Data Structures Outside-In With Java
This innovative new book encourages readers to utilize the “Outside-In” approach to learning the use, design and implementation of data structures. The author introduces every data structure by first narrating its properties and use in applications (the "outside" view). This provides a clear introduction to data structures with realistic context where it is used. Venugopal then details how to build data structures (the "inside" view); readers learn how to evaluate usability, flexibility, extensibility, and performance in designing and implementing classic data structures.

**Book Information**

Paperback: 584 pages  
Publisher: Pearson; 1 edition (November 20, 2006)  
Language: English  
ISBN-10: 0131986198  
Product Dimensions: 6.7 x 1.1 x 9.1 inches  
Shipping Weight: 1.4 pounds  
Average Customer Review: 3.2 out of 5 stars  
Best Sellers Rank: #483,035 in Books (See Top 100 in Books)  
#54 in Books > Computers & Technology > Programming > Algorithms > Data Structures  
#80 in Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Structured Design  
#184 in Books > Textbooks > Computer Science > Object-Oriented Software Design

**Customer Reviews**

This is a good textbook, but its not worth buying because there is a free pdf circulating amongst the students and online. And its price is a bit high also, but if you prefer a hard copy, this is a necessity.

Well constructed examples make this a good one to have and hold on to after class is over. I required this for a Wireless Computer Engineering major. Really like the book and will not trade it in after the class ends.

Venugobal makes a good choice in teaching data structures via the java interfaces. After all, as a java programmer, if you are learning some new java package, this is exactly how you probably learn it. A major point about the object oriented approach and encapsulation is to hide implementation details as lower level stuff. So what happens in the book is that while learning about various data
structures in the general sense, you can also quickly code and learn about using them. By availing
yourself of those built into java. The standard java packages summarise a lot of effort by Sun in
writing stable, highly debugged structures. Of course, in a book like this, you do also need to
understand implementations. A given data structure and algorithms that use it should not be a total
black box. Hence, there are many details about sorting routines, queue implementations and tree
traversals. There is a reasonable amount of rigour. Though the book is not at the level of Knuth’s Art
Programming Series). Venugopal’s exercises are a lot simpler than Knuth’s. However, if you are a
java programmer, and you want to focus on what you are likely to most use, try looking into the hash
table. In my java coding experience, the java Hashtable and HashSet are really common and useful
entities. It turns out that they are also very easy to learn to use.

The only reason this book seems to have such a low rating here is because of the binding.
Personally, I have faced no such problems. However, the more important part of this book to
consider is the actual content, which is actually very impressive. Sesh manages to put some of the
hardest concepts for undergraduate computer science into plain English. I wouldn’t be passing my
Data Structures class without the use of this book, which contains even more material than is
needed for the class.

Sesh is very knowledgable professor and his book is easy-to-understand. Recommend

Download to continue reading...

JAVA: Quick and Easy JAVA Programming for Beginners (Java, java programming, java for
dummies, java ee, java swing, java android, java mobile java apps) JAVA: The Ultimate Guide to
Learn Java Programming Fast (Programming, Java, Database, Java for dummies, coding books,
java programming) (HTML, Javascript, ... Developers, Coding, CSS, PHP Book 1) Data Structures
in Java: From Abstract Data Types to the Java Collections Framework Data Structures Outside-In
with Java JAVA: Easy Java Programming for Beginners, Your Step-By-Step Guide to Learning Java
Programming (Java Series) Java: The Ultimate Guide to Learn Java and C++ (Programming, Java,
Database, Java for dummies, coding books, C programming, c plus plus, programming for ...
Developers, Coding, CSS, PHP Book 2) Data Architecture: A Primer for the Data Scientist: Big
Data, Data Warehouse and Data Vault Data Analytics: Practical Data Analysis and Statistical Guide
to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ...
(Hacking Freedom and Data Driven Book 2) Starting Out with Java: From Control Structures

Dmca