

Classification Trees in Army Applications

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Abstract

The classification tree is one of the more widely recognized tools for uncovering structure in large data sets. As is the case in many arenas, at the U.S. Army Research Laboratory greater use of computing, for example, to assist in data collection from on-line sensors or to generate data directly through simulation has broadened the amount of information gathered. Change is both in terms of the number of cases and the number of potential independent variables to be considered. This presentation focuses on a few recent examples of application where classification trees were helpful, if not essential, in recognizing useful data patterns.