

FIRST ANNOUNCEMENT:

The Finnish Society of Biostatistics organizes a course on

SAS®/GLIMMIX for Mixed Models and Generalized Linear Mixed Models

23.–25.5.2012, Turku, Finland

by Professor Walt Stroup, PhD, University of Nebraska, Lincoln

Location and organization: Publicum, University of Turku. First two days (May 23rd and 24th) will consist of lectures and the last day (May 25th) will consist of practicals in the computer lab.

Participation fee and timetable: Information will be provided later through the society mailing list and the website (<http://www.biostatistiiikanseura.org/>).

Content:

This course surveys generalized linear mixed model methods and their implementation with SAS® PROC GLIMMIX. Our focus will be on model construction, estimation and inference in studies with various forms of clustering, including repeated measures, split-plot and multi-location studies. Mixed models for normally distributed data will be presented to review important concepts, but our focus will be on generalized linear mixed model for non-normal data (e.g. proportions and counts) The course will include use of mixed model methods for planning, design and sample size determination as well as data analysis. Planning and design are especially important because much of the conventional wisdom about design follows from normal theory; designs well-suited for normally distributed data are often poorly suited for non-normal data. All example will use SAS procedures, mostly PROC GLIMMIX, but some PROC NLMIXED (for certain GLMMs that cannot be implemented using GLIMMIX) and PROC MIXED and GENMOD (mostly for comparison with GLIMMIX). Attendees should have background in design and analysis of experiments.

Text: SAS for Mixed Models, 2nd ed.

More information: Society secretary John Aspegren (sihteeri@biostatistiiikanseura.org) or Society President Timo Hurme (timo.hurme@utu.fi)