

DUST-2 and Thesaurus Research

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Links to document and the results Additional links to the measurement data from DUST enable language based qualitative retrieval of quantitative data

The NaviCon Decision Suite is an analysis tool by which the user can autonomously analyse his qualitative data using methods of conceptual knowledge processing.

It consists of the following programs: - CERNATO is the newly developed program for the maintenance and conceptual structuring of the data. These structures are processed yielding

ilerarchical diagrams. TOSCANA is the program for viewing the liagrams and for graphical analysis. ANACONDA is the editor for the diagrams.

The Tools: NaviCon Decision Suite The NaviCon Decision Suite 1.0 analyses qualitative data like properties of products, performance attributes, or the description of members of a market. The new solution yields a complete overview over dependencies, exceptions, and common properties of data -hence, results which cannot be achieved by numerical calculations and cannot be represented by

ers. efore, besides the usage as a retrieval tool, us possibilities of applications show up: ustomer Relationship Management (CRM), in et research, and in competition analysis for the ion of market overviews and product parisons as well as for the selection of products d on given criteria.

The approach starts with human thinking: We think in concepts and images which are related to a complex pattern of associations and criteria for valuation and judgement. By the formalisation of concepts, this approach is used for practically usable solutions:

Starting with concepts and criteria and the relation between them, conceptual knowledge processing models formal concepts and their hierarchy in so called concept lattices and visualises them in diagrams.

The Method: Conceptual Knowledge Processing Because of the understandable representation, relations, exceptions, and redundancies in the conceptual structure of a thesaurus can be recognised. A conceptual structure of the domain of knowledge evolves.

Especially within retrieval, this graphical representation of the domain of knowledge supports the often inaccurate search.

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