Participation:

Medical researchers, Healthcare professionals and Graduate Medical students (No pre-requisite knowledge of statistics and SPSS is needed)

Language: English and Arabic

Instructors:
Professor Faisal Al-Nasir (Family Medicine)
Dr. Khaldoon Al-Roomi (Epidemiology)
Dr. Ahmed Jaradat (Biostatistics)

Department of Family and Community Medicine

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Arabian Gulf University

Fees: BHD 200.00

Registration Deadline:
Registration fees should be paid before 10 Feb. 2010

INQUIRIES & REGISTRATION:
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Arabian Gulf University
Manama, Kingdom of Bahrain

College of Medicine and Medical Sciences

23 – 24 Feb. 2011

Objectives:

The workshop aims to:

- Give hands-on training in Biostatistics and the use of an SPSS package for health research data analysis.
- Present participants with basic statistical methods and guide them in entering data and performing statistical analysis using SPSS.
- Train participants to read software output and use their results to answer research questions or hypotheses.
Introduction:

This workshop guides the participants through the fundamentals of using SPSS for Windows as well as providing basic statistical knowledge necessary for their science-based research needs. The workshop is structured to provide effective training in all four stages of a typical data analysis process: data definition and input, data modification, data analysis and data presentation. Participants will learn to efficiently utilize the power and flexibility of SPSS for Windows to achieve the most from their data. They will also gain vital experience and knowledge that will transform them from SPSS novices to productive data analysts with a basic understanding of statistical theory.

Topics:

- Basic Concepts of Statistics
- Measurement and Measurement Scales
- Data Collection Techniques
- Sampling Techniques
- Questionnaire Design
- Descriptive Statistics: Organizing & Displaying and Data Summarizing
- Normal Distribution
- Sampling Distribution of the Mean and Estimation
- Significance Testing, Point Estimation and Confidence Intervals Concerning Mean
- Two-Sample Significance Testing, Point Estimation and Confidence Intervals Concerning Means
- One-Sample Significance Testing, Point Estimation and Confidence Intervals Concerning Proportions
- Two-Sample Significance Testing, Point Estimation and Confidence Intervals Concerning Proportions
- Sample Size
- Correlation and Regression