Classification trees in the lattice of box extents of a context

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The purpose of this presentation is to show the effect of an elementary extension or reduction of a context on classification trees in the lattice of the box extents of a context. By elementary extension we mean that we add a new element to the context, of which attributes already exist in the set of attributes of this context.

We present two methods, algorithms, which construct the above mentioned classification trees in the lattice of box extents of the new (extended or reduced) context by modifying a classification tree belonging to the lattice of the old context.