

Pattern Structures for Risk Group Identification

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The idea of individualized treatment is not novel but in recent times it became very popular. Risk group identification is one of the first and obvious ways to tailor therapy to patient characteristics. The most common approach used to discover groups of different risk is the Cox proportional hazard model. However, all regression models, including the Cox model, are not clearly interpretable for clinicians. As pattern structures can be applied to any type of object descriptions on which a partial order can be set, potentially they are a great tool to obtain risk group descriptions in a convenient form. This talk is devoted to a use case of pattern structures for risk group identification for acute lymphoblastic leukemia.