

BSU Short Courses for 2012

NEW Bayesian Adaptive Designs Course

12th 13th January 2012

Two day course by Dr. Adrian Mander and Prof. David Spiegelhalter

Course Aim:

We give a short introduction to Bayesian methods

Explain how to apply Bayesian methods for adaptive designs in phase I to phase III clinical trials

Demonstrate how to implement adaptive trial designs using a mixture of Stand alone programs, R, Stata and WinBugs

Some of the methods are illustrated using real trial examples

PLEASE NOTE registration closes on 23rd December 2011

Practical use of Multiple Imputation to Handle Missing Data

22nd 23rd Feb 2012

Two day course by Mr. Ian White, Dr. Angela Wood, Prof Patrick Royston and Timothy Morris

Course Aim: To provide you with the ability to analyse your own data using multiple imputation and to make you aware of the pitfalls and limitations of the technique. Analyse rectangular datasets using standard regression models (e.g.: logistic, linear, survival

PLEASE NOTE registration closes on the 20th January 2012

Handling Missing Outcome Data in Randomised Trials

14th - 15th March 2012- Two day course by Mr. Ian White and Dr. Adrian Mander

Course Aim: The workshop will provide practising statisticians with the necessary practical skills to handle missing data in their analyses, and in particular to move beyond the use of complete-case analysis and last observation carried forward analysis. We will focus on trials with quantitative outcomes, and also consider binary outcomes but not time-to-event outcomes

For Course details or contact details to book this course see <http://www.mrc-bsu.cam.ac.uk/HTMRmiss/>

PLEASE NOTE registration for this course is not yet available

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Introduction to Bayesian Analysis using WinBUGS

23rd - 24th May 2012 - 24th - 25th Oct 2012

Two day course by Prof. David Spiegelhalter and Dr. David Lunn

Course Aim:- Introduction to the use of Monte Carlo Methods, Bayesian Methods, Markov chain Monte Carlo regression models and implementation of WinBUGS

For Course details or contact details to book this course see the [WinBUGS \(Introduction to Bayesian Analysis with WinBUGS\) Course](#) pages

PLEASE NOTE registration for this course is not yet available

WinBUGS in Health Economic Evaluations-

3rd - 4th October 2012

Lecturers: Dr. Chris Jackson and Dr. Richard Nixon

Course Aim:- We introduce Bayesian principles, Monte Carlo and MCMC methods using the WinBUGS software, with applications to cost-effectiveness analysis, Markov health economic models, and meta-analysis.

For further course details or contact details to book the next course see the [WinBUGS in Health Economic Evaluations Course](#) pages

PLEASE NOTE registration for this course is not yet available

Multivariable Model-building – **TBC**

Two day course by Prof. Patrick Royston and Prof. Willi Sauerbrei

Course Aim: A pragmatic approach to regression analysis based on fractional polynomials for modelling continuous variables.

Missing Data in Mental Health – **TBC**

New one day course by Mr. Ian White and Dr. Sabine Landau

Course Aim:

This course will discuss the problems of missing covariates and missing outcomes in mental health research. We will give a hands-on demonstration of some approaches that can be used to tackle these problems using Stata.