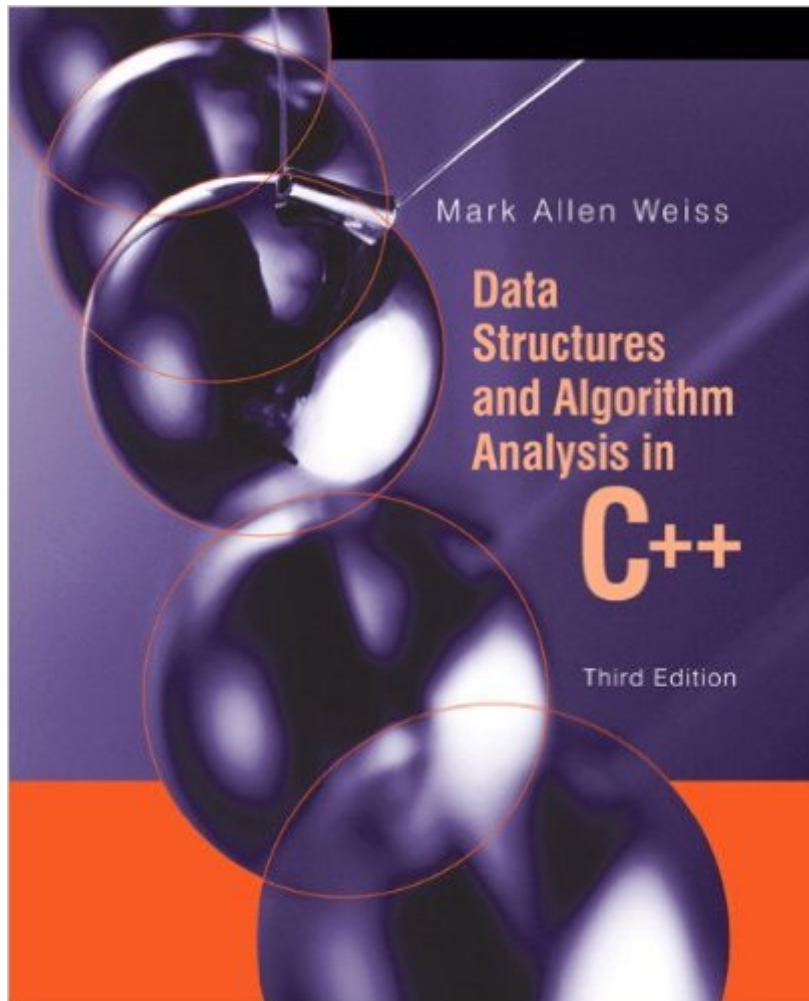# Data Structures And Algorithm Analysis In C++ (3rd Edition)

Synopsis

In this text, readers are able to look at specific problems and see how careful implementations can reduce the time constraint for large amounts of data from several years to less than a second. Class templates are used to describe generic data structures and first-class versions of vector and string classes are used. Included is an appendix on a Standard Template Library (STL). This text is for readers who want to learn good programming and algorithm analysis skills simultaneously so that they can develop such programs with the maximum amount of efficiency. Readers should have some knowledge of intermediate programming, including topics as object-based programming and recursion, and some background in discrete math.

Book Information

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Customer Reviews

This is the biggest problem with the text book (from the author's web site at [...])"This is the only way to get solutions. I do not have any copies of solutions manuals. As a matter of policy, I cannot provide answers to questions in the text, because it is impossible for me to determine if I would be doing somebody's homework. Thus, I must decline to answer the growing number of emails that request such assistance. "Mr. Weiss, I respectfully disagree. While it is not your job to *do* someone's homework, it is your job to help them find their way. Certainly, not via email. But there's an implied contract when the book is purchased that there will be sufficient methods of gaining proficiency. Aside from trying to write the data structures on your own, there is no other way. The questions are pointless if the only way to get a solution manual is to be an instructor and buy it from

the publisher's sales rep, you're cheating the student out of what you were paid to do! Take the time to create more questions, supply only the even or odd answers, but for God's sake have mercy upon the souls of the students stuck for 16 weeks with your book!With that out of the way, and assuming that you're a motivated student who digs computers, this book isn't bad at all. There are some notable problems as indicated in other reviews. The path to examples can be poorly laid out, and the source code can be confusing. And at times, the book can lean into confusing the reader to the point of making them give up.An example of this is on page 161 discussing B-Trees and sizing M and L. Mr. Weiss gives a run down of how to select these variables for the B-Tree, using sentences such as "32M-32 bytes".

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