

# Effective C 55 Specific Ways To Improve Your Programs And Designs Scott Meyers

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[How Learning Works](#) Addison-Wesley Professional

The Public Health Foundation (PHF) in partnership with the Centers for Disease Control and Prevention (CDC) is pleased to announce the availability of Epidemiology and Prevention of Vaccine-Preventable Diseases, 13th Edition or "The Pink Book" E-Book. This resource provides the most current, comprehensive, and credible information on vaccine-preventable diseases, and contains updated content on immunization and vaccine information for public health practitioners, healthcare providers, health educators, pharmacists, nurses, and others involved in administering vaccines. "The Pink Book E-Book" allows you, your staff, and others to have quick access to features such as keyword search and chapter links. Online schedules and sources can also be accessed directly through e-readers with internet access. Current, credible, and comprehensive, "The Pink Book E-Book" contains information on each vaccine-preventable disease and delivers immunization providers with the latest information on: Principles of vaccination General recommendations on immunization Vaccine safety Child/adult immunization schedules International vaccines/Foreign language terms Vaccination data and statistics The E-Book format contains all of the information and updates that are in the print version, including:

- New vaccine administration chapter
- New recommendations regarding selection of storage units and temperature monitoring tools
- New recommendations for vaccine transport
- Updated information on available influenza vaccine products
- Use of Tdap in pregnancy
- Use of Tdap in persons 65 years of age or older
- Use of PCV13 and PPSV23 in adults with immunocompromising conditions
- New licensure information for varicella-zoster immune globulin

Contact bookstore@phf.org for more information. For more news and specials on immunization and vaccines visit the Pink Book's Facebook fan page

**A First Course in Programming and**

**Statistics** World Health Organization More than 150,000 copies in print! Praise for Scott Meyers' first book, Effective C++: "I heartily recommend Effective C++ to anyone who aspires to mastery of C++ at the intermediate level or above." – The C/C++ User's Journal From the author of the indispensable Effective C++, here are 35 new ways to improve your programs and designs. Drawing on years of experience, Meyers explains how to write software that is more effective: more efficient, more robust, more consistent, more portable, and more reusable. In short, how to write C++ software that's just plain better. More Effective C++ includes: Proven methods for improving program efficiency, including incisive examinations of the time/space costs of C++ language features Comprehensive descriptions of advanced techniques used by C++ experts, including placement new, virtual constructors, smart pointers, reference counting, proxy classes, and double-dispatching Examples of the profound impact of exception handling on the structure and behavior of C++ classes and functions Practical treatments of new language features, including bool, mutable, explicit, namespaces, member templates, the Standard Template Library, and more. If your compilers don't yet support these features, Meyers shows you how to get the job done without them. More Effective C++ is filled with pragmatic, down-to-earth advice you'll use every day. Like Effective C++ before it, More Effective C++ is essential reading for anyone working with C++. How to Write Papers That Get Cited and Proposals That Get Funded Penguin "Every C++ professional needs a copy of Effective C++ . It is an absolute must-read for anyone thinking of doing serious C++ development. If you've never read Effective C++ and you think you know everything about C++ , think again."--Steve Schirripa, Software Engineer, Google "C++ and the C++ community have grown up in the last

fifteen years, and the third edition of Effective C++ reflects this. The clear and precise style of the book is evidence of Scott's deep insight and distinctive ability to impart knowledge." - Gerhard Kreuzer, Research and Development Engineer, Siemens AG The first two editions of Effective C++ were embraced by hundreds of thousands of programmers worldwide. The reason is clear: Scott Meyers' practical approach to C++ describes the rules of thumb used by the experts - the things they almost always do or almost always avoid doing - to produce clear, correct, efficient code. The book is organized around 55 specific guidelines, each of which describes a way to write better C++. Each is backed by concrete examples. For this third edition, more than half the content is new, including added chapters on managing resources and using templates. Topics from the second edition have been extensively revised to reflect modern design considerations, including exceptions, design patterns, and multithreading. Important features of Effective C++ include: Expert guidance on the design of effective classes, functions, templates, and inheritance hierarchies. Applications of new "TR1" standard library functionality, along with comparisons to existing standard library components. Insights into differences between C++ and other languages (e.g., Java, C#, C) that help developers from those languages assimilate "the C++ way" of doing things.

[Why Today's Super-Connected Kids Are Growing Up Less Rebellious, More Tolerant, Less Happy--and Completely Unprepared for Adulthood--and What That Means for the Rest of Us](#) Addison-Wesley Professional

In this pathbreaking book, world-renowned Harvard Business School service firm experts James L. Heskett, W. Earl Sasser, Jr. and Leonard A. Schlesinger reveal that leading companies stay on top by managing the service profit chain. Why are a select few service firms better at what they do -- year in and year out -- than their competitors? For most senior managers, the profusion of anecdotal "service excellence" books fails to address this key question. Based on five years of painstaking research, the authors show how managers at American Express, Southwest Airlines,

Banc One, Waste Management, USAA, MBNA, Intuit, British Airways, Taco Bell, Fairfield Inns, Ritz-Carlton Hotel, and the Merry Maids subsidiary of ServiceMaster employ a quantifiable set of relationships that directly links profit and growth to not only customer loyalty and satisfaction, but to employee loyalty, satisfaction, and productivity. The strongest relationships the authors discovered are those between (1) profit and customer loyalty; (2) employee loyalty and customer loyalty; and (3) employee satisfaction and customer satisfaction. Moreover, these relationships are mutually reinforcing; that is, satisfied customers contribute to employee satisfaction and vice versa. Here, finally, is the foundation for a powerful strategic service vision, a model on which any manager can build more focused operations and marketing capabilities. For example, the authors demonstrate how, in Banc One's operating divisions, a direct relationship between customer loyalty measured by the "depth" of a relationship, the number of banking services a customer utilizes, and profitability led the bank to encourage existing customers to further extend the bank services they use. Taco Bell has found that their stores in the top quadrant of customer satisfaction ratings outperform their other stores on all measures. At American Express Travel Services, offices that ticket quickly and accurately are more profitable than those which don't. With hundreds of examples like these, the authors show how to manage the customer-employee "satisfaction mirror" and the customer value equation to achieve a "customer's eye view" of goods and services. They describe how companies in any service industry can (1) measure service profit chain relationships across operating units; (2) communicate the resulting self-appraisal; (3) develop a "balanced scorecard" of performance; (4) develop a recognitions and rewards system tied to established measures; (5) communicate results company-wide; (6) develop an internal "best practice" information exchange; and (7) improve overall service profit chain performance. What difference can service profit chain management make? A lot. Between 1986 and 1995, the common stock prices of the companies studied by the authors increased 147%, nearly twice as fast as the price of the stocks of their closest competitors. The proven success and high-yielding results from these high-achieving companies will make The Service Profit Chain required reading for senior, division, and business unit managers in all service

companies, as well as for students of service management.

Tested New Ways to Increase Your Personal and Social Effectiveness Pearson Education  
Write Truly Great iOS and OS X Code with Objective-C 2.0!  
Effective Objective-C 2.0 will help you harness all of Objective-C's expressive power to write OS X or iOS code that works superbly well in production environments. Using the concise, scenario-driven style pioneered in Scott Meyers' best-selling Effective C++, Matt Galloway brings together 52 Objective-C best practices, tips, shortcuts, and realistic code examples that are available nowhere else. Through real-world examples, Galloway uncovers little-known Objective-C quirks, pitfalls, and intricacies that powerfully impact code behavior and performance. You'll learn how to choose the most efficient and effective way to accomplish key tasks when multiple options exist, and how to write code that's easier to understand, maintain, and improve. Galloway goes far beyond the core language, helping you integrate and leverage key Foundation framework classes and modern system libraries, such as Grand Central Dispatch. Coverage includes Optimizing interactions and relationships between Objective-C objects Mastering interface and API design: writing classes that feel "right at home" Using protocols and categories to write maintainable, bug-resistant code Avoiding memory leaks that can still occur even with Automatic Reference Counting (ARC) Writing modular, powerful code with Blocks and Grand Central Dispatch Leveraging differences between Objective-C protocols and multiple inheritance in other languages Improving code by dictionaries, and sets Uncovering surprising power in the Cocoa and Cocoa Touch frameworks

**No More Mr. Nice Guy!** Effective C++50 Specific Ways to Improve Your Programs and Designs You Will Learn C! Zed Shaw has crafted the perfect course for the

beginning C programmer eager to advance their skills in any language. Follow it and you will learn the many skills early and junior programmers need to succeed—just like the hundreds of thousands of programmers Zed has taught to date! You bring discipline, commitment, persistence, and experience with any programming language; the author supplies everything else. In *Learn C the Hard Way*, you'll learn C by working through 52 brilliantly crafted exercises. Watch Zed Shaw's teaching video and read the exercise. Type his code precisely. (No copying and pasting!) Fix your mistakes. Watch the programs run. As you do, you'll learn what good, modern C programs look like; how to think more effectively about code; and how to find and fix mistakes far more efficiently. Most importantly, you'll master rigorous defensive programming techniques, so you can use any language to create software that protects itself from malicious activity and defects. Through practical projects you'll apply what you learn to build confidence in your new skills. Shaw teaches the key skills you need to start writing excellent C software, including Setting up a C environment Basic syntax and idioms Compilation, make files, and linkers Operators, variables, and data types Program control Arrays and strings Functions, pointers, and structs Memory allocation I/O and files Libraries Data structures, including linked lists, sort, and search Stacks and queues Debugging, defensive coding, and automated testing Fixing stack overflows, illegal memory access, and more Breaking and hacking your own C code It'll Be Hard at First. But Soon, You'll Just Get It—And That Will Feel Great! This tutorial will reward you for every minute you put into it. Soon, you'll know one of the world's most powerful programming languages. You'll be a C programmer.

*Realizing Opportunity for All Youth* OUP USA

Use this helpful book to learn about the leadership tools to fuel success, grow your team, and become the visionary you were meant to be. True leadership isn't a matter of having a certain job or title. In fact, being chosen for a position is only

the first of the five levels every effective leader achieves. To become more than "the boss" people follow only because they are required to, you have to master the ability to invest in people and inspire them. To grow further in your role, you must achieve results and build a team that produces. You need to help people to develop their skills to become leaders in their own right. And if you have the skill and dedication, you can reach the pinnacle of leadership—where experience will allow you to extend your influence beyond your immediate reach and time for the benefit of others. The 5 Levels of Leadership are: 1. Position—People follow because they have to. 2. Permission—People follow because they want to. 3. Production—People follow because of what you have done for the organization. 4. People Development—People follow because of what you have done for them personally. 5. Pinnacle—People follow because of who you are and what you represent. Through humor, in-depth insight, and examples, internationally recognized leadership expert John C. Maxwell describes each of these stages of leadership. He shows you how to master each level and rise up to the next to become a more influential, respected, and successful leader.

**Effective STL** John Wiley & Sons  
The Second Edition of Johnny Saldaña's international bestseller provides an in-depth guide to the multiple approaches available for coding qualitative data. Fully up to date, it includes new chapters, more coding techniques and an additional glossary. Clear, practical and authoritative, the book: -describes how coding initiates qualitative data analysis -demonstrates the writing of analytic memos -discusses available analytic software -suggests how best to use The Coding Manual for Qualitative

Researchers for particular studies. In total, 32 coding methods are profiled that can be applied to a range of research genres from grounded theory to phenomenology to narrative inquiry. For each approach, Saldaña discusses the method's origins, a description of the method, practical applications, and a clearly illustrated example with analytic follow-up. A unique and invaluable reference for students, teachers, and practitioners of qualitative inquiry, this book is essential reading across the social sciences.

**Proven Steps to Maximize Your Potential** Pearson Education  
Scott Meyers's seminal C++ books—Effective C++ , More Effective C++ , and Effective STL —have been immensely helpful to hundreds of thousands of C++ programmers. All three are finally available together in this eBook collection. Effective C++ has been embraced by hundreds of thousands of programmers worldwide. The reason is clear: Scott Meyers's practical approach to C++ describes the rules of thumb used by the experts to produce clear, correct, efficient code. The book is organized around 55 specific guidelines, each of which describes a way to write better C++. Each is backed by concrete examples. In More Effective C++, Meyers presents 35 ways to improve your programs and designs. Drawing on years of experience, Meyers explains how to write software that is more effective: more efficient, more robust, more consistent, more portable, and more reusable. In short, how to write C++ software that's just plain better. In Effective STL, Meyers goes beyond describing what's in the STL to show you how to use it. Each of the book's 50 guidelines is backed by Meyers's legendary analysis and incisive examples, so you'll learn not only what to do, but also when to do it—and why. Together in this collection, these books include the following important features: Expert guidance on the design of effective classes, functions, templates, and inheritance hierarchies. Applications of new "TR1"

standard library functionality, along with comparisons to existing standard library components. Insights into differences between C++ and other languages (e.g., Java, C#, C) that help developers from those languages assimilate "the C++ way" of doing things. Proven methods for improving program efficiency, including incisive examinations of the time/space costs of C++ language features Comprehensive descriptions of advanced techniques used by C++ experts, including placement new, virtual constructors, smart pointers, reference counting, proxy classes, and double-dispatching Examples of the profound impact of exception handling on the structure and behavior of C++ classes and functions Practical treatments of new language features, including bool, mutable, explicit, namespaces, member templates, the Standard Template Library, and more. If your compilers don't yet support these features, Meyers shows you how to get the job done without them. Advice on choosing among standard STL containers (like vector and list), nonstandard STL containers (like hash\_set and hash\_map), and non-STL containers (like bitset). Techniques to maximize the efficiency of the STL and the programs that use it. Insights into the behavior of iterators, function objects, and allocators, including things you should not do. Guidance for the proper use of algorithms and member functions whose names are the same (e.g., find), but whose actions differ in subtle (but important) ways. Discussions of potential portability problems, including straightforward ways to avoid them.

*More Effective C++* "O'Reilly Media, Inc."  
Offers information on using the C++ programming language using the new C++11 standard, covering such topics as concurrency, facilities, standard libraries, and design techniques.

**Developing an Effective Evaluation Plan** Running PressBook Pub

The New York Times best-selling book exploring the counterproductive reactions white people have when their assumptions about race are challenged, and how these reactions maintain racial inequality. In this "vital, necessary, and beautiful book" (Michael Eric Dyson), antiracist educator Robin DiAngelo deftly illuminates the phenomenon of white fragility and "allows us to understand racism as a practice not restricted to 'bad people' (Claudia Rankine). Referring to the defensive moves that white people make when challenged racially, white fragility is characterized by emotions such as anger, fear, and guilt, and by behaviors including argumentation and silence. These behaviors, in turn, function to reinstate white racial equilibrium and prevent any meaningful cross-racial dialogue. In this in-depth exploration, DiAngelo examines how white fragility develops, how it protects racial inequality, and what we can do to engage more constructively.

Seven Research-Based Principles for Smart Teaching Center Street  
Based on careful analysis of burden of disease and the costs of interventions, this second edition of 'Disease Control Priorities in Developing Countries, 2nd edition' highlights achievable priorities; measures progress toward providing efficient, equitable care; promotes cost-effective interventions to targeted populations; and encourages integrated efforts to optimize health. Nearly 500 experts - scientists, epidemiologists, health economists, academicians, and public health practitioners - from around the world contributed to the data sources and methodologies, and identified challenges and priorities, resulting in this integrated, comprehensive reference volume on the state of health in developing countries.

Writing Science SAGE

The high-level language of R is recognized as one of the

most powerful and flexible statistical software environments, and is rapidly becoming the standard setting for quantitative analysis, statistics and graphics. R provides free access to unrivalled coverage and cutting-edge applications, enabling the user to apply numerous statistical methods ranging from simple regression to time series or multivariate analysis. Building on the success of the author's bestselling *Statistics: An Introduction using R*, *The R Book* is packed with worked examples, providing an all inclusive guide to R, ideal for novice and more accomplished users alike. The book assumes no background in statistics or computing and introduces the advantages of the R environment, detailing its applications in a wide range of disciplines. Provides the first comprehensive reference manual for the R language, including practical guidance and full coverage of the graphics facilities. Introduces all the statistical models covered by R, beginning with simple classical tests such as chi-square and t-test. Proceeds to examine more advanced methods, from regression and analysis of variance, through to generalized linear models, generalized mixed models, time series, spatial statistics, multivariate statistics and much more. The R Book is aimed at undergraduates, postgraduates and professionals in science, engineering and medicine. It is also ideal for students and professionals in statistics, economics, geography and the social sciences.

**Teaching in a Digital Age**

Little, Brown Spark  
Debunks the "nice guy syndrome," the need to please others at one's own expense with the hope of receiving

happiness, love, and fulfillment, and offers advice for how to rediscover oneself, revive one's sex life, and build better relationships with others.

**Epidemiology and Prevention of Vaccine-Preventable**

**Diseases, 13th Edition E-Book**

World Bank Publications

As seen in Time, USA TODAY, The Atlantic, The Wall Street Journal, and on CBS This Morning, BBC, PBS, CNN, and NPR, iGen is crucial reading to understand how the children, teens, and young adults born in the mid-1990s and later are vastly different from their Millennial predecessors, and from any other generation. With generational divides wider than ever, parents, educators, and employers have an urgent need to understand today's rising generation of teens and young adults. Born in the mid-1990s up to the mid-2000s, iGen is the first generation to spend their entire adolescence in the age of the smartphone. With social media and texting replacing other activities, iGen spends less time with their friends in person—perhaps contributing to their unprecedented levels of anxiety, depression, and loneliness. But technology is not the only thing that makes iGen distinct from every generation before them; they are also different in how they spend their time, how they behave, and in their attitudes toward religion, sexuality, and politics. They socialize in completely new ways, reject once sacred social taboos, and want different things from their lives and careers. More than previous generations, they are obsessed with safety, focused on tolerance, and have no patience for inequality. With the first members of iGen just graduating from college, we all need to understand them:

friends and family need to look out for them; businesses must figure out how to recruit them and sell to them; colleges and universities must know how to educate and guide them. And members of iGen also need to understand themselves as they communicate with their elders and explain their views to their older peers. Because where iGen goes, so goes our nation—and the world.

**Alcoholics Anonymous** Random House

Concepts of Biology is designed for the single-semester introduction to biology course for non-science majors, which for many students is their only college-level science course. As such, this course represents an important opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors

can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand—and apply—key concepts.

*White Fragility* CreateSpace  
This workbook applies the CDC Framework for Program Evaluation in Public Health. The purpose of this workbook is to help public health program managers, administrators, and evaluators develop a joint understanding of what constitutes an evaluation plan, why it is important, and how to develop an effective evaluation plan in the context of the planning process. This workbook is intended to assist in developing an evaluation plan but is not intended to serve as a complete resource on how to implement program evaluation.

The 5 Levels of Leadership Addison-Wesley

Coming to grips with C++11 and C++14 is more than a matter of familiarizing yourself with the features they introduce (e.g., auto type declarations, move semantics, lambda expressions, and concurrency support). The challenge is learning to use those features effectively—so that your software is correct, efficient, maintainable, and portable. That's where this practical book comes in. It describes how to write truly great software using C++11 and C++14—i.e. using modern C++. Topics include: The pros and cons of braced initialization, noexcept specifications, perfect forwarding, and smart pointer make functions. The relationships among `std::move`, `std::forward`, rvalue references, and universal references. Techniques for writing clear, correct, effective lambda expressions. How `std::atomic` differs from `volatile`, how each should be used, and how they relate to C++'s concurrency API. How best practices in "old" C++ programming (i.e., C++98) require revision for software development in modern C++. *Effective Modern C++* follows the proven guideline-based, example-driven format of Scott Meyers' earlier books, but covers entirely new material. "After I learned the C++ basics, I then learned how to use C++ in production code from Meyer's

series of Effective C++ books. *Effective Modern C++* is the most important how-to book for advice on key guidelines, styles, and idioms to use modern C++ effectively and well. Don't own it yet? Buy this one. Now". -- Herb Sutter, Chair of ISO C++ Standards Committee and C++ Software Architect at Microsoft  
Guidelines for Teaching and Learning Simon and Schuster  
"Every C++ professional needs a copy of *Effective C++*. It is an absolute must-read for anyone thinking of doing serious C++ development. If you've never read *Effective C++* and you think you know everything about C++, think again." – Steve Schirripa, Software Engineer, Google  
"C++ and the C++ community have grown up in the last fifteen years, and the third edition of *Effective C++* reflects this. The clear and precise style of the book is evidence of Scott's deep insight and distinctive ability to impart knowledge." – Gerhard Kreuzer, Research and Development Engineer, Siemens AG  
The first two editions of *Effective C++* were embraced by hundreds of thousands of programmers worldwide. The reason is clear: Scott Meyers' practical approach to C++ describes the rules of thumb used by the experts – the things they almost always do or almost always avoid doing – to produce clear, correct, efficient code. The book is organized around 55 specific guidelines, each of which describes a way to write better C++. Each is backed by concrete examples. For this third edition, more than half the content is new, including added chapters on managing resources and using templates. Topics from the second edition have been extensively revised to reflect modern design considerations, including exceptions, design patterns, and multithreading. Important features of *Effective C++* include: Expert guidance on the design of effective classes, functions, templates, and inheritance hierarchies. Applications of new "TR1" standard library functionality, along with comparisons to

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existing standard library components. Insights into differences between C++ and other languages (e.g., Java, C#, C) that help developers from those languages assimilate "the C++ way" of doing things.

*Service Profit Chain* McGraw Hill Professional

Meyers provides 50 short, specific, easy-to-remember guidelines that experienced C++ programmers either almost always do or almost always avoid. These rules are each followed by an explanation of the rule's important advice on how to implement it, and are supported by actual programming examples.