

IC

CLASSIFICATION

INTERNATIONAL

Devoted to Concept Theory
Systematic Terminology &
Organization of Knowledge

Contents

The Necessity to Change the Face of Science

Customized Extracts Based on Boolean Queries
and Sentence Dependency Structures

Cluster Analysis as Structure Analysis

Concepts vs. Meaning as Reflected by the Works
of E. Wiister and L. Wittgenstein

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I.C. Vol. 16 (1989) No. 1

Nalimov, V.V.: **The necessity to change the face of science.** Int.Classif.16(1989)No.1,p.3-10, 31 refs.

A broad circle of problems is considered, which science of the future will have to face: rejection of the unconditional belief into scientific-technological progress as a blessing, changes in the conception of what is scientific in science; possibility of knowledge based on expanding, scientifically sound, ignorance; formation of a new paradigm as a multidimensional structure, revealing a holistic vision of the world. (Author)

Craven, T.C.: **Customized extracts based on Boolean queries and sentence dependency structures.** Int. Classif. 16(1989)No.1, p.11-14, 27 refs.

A method is described for using Boolean queries in automatically deriving customized extracts from a text in which semantic dependencies between sentences have been coded. Each sentence in the structured text is treated as defining a separate extract. This extract consists of the sentence and all other sentences on which the sentence is directly or indirectly dependent for its meaning. Extracts from a text that satisfy a given Boolean query are merged to eliminate duplicate sentences.

A prototype implementation of the method has been developed within an experimental text structure management system (TEXNET). (Author)

Schmidt, H.: **Clusteranalyse als Strukturanalyse.** (Clusteranalysis as structure analysis). Int.Classif. 16(1989) No.1, p.15-23, 70 refs.

Starting out from a general methodology of data controlled structural analysis, consequences from this methodology are drawn for a suitable utilization of cluster analysis in empirical investigations, with particular attention being paid to the question: "Given my specific query, what method is best suited to my data in my empirical and theoretical contexts?". The basis for answering this question is a hierarchically ordered system of method classes and corresponding structure classes, with target-oriented comparisons of the results yielded by the methods of a given class making it possible to obtain a data-related reply. This, in turn, leads to new starting points for solving the cluster number problem, for cluster-analysis method validation strategies, and for the evaluation and interpretation of cluster solutions. (Author)

Nedobity, W.: **Concepts vs meaning as reflected by the works of E. Wüster and L. Wittgenstein.** Int.Classif. 16(1989) No.1, p.24-26

Attempt at evaluating the different methods of investigating the meaning of a term in the writings of L. Wittgenstein and E. Wüster. It is shown that Wittgenstein's view of meaning is in contrast to conceptual thinking. The differences in approach and result are pointed out. Parallels of semantic methods to the ones in conceptology are shown. (Author)

Beilagenhinweis:

Einigen Ausgaben liegt ein Prospekt des Indcks Verlages bei sowie ein Call for Papers des Second International Congress, Terminology and Knowledge Engineering: Applications. Trier, 2-4 Oct. 1990

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