Decision & Cost Effectiveness Analysis using TreeAge

2-Day Professional Development Workshop

East Asia Training & Consultancy Pte Ltd invites you to attend a two-day professional development workshop, reviewing comparative and cost effectiveness analysis using TreeAge software to analyse the course databases. TreeAge is particular useful to professionals working in areas of biostatistics, epidemiology, medical research and healthcare analysis.

Course Outline

Here is just a sampling for what your will learn in our two-day training program, designed for both the beginning and intermediate user:

- Learn about Cost-Effectiveness & Inverted Cost-Effectiveness Analysis

- Pick up tips & tricks on how to efficiently build models

- Learn how to use variables and sensitivity analysis

- Learn basic and advanced Markov Modeling techniques

- Gain a thorough understanding of Monte Carlo Simulation

- Reinforce your learning through a Markov/Cost-Effectiveness Model case study

Our courses are designed to deliver a firm grounding in relevant concepts and practical experience in applying these concepts to common decision analysis problems. Unlike other training classes that may leave you asking, "How do I apply this to my everyday job?," our two-day training program leaves you with proven techniques, templates and example models that you can refer to after the training.

Who should Attend

Researchers, physicians, clinicians, public health professionals, students and lecturers in biostatistics, epidemiology and biomedical sciences, from public and private institutions who wish to increase their familiarity with quantitative methods

in the principles of epidemiology and biostatistics, or epidemiology applied to health care planning and evaluation, so they can more effectively address problems in health research and use computational tools to solve practical problems.

Fee & Registration

The fee includes extensive course materials, data-sets, lectures, lunches, morning and afternoon coffee/tea breaks, receptions and the opportunity to network with medical researchers, epidemiologists and biostatisticians across the various industries in Asia.

This is a "hands-on" workshop. Participants are required to bring their own laptops pre-installed with Treeage software.

The number of participants is restricted. Please register early to guarantee your place. Please complete the official registration form and fax to (65)-62506369 or email it to us at administrator@eastasiatc.com.sg to reserve your place. Confirmation will only be made upon receiving full payment. Further instructions will be sent to confirmed participants.

Course Outline (subject to minor changes)

Day 1

9:00 – 10:30
- Intro to decision trees, including calculations (expected value, ICER)
- Building a simple decision tree

10:30 – 11:00
Morning coffee/tea breaks and snacks

11:00 – 12:30

East Asia Training & Consultancy Pte Ltd
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- Principles of CE analysis, using and understanding TreeAge Pro's graphical and numeric outputs, including dominance and extended dominance

- Using variables, running sensitivity analysis

12:30 – 13:30
Lunch

13:30 – 15:00

- Advanced variable concepts - building a cost formula, good design philosophies

- Reinforcement - a small modeling problem to build and analyze

15:00 -15:30

Afternoon tea/coffee breaks with snacks

15:30 -17:00

- Intro to Markov modeling - state-transition diagrams, cycle-tree representation, analysis by cohort simulation

- Advanced Markov techniques - time-dependent parameters, CE models

Day 2

9:00 – 10:30

- Monte Carlo simulation 1 - 1st and 2nd order simulations.

- Working with distributions; understanding the types of output, including ICER scatter plots, acceptability curves. Simulation in a Markov model.

10:30 – 11:00
Morning coffee/tea breaks and snacks

11:00 – 12:30

- Monte Carlo simulation 2 - Using tracker variables to retain patient history.

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12:30 – 13:30
Lunch

13:30 – 15:00
- Introduction to DATA Interactive - sharing models over the Internet, or building custom interfaces on a CD-ROM

15:00 – 15:30
Afternoon coffee/tea breaks and snacks

15:30-17:00
- Hands on modeling using a published HIV Markov model case study.
- Reinforces issues of model-building, variables, sensitivity analysis, Monte Carlo simulation, interpretation.

Participants are also welcome to bring your own data-sets to discuss with our trainer during tea breaks or after class.