wilcoxon Signed Ranks test (two related samples)
  - Kruskal-Wallis test (K independent)
  - Friedman test (k related)
- Correlation and regression analysis
  a. Two variable regression
  b. Multiple regression and
  c. Logistic regression

- Modification of outputs and exporting to different formats

Methodology

Lecture,discussion, demonstration and hands-on training

Nature of Participants

The participants are health professionals working in States, Medical Colleges, Nursing Colleges, SIHFWs and the demographic and social science researchers engaged in health research.

Number of Participants

A total 20-25 participants would be selected from the nomination received

Training Outcome

The course will be helpful in capacity building of the faculty of the medical colleges and other health personnel to design the data analysis plan for surveys and evaluation studies using SPSS.