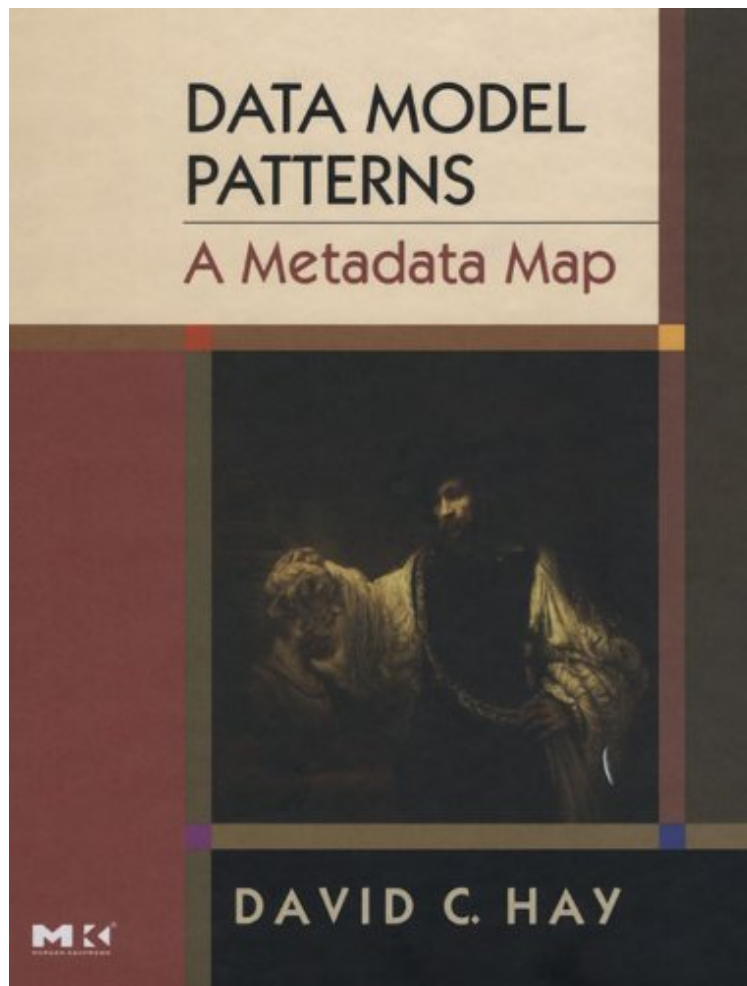


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Data Model Patterns: A Metadata Map (The Morgan Kaufmann Series in Data Management Systems)

David C. Hay

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David C. Hay : Data Model Patterns: A Metadata Map (The Morgan Kaufmann Series in Data Management Systems) before purchasing it in order to gage whether or not it would be worth my time, and all praised Data Model Patterns: A Metadata Map (The Morgan Kaufmann Series in Data Management Systems):

3 of 3 people found the following review helpful. Enterprise ArchitectureBy Retired ReaderThis is a very good book with a somewhat obscure title. Its subject is how to construct an information management system for a commercial enterprise. Its sub-title, "A Metadata Map" actually refers to the fact that the first step in building such a management system is to describe the business of the enterprise for which it is being constructed.What Hay has done is update the absolutely first rate work of John Zachman who over twenty years ago developed the "Enterprise Architectural Framework" which is essentially a matrix that can guide the development of an information management system based

on the organization structure and processes of the enterprise itself. The Zachman framework is the basis for the "Data Model Patterns" in the title of this book and indeed the book is organized around this framework. It provides step by step descriptions on the construction of an information management system for a notional enterprise. It should be noted that Hay is well aware that information management is more than simply building a database (data warehouse). Information storage is pointless without some means of organizing and classifying it. In his experience as a consultant to Oracle he learned to model the structure of an enterprise not simply a data base. This is something that is possible using a relational database which can be used to describe the structure of an organization. The "metadata" used in this book refers to a description of the information used and to the description of the enterprise itself. As Hay notes there are many resources that can be used when constructing an information management system for a commercial enterprise. For example he advises going to the Business Rules Group to obtain both correct terminology and rules compliant with standard business practices. This book is good as a practical guide and as an excellent exposition on the Zachman Framework. 11 of 11 people found the following review helpful. Great Stuff By R. Gantt This book is great stuff for Enterprise Architects. The discussion of Zachman is better than any of the Zachman Institutes articles. The explanation of the value of architectural meta-models is excellent. On the down side, the meta-models presented are very good EXCEPT that the author still presents data as being a part of an application. Surely 20 or so years after James Martin we are past that. Applications with their own data schemata are to be avoided and suppressed, rather than endorsed. If you are a "real" Enterprise Architect, then this is book indispensable, but review all of the meta-models carefully to insure that they comply with your particular religion. 1 of 4 people found the following review helpful. Excellent, detailed explanation of metadata By Howard Kay Hay provides an excellent conceptual explanation of metadata principles and design. It would benefit from a case study and examples throughout.

Data Model Patterns: A Metadata Map not only presents a conceptual model of a metadata repository but also demonstrates a true enterprise data model of the information technology industry itself. It provides a step-by-step description of the model and is organized so that different readers can benefit from different parts. It offers a view of the world being addressed by all the techniques, methods, and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.) and presents several concepts that need to be addressed by such tools. This book is pertinent, with companies and government agencies realizing that the data they use represent a significant corporate resource recognize the need to integrate data that has traditionally only been available from disparate sources. An important component of this integration is management of the "metadata" that describe, catalogue, and provide access to the various forms of underlying business data. The "metadata repository" is essential to keep track of the various physical components of these systems and their semantics. The book is ideal for data management professionals, data modeling and design professionals, and data warehouse and database repository designers. A comprehensive work based on the Zachman Framework for information architecture; encompassing the Business Owner's, Architect's, and Designer's views, for all columns (data, activities, locations, people, timing, and motivation) Provides a step-by-step description of model and is organized so that different readers can benefit from different parts Provides a view of the world being addressed by all the techniques, methods and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.) Presents many concepts that are not currently being addressed by such tools; and should be

ldquo;A very ambitious undertaking, masterfully described. To the best of my knowledge, this is the first published version of the detailed models implied by the Zachman Framework. David Hay builds the models one step at a time, describing in each increment why the new entities were added, and how they related to the rest of the model. At least as important he sprinkles in lessons learned from his vast experience modeling in various other industries. Dave McComb, President, Semantic Arts, and author of Semantics in Business Systemsldquo; Dave Hay's latest book provides detailed metaschemas for the main concepts underlying the Zachman Framework for Enterprise Architecture, incorporating recent proposals from the Business Rules Group. By covering this vast territory in an easy-to-read style, Dave provides a valuable resource that should be of interest to data modeling professionals. Terry Halpin, Neumont University From the Back Cover A very ambitious undertaking, masterfully described. To the best of my knowledge, this is the first published version of the detailed models implied by the Zachman Framework. David Hay builds the models one step at a time, describing in each increment why the new entities were added, and how they related to the rest of the model. At least as important he sprinkles in lessons learned from his vast experience modeling in various other industries. --Dave McComb, President, Semantic Arts Dave Hay's latest book provides detailed metaschemas for the main concepts underlying the Zachman Framework for Enterprise Architecture, incorporating recent proposals from the Business Rules Group. By covering this vast territory in an easy-to-read style, Dave provides a valuable resource that should be of interest to data modeling professionals. -- Terry Halpin, Neumont University In recent years, companies and government agencies have come to realize that the data they use represent a significant corporate resource, whose cost calls for management every bit as rigorous as the management of human resources, money, and capital equipment. With this realization has come recognition of the importance to integrate the data that has

traditionally only been available from disparate sources. An important component of this integration is the management of the metadata that describe, catalogue, and provide access to the various forms of underlying business data. The metadata repository is essential for keeping track both of the various physical components of these systems, but also their semantics. What do we mean by customer? Where can we find information about our customers? After years of building enterprise models for the oil, pharmaceutical, banking, and other industries, Dave Hay has here not only developed a conceptual model of such a metadata repository, he has in fact created a true enterprise data model of the information technology industry itself. - The book is comprehensive, in that it is based on the Zachman Framework for information architecture, encompassing the Business Owner's, Architect's, and Designer's views, for all columns (data, activities, locations, people, timing, and motivation).- The book is comprehensible, in that it provides a step-by-step description of model and is organized so that different readers can benefit from different parts;- The book takes advantage of the author's vast experience modeling various other industries;- The model provides a view of the world being addressed by all the techniques, methods and tools of the information processing industry (for example, object-oriented design, CASE, business process re-engineering, etc.). - Indeed it presents many concepts that are not currently being addressed by such tools, but should be. David C. Hay is founder of Essential Strategies, Inc., a consulting firm dedicated to helping clients define corporate information architecture, identify requirements, and plan strategies for the implementation of new systems, including data warehouses. A pioneer in the use of standard data models for standard business situations, he is the author of the book Data Model Patterns: Conventions of Thought. Taking advantage of thirty years' experience helping companies identify systems requirements, he is also the author of Requirements Analysis: From Business Views to Architecture. He is a member of DAMA International and the Oracle Development Tools User Group, and has spoken frequently at events sponsored by these groups and others.