



Government of Pakistan



Fostering Young Minds



Health Services Academy

Course Title: SPSS for Quantitative Data Analysis

Overview: Hands-on and practical based course on SPSS that will enable you to organize data using SPSS and perform descriptive and inferential statistics.

1. **Course Aim:** The aim of this course is to learn how to equip researchers in mastering SPSS for data management and analysis
2. **Course Credits:** It is a Postgraduate Certification
3. **Course Objectives**
 - To understand quantitative data types
 - Introduction to SPSS
 - Learn to make variable sheet
 - Learn to enter data in SPSS
 - How to conduct descriptive analysis (frequencies, measures of central tendency, measures of dispersion etc.)
 - Learn about correlation and t-test
 - How to read output file
 - Learn how to report findings
4. **Topic Covered**
 - What are the different types of data
 - Introduction to SPSS (layout, shortcuts, command bar etc.)
 - Steps in developing a variable sheet in SPSS
 - Data entering in SPSS
 - Steps of conducting analysis
 - Descriptive analysis (steps to run the test and how to interpret output file of frequencies, measures of central tendency, measures of dispersion etc.)
 - Correlation (purpose of correlation, steps to run the test and how to interpret output file)
 - T-test for comparison of means
 - i. Types of t-test
 - ii. Steps of conducting the test
 - iii. Interpreting output
 - Reporting finding of quantitative study according to APA

5. **Course structure:** objectives will be met by means of following activities;
 - Online interactive sessions with hands-on practice
 - Practice session
 - Graded final assignment
6. **Target audience:** This course is open to anyone interested in research however basic computer literacy is mandatory.
7. **Duration:** 5 days

Participant Fee: Rs: 30,000/-