



INSTITUT DE STATISTIQUE

UNIVERSITE CATHOLIQUE DE LOUVAIN

STATISTICS SEMINAR

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Halle-Wittenberg, Germany

"Parametric frailty models for clustered survival data"

Friday, March 27, 2009

14:30

Room : **c 115 (STAT)**

Abstract

Frailty models have become very popular during the last two decades and their applications are numerous. Shared frailty explains correlations between lifetimes within clusters (here, a cluster can consist of individuals from the same group, say a family, litter, clinic, community; or of multiple or recurrent events from the same individual). However, it does have some limitations. To avoid these limitations, correlated frailty models have been developed for the analysis of multivariate failure time data. The present talk discusses different parametric frailty models for clustered survival data and compares them with parametric proportional hazard models including random effects. The latter approach promise much more flexibility in modelling. Advantages and limitations of different model variants are discussed and illustrated by applications to real data.

You are welcome to the coffee break after the seminar (room : c 105)

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