



INDIAN STATISTICAL INSTITUTE
announces
Training Program on
Statistical Techniques for Clinical Trial Analysis

Date: 20 – 21 May 2010
Venue : Indian Statistical Institute
Bangalore



Organized by:

SQC & OR Unit, Indian Statistical Institute, Bangalore - 560 059, INDIA

Phone : +91-80-28483007 (Direct)
(Dir) +91-80-28483002/3/4/5/6 extn. 400/402

Fax : +91-80-28484910
+91-80-28484265

Web : <http://www.isibang.ac.in/~sqc>
e - mail : boby@isibang.ac.in & islam2060@gmail.com

Program Objectives

This program is designed to develop the basic statistical skills required for clinical trial data analysis among professionals.

Program Benefits

The participants will acquire the knowledge required to perform and interpret

- Comparison of sample means using t test & paired t test
- Checking uniformity among samples using F test
- Comparison of percentages using proportion test and chi square test
- Comparison of several means using Analysis of Variance.
- Modeling the relationship between variables using Correlation & Regression
- Basics of Survival Data Analysis
- Receiver Operator Characteristics (ROC) Curve Analysis

Deliverables

- Development of skill set required for clinical trial data analysis and extraction of information from data .
- Hands on experience on usage of built in MS Excel functions for Correlation, Regression & Analysis of Variance and their applications in clinical trial data analysis.
- Free tools (MS Excel Macros) for advanced statistical analysis like Test of Hypothesis and Normality Testing.

Course Content

- Introduction to Data Types & Fundamentals of Statistics
- Outlier Analysis
- Normal Distribution
- Test of Hypothesis
- Analysis of Variance
- Correlation & Regression
- Survival Data Analysis
- Receiver Operator Characteristics (ROC) Curve Analysis

Course Fee

INR 11,030/- (INR 10,000 +10.3 % Service tax) per participant or US\$ 250 for overseas participant (inclusive of course material, kit, lunch & snacks, etc).

Category	Discount (per participant)
Institute Client or Self Sponsored	1,000
Group Nomination (≥ 3 nominations)	10 % of total

Important Dates

Last date of submission of nominations: 17th May 2010

Program dates: 20 - 21 May 2010 & Timing: 9:30 hrs – 17:30 hrs

Venue: Indian Statistical Institute, Bangalore

Contact: Program Director – CTA01,
SQC & OR Unit, Indian Statistical Institute,
8th Mile, Mysore Road, Bangalore –560059, INDIA

Fax: +91-80-28484910 / 28484265

Phone: + 91-80-28483 007

email: boby@isibang.ac.in & islam2060@gmail.com

Indian Statistical Institute

1. Indian Statistical Institute is a quasi central organization under the Ministry of Planning.
2. It is declared by an Act of Parliament as an Institute of National Importance.
3. Over the years, the Institute has grown as a multi-disciplinary organization.
4. It functions as a University empowered to award degrees up to Ph.D.; as a Corporation in undertaking large scale projects; as a Firm of Consultants to industries to improve Quality, Reliability & Efficiency and as a Meeting place of Scientists, Economists & Literary figures from all parts of the world.

Role & Function of SQC & OR Division

1. The pioneer and leader in blending statistical theory with practice and institutionalizing the continuous improvement process into a sustaining system.
2. To strengthen national economy through continual search for excellence in Quality.
3. To disseminate the basic concepts and techniques for Quality Improvement by organizing Training programs, Workshops and In-house programs.
4. To develop highly skilled professionals capable of self actualization.
5. To help industries in their efforts to cope up with the growing challenge of global competition through implementation of quality system based on ISO-9000 series, ISO-14000, QS-9000 standards, Six Sigma & World Class Manufacturing.
6. To continually develop and improve methodologies through applied research efforts to attain International Standards in services provided.