

Terminology and Terminological Systems

This book will provide readers with the essential information needed to understand knowledge representation with a focus on healthcare. The book will use health sector real world examples to delineate the principal issues and solutions for the field of data representation. The book will include a history of terminologies and in particular their use in healthcare. This book will cover the basis, authoring and use of reference terminologies including the formalisms needed to use them safely. The editor will exhaustively cover the field of concept-based indexing and will provide readers with an understanding of natural language processing and its application to health terminologies. The book will discuss terminology services and the architecture for terminological servers. This text will serve as the basis for a course or equally well as a reference text.

Twenty-five years ago the notion that terminology should be concept-based was all but unknown in healthcare; now almost all important terminologies are at least partly concept-based. With no general model of what a terminology was or should be, there were no tools to support terminology development and maintenance. Steady progress since then has improved both terminology content and the technology and processes used to sustain that content. For students, practitioners and managers, terminology and its understanding will be an asset to be leveraged in care and research. As the first book devoted to the story of terminology in healthcare, Terminology and Terminological Systems emphasizes the central topics of terminology, such as inter-enterprise clinical and research data aggregation, and will become vital to the professional lives of students of informatics. For students, practitioners and managers, terminology and its understanding will be an asset to be leveraged in care and research. As the first book devoted to the story of terminology in healthcare, Terminology and Terminological Systems emphasizes the central topics of terminology, such as inter-enterprise clinical and research data aggregation, and will become vital to the professional lives of students of informatics.



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