Einladung zum Biometrischen Kolloquium

Wiener Biometrische Sektion
der Internationalen Biometrischen Gesellschaft
Region Österreich – Schweiz

Am 20.2.2017, 11-12h

MUW-CeMSIIS, Spitalgasse 23, 1090 Wien, BT 88, Informatik-Bibliothek 88.03.806

Host: Georg Heinze

MATHIAS SCHMID

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MODELING DISCRETE TIME-TO-EVENT DATA

Failure time analysis is one of the most important fields in statistical research, with applications affecting a wide range of disciplines, in particular, demography, econometrics, epidemiology and clinical research. Although many statistical methods for failure time analysis exist, many of them focus on failure times that are measured on a continuous scale. In empirical studies, however, failure times are often discrete, either because they have been measured in intervals (e.g., quarterly or yearly) or because they have been rounded or grouped.

The talk will provide an overview of statistical methods for the analysis of discrete failure times. It will deal with well-established methods like life table analysis and discrete hazard regression models, but will also address issues such as model evaluation, additive modeling and variable selection. Furthermore, relationships to failure time analysis in continuous time will be explained.