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Multi-adjoint concept lattices with heterogeneous conjunctors and hedges. (English)

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Summary: This paper is related, on the one hand, to the framework of multi-adjoint concept lattices with heterogeneous conjunctors and, on the other hand, to the use of intensifying hedges as truth-stressers. Specifically, we continue on the line of recent works by Belohlavek and Vychodil, which use intensifying hedges as a tool to reduce the size of a concept lattice. In this paper we use hedges as a reduction tool in the general framework of multi-adjoint concept lattices with heterogeneous conjunctors.

MSC:

06B23 Complete lattices, completions

06A15 Galois correspondences, closure operators (in relation to ordered sets)

68T30 Knowledge representation

03G10 Logical aspects of lattices and related structures

Cited in 14 Documents

Keywords:

Galois connections; residuated algebras; formal concept analysis; multi-adjoint concept lattices

Software:

XPath

Full Text: [DOI](#)

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