

## SPSS ESSENTIALS: YOUR GUIDE TO DATA ANALYSIS MASTERY



SYMBIOSIS MEDICAL COLLEGE FOR WOMEN  
AND SYMBIOSIS UNIVERSITY HOSPITAL &  
RESEARCH CENTRE, LAVALE, PUNE- 412115

### ORGANIZED BY



SYMBIOSIS INTERNATIONAL UNIVERSITY

**DATE: 29-30<sup>TH</sup> AUGUST, 2024**

### CONVENOR

Dr. Reshma Patil, Professor & HOD  
Department of Community Medicine, SMCW,  
SIU, Lavale, Pune

## INTRODUCTION

### Course Objectives

The aim of this SPSS (Statistical Package for Social Science) training programme is to update the analytical skills and knowledge among the healthcare professionals, and the researchers about SPSS statistical packages and to render the usefulness of SPSS in increasing academic research performance. Maximum of two faculties from each department of SMCW, SIU, Lavale, Pune are only eligible to apply and attend. This course is designed to acquaint the researchers about the tools, techniques and practices of SPSS. By using SPSS, the researcher can make better analysis and presentation of the data.

### Course Content (in terms of topics)

- ✓ Installation & Introduction of SPSS
- ✓ Data entry and file creation in SPSS
- ✓ Reading and manipulation of data (Recode, transform etc.)
- ✓ SPSS procedure for Descriptive Statistics like Mean, Median, Mode, Univariate, Bi-variate and Charts & Graphs
- ✓ Scatter plot and Correlation
- ✓ Application of Chi-square test for categorical variables
- ✓ Application of t-test for quantitative data
- ✓ Analysis of variance (ANOVA)

### Course Module

The course will consist of lectures and hands on training on data handling, analysis and interpretation etc.

## Target Audience

The course is designed for the faculty members from SMCW, SIU, Lavale, Pune. Seats are limited up to 30. The participants are based on nomination of two faculties by the HOD of concerned department.

## Guidelines

- Workshop is conducted through a hands on experience with SPSS.
- All participants are required to **bring their own Laptop with running internet and MS Excel must be installed for practice but SPSS has not been previously installed.**
- Trial version of SPSS 29 will be provided to all participants.

## Registration Fee

There is no registration fee for faculty of SMCW.

## How to Apply and Dates

The nominations will be entertained up to **15<sup>th</sup> August 2024**. Shortlisted candidates will be informed by email on/before **26<sup>th</sup> August 2024**. HODs of concerned department may send their nomination on email: [hod.commed@smcw.siu.edu.in](mailto:hod.commed@smcw.siu.edu.in)

## Date & Venue

**Date: 29-30<sup>th</sup> August, 2024**

**Day 1:** 09:00 - 16:30 hrs

**Day 2:** 09:00 - 16:30 hrs

**Venue:** Lecture Hall-1, First Floor, Building No. 4, Symbiosis Medical College for Women, SIU, Lavale, Pune- 412115.

## Resource Persons

**Dr. Jitendra Gupta, Assistant Professor (Statistician)**

**Dr. Mohd. Usman, Assistant Professor (Statistician)**

Dept. of Community Medicine, Symbiosis Medical College for Women, SIU, Lavale, Pune-412115

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## TENTATIVE SCHEDULE

TIME	TOPICS	RESOURCE PERSONS
<b>DAY 1</b>		
<b>Morning Sessions</b>		
<b>09:00 - 09:30 hrs</b>	Breakfast and Registration	Breakfast and Registration
<b>09:30 - 09:45 hrs</b>	Inaugural of programme	<b>Dr. T. Vijaya Sagar</b> , The Dean, SMCW, Pune <b>Dr. Reshma Patil</b> , Prof. and HOD, Dept. of Comm. Med., SMCW, Pune
<b>09:45 - 11:30 hrs</b>	Installation and Introduction of SPSS	<b>Dr. Jitendra Gupta</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>11:30 - 13:00 hrs</b>	Data entry and file creation in SPSS	<b>Dr. Mohd. Usman</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>13:00 - 14:00 hrs</b>	Lunch Break	Lunch Break
<b>Afternoon Sessions</b>		
<b>14:00 - 15:15 hrs</b>	Reading and manipulation of data (recode, transform etc.)	<b>Dr. Jitendra Gupta</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>15:15 - 15:30 hrs</b>	Tea Break	Tea Break
<b>15:30 - 16:30 hrs</b>	Practice Session	-
<b>DAY 2</b>		
<b>Morning Sessions</b>		
<b>09:00 - 09:30 hrs</b>	Breakfast	Breakfast
<b>09:30 - 10:30 hrs</b>	SPSS procedure for descriptive statistics like Mean, Median, Mode, Univariate, Bi-variate and Charts & Graphs	<b>Dr. Jitendra Gupta</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>10:30 - 11:30 hrs</b>	Application of Chi-square test for categorical variables	<b>Dr. Mohd. Usman</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>11:30 - 12:00 hrs</b>	Scatter plot and Correlation	<b>Dr. Jitendra Gupta</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>12:00 - 13:00 hrs</b>	Application of t-test for quantitative data	<b>Dr. Mohd. Usman</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>13:00 - 14:00 hrs</b>	Lunch Break	Lunch Break
<b>Afternoon Sessions</b>		
<b>14:00 - 15:00 hrs</b>	Analysis of variance (ANOVA)	<b>Dr. Mohd. Usman</b> , Asst. Professor, Dept. of Comm. Med., SMCW, Pune
<b>15:00 - 15:15 hrs</b>	Tea Break	Tea Break
<b>15:15 - 16:15 hrs</b>	Practice Session & Assignment	-
<b>16:15 - 16:30 hrs</b>	Concluding Remarks	<b>Dr. Amruta Barhate</b> , Assoc. Professor, Dept. of Comm. Med., SMCW, Pune