

MULTI-STATE MODELS AND PREDICTIVE SURVIVAL PROCESS

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The regular measurement of health indicators in longitudinal studies provides with important information on the prediction of patient survival. This kind of study involves both survival and repeated observations that can be analyzed through multi-state survival models when health evolution of patients is described as the changes between different health states. The construction of a predictive survival process for different patient histories provides a complete description of how changes in health status might affect survival. We present a graphical tool which allows plotting different aspects of the predictive survival process to visualize the dynamic effects of the prognostic indicators.