Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence)

Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker

Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence)

Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker

Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker

This book describes exciting new opportunities for utilizing robust graph representations of data with common machine learning algorithms. Graphs can model additional information which is often not present in commonly used data representations, such as vectors. Through the use of graph distance - a relatively new approach for determining graph similarity - the authors show how well-known algorithms, such as k-means clustering and k-nearest neighbors classification, can be easily extended to work with graphs instead of vectors. This allows for the utilization of additional information found in graph representations, while at the same time employing well-known, proven algorithms. To demonstrate and investigate these novel techniques, the authors have selected the domain of web content mining, which involves the clustering and classification of web documents based on their textual substance. Several methods of representing web document content by graphs are introduced; an interesting feature of these representations is that they allow for a polynomial time distance computation, something which is typically an NP-complete problem when using graphs. Experimental results are reported for both clustering and classification in three web document collections, using a variety of graph representations, distance measures, and algorithm parameters. In addition, this book describes several other related topics, many of which provide excellent starting points for researchers and students interested in exploring this new area of machine learning further. These topics include creating graph-based multiple classifier ensembles through random node selection and visualization of graph-based data using multidimensional scaling.

Download and Read Free Online Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker

---

From reader reviews:

Robert Arnett:

Often the book Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) has a lot details on it. So when you read this book you can get a lot of gain. The book was authored by the very famous author. The writer makes some research prior to write this book. This book very easy to read you can get the point easily after scanning this book.

Patrick Perkins:

Playing with family inside a park, coming to see the sea world or hanging out with pals is thing that usually you have done when you have spare time, after that why you don't try matter that really opposite from that. One particular activity that make you not experience tired but still relaxing, trilling like on roller coaster you already been ride on and with addition info. Even you love Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence), you are able to enjoy both. It is good combination right, you still would like to miss it? What kind of hang type is it? Oh can occur its mind hangout guys. What? Still don't buy it, oh come on its referred to as reading friends.

Nyla Gomez:

Don't be worry in case you are afraid that this book can filled the space in your house, you can have it in e-book approach, more simple and reachable. This specific Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) can give you a lot of good friends because by you looking at this one book you have thing that they don't and make a person more like an interesting person. That book can be one of one step for you to get success. This e-book offer you information that might be your friend doesn't realize, by knowing more than other make you to be great people. So , why hesitate? Let me have Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence).

Robert Alcock:

A lot of publication has printed but it differs from the others. You can get it by internet on social media. You can choose the most beneficial book for you, science, comedian, novel, or whatever through searching from it. It is known as of book Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence). You'll be able to your knowledge by it. Without departing the printed book, it could possibly add your knowledge and make a person happier to read. It is most significant that, you must aware about book. It can bring you from one

location to other place.

Read Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker for online ebook

Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker books to read online.

Online Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker ebook PDF download

Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker Doc

Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker Mobipocket

Graph-Theoretic Techniques for Web Content Mining (Machine Perception and Artificial Intelligence) (Series in Machine Perception and Artificial Intelligence) by Adam Schenker, Horst Bunke, Mark Last, Abraham Kandel, Dam Schenker EPub