Quantitative Data Analysis
Using SPSS

Two-Days Workshop

on 9-10 May, 2014 at

Institute of Business Administration (IBA)

University of the Punjab, Lahore

Timings: 9 am to 5 pm

Objectives: Proficiency with statistical software packages is indispensable today for quantitative research in social sciences. SPSS (Statistical Package for the Social Sciences) is one of the most widely available and powerful statistical software packages. It covers a broad range of statistical procedures that researchers to summarize data (e.g. compute means and standard deviations), determine whether there are significant differences between groups (e.g. t-tests, analysis of variance), examine relationships among variables (e.g. correlation, multiple regression) and graphical presentation of data (e.g. bar charts, line graphs). The objective of this workshop is to provide a unique opportunity to learn how to use SPSS for quantitative data analysis.

Contents: Introduction to SPSS, defining variables and data coding, entering data into SPSS, data transformations, differential hypothesis, associational hypothesis, reliability test, descriptive statistics, measurement of central tendency (mean, median, standard deviation, frequency tables), charts and graphs (histogram, pie charts, box plots, bar charts), cross tabulation, chi-square for cross-tabs, procedures for comparing groups (independent samples t-test, dependent paired samples t-test, one-way ANOVA, two-way ‘Factorial’ ANOVA), procedures for exploring relationships (bivariate correlation, simple regression, multiple regression), non-parametric tests (Mann-Whitney U test, Kruskal Wallis test, Wilcoxon signed rank test, Friedman test)

Who should participate: Only IBA students can apply for the said workshop. The registration forms of the workshop can be obtained from the Accounts Section with the payment of Rs 2,000/- (The fee includes workshop material and lunch for two days). Fifty percent discount will be given to the faculty members interested in attending the workshop. It is compulsory for the interested faculty members to get themselves registered before or on 6th May, 2014. The workshop is COMPULSORY for all the students registered for thesis. Last date for the submission of the registration form is 6th May, 2014. Certificates will be given to the participants.

ORGANIZED BY: INSTITUTE OF BUSINESS ADMINISTRATION (IBA), UNIVERSITY OF THE PUNJAB, LAHORE