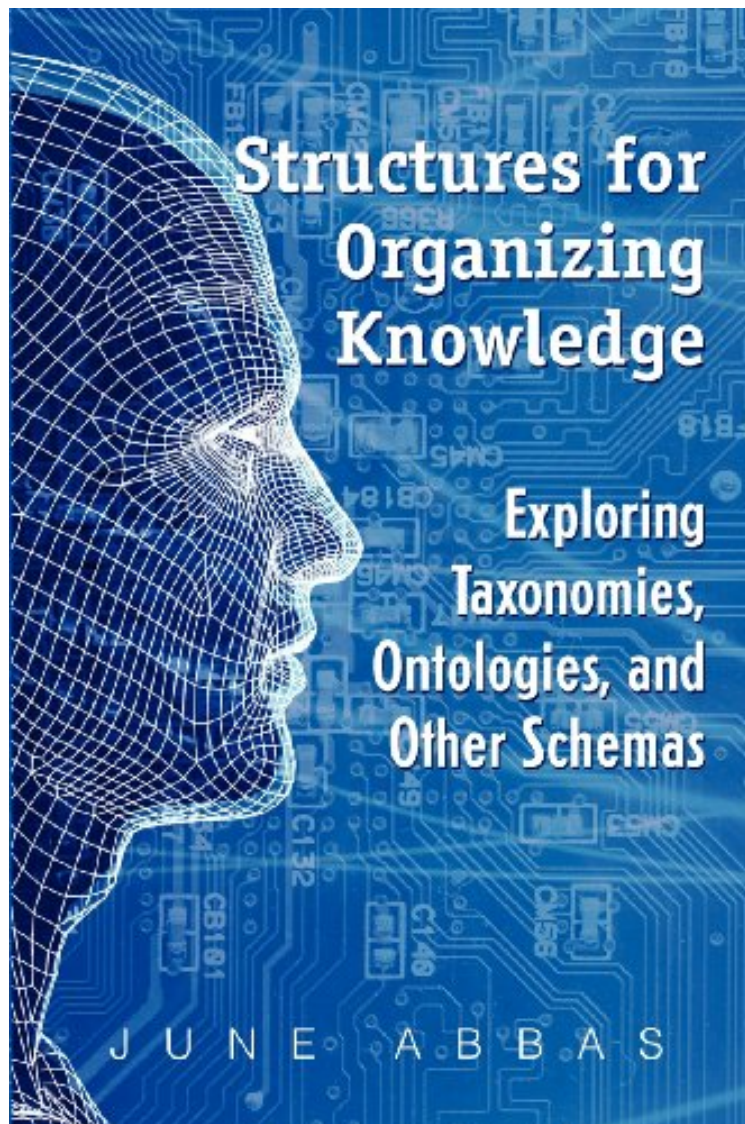


Structures for Organizing Knowledge: Exploring Taxonomies, Ontologies, and Other Schema

June Abbas

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June Abbas : Structures for Organizing Knowledge: Exploring Taxonomies, Ontologies, and Other Schema before purchasing it in order to gage whether or not it would be worth my time, and all praised Structures for Organizing Knowledge: Exploring Taxonomies, Ontologies, and Other Schema:

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lot, and have seen "CDO" positions created very recently ("chief data officer") that pay \$250K US plus, and are more and more being considered senior management, with all the stock and equity considerations of every other top contributor. And, for valid reasons: the hottest techs today live or die by their data. So who do you recruit for the high demand, low supply data science pros? Flex and bison programmers? IT folks? Suggestion: LIBRARIANS???? You won't laugh at me if you read this book! I've long suspected that one of these days companies like Google and would figure out that a lot of what they have been doing IS LIS. Abbas proves that point on every page here. Although this is an American Library Association technical text supposedly for library science, the eclectic applications for ALL knowledge organization jumps off of every page. The book is, as you'd expect, magnificently organized, and each sentence needs to be studied more than read. It packs about 10 volumes into one, and the scholarly notes and studies are only exceeded by the numerous practical examples, from personal organization to knowledge collections stretching from art to science to "everything else" in between. Remember the cute movie from 1,000 years ago when the how to succeed in business guy had a secret book that got him to the top? Well, if you're in tech, IT or data science, in or out of libraries, THIS IS that book, adjusted for 21st century realities! June adeptly covers every taxonomy known to man, from IT and bio to LIS, and from the most commonsense to the most computationally complex. The format is a 30,000 foot case by case examination, each with dozens of real life examples, research, studies and projects. Each chapter has dozens of web resources to study the examples further with ZERO dead links at this writing. You won't find a lot of math or code in the book, but can mine the references and web resources to your heart's content for same. June teases us with the "1,000 pound gorilla" in the room as she skillfully ties threads together with the perfect balance of humor and non-stuffy honesty: what about the USERS' needs and experiences? Since this is weighted to knowledge classification systems (of virtually every kind), she doesn't take a lot of time on type web x.o capabilities such as AI that suggests other keywords or links based on your previous purchases or searches, and I think some of those more "commercial" examples would add to this fine text. It probably goes without saying that this text is a MUST if you're doing a thesis or dissertation in this area, but it is so packed with relevant, practical information that even if you never need an inline citation, it will raise your awareness as a data and knowledge scientist in numerous unexpected ways, and like the how to succeed movie, few others in your circle will think to apply an LIS text to big data!!! In the compare options spirit, my other favorite text in this category is Glushko's *The Discipline of Organizing* which has twice the pages (nearly 500 vs. 249), hardcover, text rather than 7 x 10 size, and half the price. However Glushko has fewer references, study validations, project examples and outside web resources, and is more for practical data scientists and less relevant to scholars. Both are serious musts for big data, depending on your frame of reference. If you're an archivist at the Smithsonian, Glushko is a should, Abbas is a must if you get my distinction. Both are perfect if your work is judged on deep understanding of knowledge based organization, June has more relevance if your work is scrutinized by juried peers as well as users. Both will raise your KBO, LIS and big data vocabularies and glossaries to the stratosphere. Highly recommended. This text was sent by the ALA to our Library Picks sister company for a blurb in their 100,000 library database in the interest of full disclosure, so I didn't have to pay for it. IOW, I stole it, but will return it to their "library" once I convince myself I can let it go, which could take some time.

LIS professionals use structures for organizing knowledge when they catalog and classify objects in the collection, when they develop databases, when they design customized taxonomies, or when they search online. *Organizing Knowledge: Exploring Taxonomies, Ontologies, and Other Schema* explores and explains this basic function by looking at three questions: 1) How do we organize objects so that they make sense and are useful? 2) What role do categories, classifications, taxonomies, and other structures play in the process of organizing? 3) What do information professionals need to know about organizing behaviors in order to design useful structures for organizing knowledge? Taking a broad, yet specialized approach that is a first in the field, this book answers those questions by examining three threads: traditional structures for organizing knowledge; personal structures for organizing knowledge; and socially-constructed structures for organizing knowledge. Through these threads, it offers avenues for expanding thinking on classification and classification schemes, taxonomy and ontology development, and structures. Both a history of the development of taxonomies and an analysis of current research, theories, and applications, this volume explores a wide array of topics, including the new digital, social aspect of taxonomy development. Examples of subjects covered include: formal and informal structures; early taxonomists and their contributions; cataloging codes; classification schemes; standards and best practice; descriptive cataloging; metadata schema standards; applications of knowledge structures; classification schemes; social networking, bookmarking, and cataloging sites; tags, tagging, and folksonomies. Thought exercises, references, and a list of helpful websites augment each section. A final chapter, "Thinking Ahead: Are We at a Crossroads?" uses 'envisioning exercises' to help LIS professionals look into the future.

"An excellent primer on expanding one's concepts of knowledge organization, Abbas' book is important reading for library and information science students learning about the organization of knowledge, as well as library professionals working in the cataloging and metadata fields, who have both the opportunity and the expertise to revitalize knowledge-organization structures." --College and Research Libraries, July 2011" Although primarily intended for

students of library and information science, researchers in library and information science and related fields will also find this mostly theoretical and conceptually oriented book useful. In addition, the practicing library and information science professional will be able to make practical use of the book's suggestions and guidelines for organizational application...Through excellent organization and depth of coverage of the subject, the author provides the reader with a solid foundation for thinking about knowledge structures for further practical implementation." --Catholic Library World, September 2011 "This work does not disappoint and manages to stand out from the many other works in the discipline for both its thoroughness and its treatment of digital schema in the context of overall organisation of knowledge...The book is scholarly but also accessible, with many examples and illustrations provided throughout to provide real life context to the concepts described." --The Australian Library Journal, August 2011 "This work does not disappoint and manages to stand out from the many other works in the discipline for both its thoroughness and its treatment of digital schema in the context of overall organisation of knowledge The book is scholarly but also accessible, with many examples and illustrations provided throughout to provide real life context to the concepts described." --The Australian Library Journal, August 2011 "a thoughtful survey of research finding and a stimulating complex of issues to ponder." --Library Resources Technical Services, July 2011