Quantitative Data Analysis I with SPSS

SPSS is a major software for the analysis of data in social science research. For researchers involved in analyzing, processing and handling data, this is a course that will teach them how to use SPSS from inputting and analyzing data, as well as interpreting and presenting results. The course will focus on descriptive statistical techniques that can be used to analyze data relevant to the social sciences.

Course Outline

The course is organized in 6 sessions.
Part I re-caps the fundamental principles of quantitative data analysis.
Part II is lab-based and focuses on hands-on sessions on SPSS.

Part I:
Topic 1 – Descriptive Statistics
Topic 2 – Making Predictions: The Power of Inference
Topic 3 – The Normal Distribution & Central Limit Theorem
Topic 4 – Making Predictions I: Point Estimators and Confidence Intervals
Topic 5 – Precision of Prediction: The Power of Sample Size
Topic 6 – Principles of Hypothesis Testing

Part II:
Topic 1 – Data Entry in SPSS
Topic 2 – Descriptive Statistics in SPSS
Topic 3 – Point Estimators and Confidence Intervals in SPSS
Topic 4 – Bivariate Analysis I: Cross-tabulations
Topic 5 – Bivariate Analysis II: Oneway ANOVA
Topic 6 – Multivariate Analysis: Linear Regression Models

Who Should Attend
Executives, analysts and researchers who have an interest in learning and understanding quantitative data analysis methods and concepts using SPSS will benefit largely from this course.

Prerequisites
There are no prerequisites for this course.

Enquiries
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For details on schedule, course fee & registration, visit CFPR website.

Faculty Member

Professor Paulin Straughan is currently the Dean of Students and Professor of Sociology (Practice) at the Singapore Management University. Formerly from the National University of Singapore, she is a quantitative sociologist and taught the essential Data Analysis course for Sociology majors at NUS. Her research is in the area of medical sociology and health care systems, with special focus on preventive health and the importance of social support networks in health-related issues, sociology of ageing, work and family. In addition to academic research, she is also a principal consultant to many commissioned projects that involve large-scale community-based surveys. She has won numerous teaching awards while in NUS.