

Statistics for Non-Statisticians - Concepts useful for Clinical Research

April 29-30, 2011 at ACE, Bombay College of Pharmacy, Kalina, SantaCruz, Mumbai

Co-sponsored by Academy for Clinical Excellence (ACE)

Faculty:

Dr. Ashwini Mathur, Novartis

Dr. Vishwanath (Mahesh) Iyer, Novartis Oncology

Abstract:

This course will be an overview of statistical concepts used in clinical research with an emphasis on interpretation rather than on calculations or mathematical details. It will introduce the principles of statistical inference which form the basis for good clinical research. Participants will learn about the application of statistical methods to the design and analysis of clinical trials. Concepts will be illustrated with live examples*. The course will help develop the ability for "statistical thinking" which will enable understanding of study protocols and reports, and critical reading of scientific literature.

Audience:

All clinical research professionals without formal training in mathematics or statistics; Graduating students of statistics interested in a career in clinical research; Professional statisticians interested in a refresher course

Workshop - Day 1

8:45 AM – 9:00 AM : Welcome by Dr. Kulkarni, Director of ACE
9:00 AM – 10:00 AM : Describing Data
10:15 AM – 11:15 AM : Sampling Variability and Confidence Intervals
11:30 AM – 1:00 PM : An Introduction to Hypothesis Testing
2:00 PM – 3:00 PM : Two sample and Paired t-test
3:15 PM – 4:15 PM : ANOVA
4:15 PM – 5:00 PM : Correlation and linear regression

Workshop - Day 2

9:00 AM - 10:00 AM : Correlation and linear regression
10:00 AM – 12:30 PM: Proportions , Contingency Tables and Chi-square test
12:30 PM - 1:00 PM : Logistic regression
2:00 PM – 3:00 PM: Logistic regression
3:00 PM – 4:00 PM: When Time Is of Interest: The Case for Survival Analysis
4.15 PM – 5:30 PM: Issues in study design including sample size
5:30 Pm – Close Out

Testimonials from Bengaluru Workshop

*What was good about the workshop?
"Presenters and the way they made learning statistics a fun experience".*

What would you do differently (after the workshop) ?

*"Think before using any analysis
"Interpret results differently".*

Workshop Fees

INR 4000 (includes attendance, course-material, lunch and tea for two days)

Registration & Payment

To register, please email Jagannatha.P.S@gsk.com with the following details:

Name of participant:

Name of organization:

Email ID:

Registration deadline is **April 22nd**

Deposit the amount to IASCT Bank account and inform by email to: Jagannatha.P.S@gsk.com

Name of Bank: HDFC Bank Ltd.

Branch: K H Road

Bengaluru 560027

Beneficiary: Indian Association for Statistics in Clinical Trials

A/c Number : 12062020005242

*Participants are requested to bring laptops with Microsoft Excel

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