
Function Point Analysis Measurement Practices For Successful Software Projects

Information Technology

IT Measurement
Software Engineering
Function Point Counting Practices
COSMIC Function Points
Power System Dynamics and Stability
Function Point Analysis
Software Engineering in Intelligent Systems
Statistical Methods
Software Assessments, Benchmarks, and Best Practices
A Guide to Selecting Software Measures and Metrics
Designing Performance Measurement Systems
Measurement Demystified Field Guide
Product-Focused Software Process Improvement
Advances in Computers
Quality Software Project Management
Best Practices in Software Measurement
Rethinking Productivity in Software Engineering
Function Point Analysis (FPA) for Software Enhancement
Certified Function Point Specialist Examination Guide
Software Sizing and Estimating
Software Estimation Best Practices, Tools & Techniques
Principles of the Business Rule Approach
The IT Measurement Compendium
Reliability of Function Points Measurement
Enterprise Information Systems
Software Process and Product Measurement
Software Measurement and Estimation
Measuring the Software Process
Software Measurement
Software Process and Product Measurement
The IFPUG Guide to IT and Software Measurement
The Economics of Software Quality
Innovations and Advanced Techniques in Computer and Information Sciences and Engineering
Applied Software Measurement
Mastering Software Project Management

Statistics in a Nutshell
Measurement Data Modeling and Parameter Estimation
Mastering the Requirements Process
Certified Function Point Specialist Examination Guide
Surfaces and their Measurement

*Function Point Analysis Measurement Practices For
Successful Software Projects Information Technology*

Downloaded from process.ogleschool.edu by guest

EMILIANO FLORES

IT Measurement Addison-Wesley Professional

Get the most out of this foundational reference and improve the productivity of your software teams. This open access book collects the wisdom of the 2017 "Dagstuhl" seminar on productivity in software engineering, a meeting of community leaders, who came together with the goal of rethinking traditional definitions and measures of productivity. The results of their work, *Rethinking Productivity in Software Engineering*, includes chapters covering definitions and core concepts related to productivity, guidelines for measuring productivity in specific contexts, best practices and pitfalls, and theories and open questions on productivity. You'll benefit from the many short chapters, each offering a focused discussion on one aspect of productivity in software engineering. Readers in many fields and industries will benefit from their collected work. Developers wanting to improve their personal productivity, will learn effective strategies for overcoming common issues that interfere with progress. Organizations thinking about building internal programs for measuring productivity of programmers and teams will learn best practices from industry and researchers in measuring productivity. And researchers can leverage the conceptual frameworks and rich body of literature in the book to effectively pursue new research directions. What You'll Learn Review the definitions and dimensions of software productivity See how time management is having the opposite of the intended effect Develop valuable dashboards Understand the impact of sensors on productivity Avoid software development waste Work with human-centered methods to measure productivity Look at the intersection of neuroscience and productivity Manage interruptions and context-switching Who Book Is For Industry developers and those responsible for seminar-style courses that include a segment on software developer productivity. Chapters are written for a generalist audience, without excessive use of technical terminology.

Software Engineering Springer

This book constitutes the refereed proceedings of the 16th International Conference on Product-Focused Software Process Improvement, PROFES 2015, held in Bolzano, Italy, in December 2015. The 18 revised full papers presented together with 10 short papers and 18 workshop papers were carefully reviewed and selected from 50 submissions. The papers are organized in topical sections on lessons learned from industry-research collaborations; instruments to improve the software development process; requirements, features, and release management; practices of modern development processes; human factors in modern software development; effort and size estimation validated by professionals; empirical generalization; software reliability and testing in industry;

workshop on processes, methods and tools for engineering embedded systems; workshop on human factors in software development processes; and workshop on software startups: state of the art and state of the practice.

Function Point Counting Practices CRC Press

The Certified Function Point Specialist Examination Guide provides a complete and authoritative review of the rules and guidelines prescribed in the release of version 4.3 of the Function Point Counting Practices Manual (CPM). Providing a fundamental understanding of the IFPUG Functional Size Measurement method, this is the ideal study guide for the CFPS examination. The text: Includes time-tested tips on how to best prepare for the exam Provides a series of questions and answers at the end of each chapter with specific references to the latest version of the CPM Contains two CFPS practice exams to measure understanding and identify areas where more study is needed Active members of the Counting Practices Committee and a past president of the IFPUG supply time-tested insight on how to use the CPM manual effectively and efficiently during the exam. The two sample exams and detailed examples throughout the text help to ensure readers develop the comprehension required to attain certification the first time around. Following certification, this book is a valuable reference for applying the IFPUG method for sizing proficient software design, development, and deployment. Praise for the book: While there are a number of solid books on counting function points, this new book fills a gap in the function point literature by providing useful information on the specifics of becoming a certified function point counter. The authors are all qualified for the work at hand, and indeed have contributed to the function point counting methodology. —Capers Jones, President, Capers Jones & Associates LLC

COSMIC Function Points Springer Science & Business Media

Classic power system dynamics text now with phasor measurement and simulation toolbox This new edition addresses the needs of dynamic modeling and simulation relevant to power system planning, design, and operation, including a systematic derivation of synchronous machine dynamic models together with speed and voltage control subsystems. Reduced-order modeling based on integral manifolds is used as a firm basis for understanding the derivations and limitations of lower-order dynamic models. Following these developments, multi-machine model interconnected through the transmission network is formulated and simulated using numerical simulation methods. Energy function methods are discussed for direct evaluation of stability. Small-signal analysis is used for determining the electromechanical modes and mode-shapes, and for power system stabilizer design. Time-synchronized high-sampling-rate phasor measurement units (PMUs) to monitor power system disturbances have been implemented throughout North America and many other countries. In this second edition, new chapters on synchrophasor measurement and using the Power System Toolbox for dynamic simulation have been added. These new materials will reinforce power system

dynamic aspects treated more analytically in the earlier chapters. Key features: Systematic derivation of synchronous machine dynamic models and simplification. Energy function methods with an emphasis on the potential energy boundary surface and the controlling unstable equilibrium point approaches. Phasor computation and synchrophasor data applications. Book companion website for instructors featuring solutions and PowerPoint files. Website for students featuring MATLABM files. Power System Dynamics and Stability, 2nd Edition, with Synchrophasor Measurement and Power System Toolbox combines theoretical as well as practical information for use as a text for formal instruction or for reference by working engineers.

Power System Dynamics and Stability Elsevier

This book includes a set of rigorously reviewed world-class manuscripts addressing and detailing state-of-the-art research projects in the areas of Computer Science, Computer Engineering and Information Sciences. The book presents selected papers from the conference proceedings of the International Conference on Systems, Computing Sciences and Software Engineering (SCSS 2006). All aspects of the conference were managed on-line.

Function Point Analysis Apress

The Bridge to Your L&D Measurement and Reporting Strategy Building measurement skills is critical for talent development professionals who seek to align their L&D programs to business outcomes for organizational success. Designed to improve your measurement capability and advance the measurement maturity of your organization, the Measurement Demystified Field Guide presents a refresher on the talent development reporting principles framework and measurement strategy.

While the Field Guide serves as a standalone volume, it is also a companion to the authors' first book, Measurement Demystified. In an easy-to-use workbook style, the Field Guide provides nearly 100 skill-building exercises of varying types to help you uncover what measurement work your organization is doing; assess organizational maturity and gaps; understand how to apply specific concepts; and determine what's right for your organization moving forward. It also offers interview questions to better understand users' wants and needs; case study exercises to test your knowledge gaps; and reflection questions that focus on your deepening knowledge and skill. You can write your answers in the book or use the resource on ATD's website. Achieving measurement maturity is a change effort requiring commitment and discipline. Understanding your current capabilities and gaps is an essential first step followed by determining where your organization wants to go in this area. Once both are achieved, you will be able to develop your desired measurement and reporting strategy—the bridge between where you are today and where you aspire to be. The Measurement Demystified Field Guide is that bridge.

Software Engineering in Intelligent Systems CRC Press

Software developers are faced with the challenge of making software systems and products of ever greater quality and safety, while at the same time being faced with the growing pressure of costs reduction in order to gain and maintain competitive advantages. As in any scientific and engineering discipline, reliable measurement is essential for talking on such a challenge. "Software measurement is an excellent abstraction mechanism for learning what works and what doesn't" (Victor Basili). Measurement of both software process and products provides a large amount of basic information for the evaluation of the software development processes or the software products

themselves. Examples of recent successes in software measurement span multiple areas, such as evaluation of new development methods and paradigms, quality and management improvement programs, tool-supporting initiatives and company wide measurement programs. The German Computer Science Interest (GI) Group of Software Metrics and the Canadian Interest Group in Software Metrics (CIM) have attended to these concerns in the recent years. Research initiatives were directed initially to the definition of software metrics and then to validation of the software metrics themselves. This was followed by more and more investigation into practical applications of software metrics and by critical analysis of the benefits and weaknesses of software measurement programs. Key findings in this area of software engineering have been published in some important books, such as Dumke and Zuse's Theory and Practice of Software Measurement, Ebert and Dumke's Software Metrics in Practice and Lehner, Dumke and Abran's Software Metrics.

Statistical Methods Springer Science & Business Media

The importance of surface metrology has long been acknowledged in manufacturing and mechanical engineering, but has now gained growing recognition in an expanding number of new applications in fields such as semiconductors, electronics and optics. Metrology is the scientific study of measurement, and surface metrology is the study of the measurement of rough surfaces. In this book, Professor David Whitehouse, an internationally acknowledged subject expert, covers the wide range of theory and practice, including the use of new methods of instrumentation. · Written by one of the world's leading metrologists · Covers electronics and optics applications as well as mechanical · Written for mechanical and manufacturing engineers, tribologists and precision engineers in industry and academia

Software Assessments, Benchmarks, and Best Practices CRC Press

With Contributions by Capers Jones, Howard Rubin, David Garmus, Lawrence Putnam, and Elizabeth Clark The accurate, quantitative measurement of software quality and process performance is rapidly becoming an essential part of competition in the ever-tightening software marketplace. Software metrics provide insights into productivity and quality gains from improvements in skill, technology, and development methodology. An effective metrics program helps practitioners assemble the best team, select the optimal development methodology, and enhance the quality of a software product. In short, metrics enable software developers to pursue proven, successful strategies, and to change course when metrics point to less-than-optimum quality or productivity. Written by the world's leading authorities in the field, IT Measurement showcases state-of-the-art in software metrics and provides the practical knowledge that practitioners need in order to take full advantage of software metrics technology. The book's collected articles offer important perspectives on the role of metrics in the development process, and show how metrics directly enhance software quality and output efficiency. The book explores several vital areas, including Function Point Analysis, project estimation and management, outsourcing, statistical process control, and more. These articles range from basic theory to the sophisticated application of metrics. Specific topics covered include: The expanding role of function point metrics Work output measurement for IT work units The use of metrics for tracking Enhanced estimation with metrics Metrics in outsourcing Standardization of SLOC The application of SPC to performance management Functional metrics in B2B e-commerce project success Enlightening and pragmatic, IT Measurement will help you gain a

deeper understanding of software metrics and the ability to apply concrete measures in order to objectively evaluate and more finely shape your software development program.

020174158XB02212002

A Guide to Selecting Software Measures and Metrics J. Ross Publishing

Given our rapidly changing world, companies are virtually forced to engage in continuous performance monitoring. Though Key Performance Indicators (KPIs) may at times seem to be the real driving force behind social systems, economies and organizations, they can also have far-reaching normative effects, which can modify organizational behavior and influence key decisions – even to the point that organizations themselves tend to become what they measure! Selecting the right performance indicators is hardly a simple undertaking. This book describes in detail the main characteristics of performance measurement systems and summarizes practical methods for defining KPIs, combining theoretical and practical aspects. These descriptions are supported by a wealth of practical examples. The book is intended for all academics, professionals and consultants involved in the analysis and management of KPIs.

Designing Performance Measurement Systems Addison-Wesley Professional

A clear and concise introduction and reference for anyone new to the subject of statistics.

Measurement Demystified Field Guide Addison-Wesley Professional

Function point counting is one of the fastest growing software management techniques used in the software industry today. This book shows how to successfully execute the function point counting methodology, based on the current rules and guidelines set forth by the International Function Point Users Group (IFPUG). Covers software measurement and the application of the function point methodology, the specific rules and guidelines of the function point methodology, and function point uses and benefits. For programmers and software development managers.

Product-Focused Software Process Improvement Springer Science & Business Media

Annotation This book constitutes the thoroughly refereed post-proceedings of the International Workshop on Software Measurement, IWSM-Mensura 2007, held in Palma de Mallorca, Spain, in November 2007. The 16 revised full papers presented were carefully reviewed and selected for inclusion in the book. The papers deal with aspects of software measurement like function-points measurement, effort and cost estimates, prediction, industrial experiences in software measurement, planning and implementing measurement, measurement-based software process improvement, best practices in software measurement, usability and user interaction measurement, measurement of open source projects, teaching and learning software measurement as well as new trends and ontologies for software measurement.

Advances in Computers Elsevier

Measurement Data Modeling and Parameter Estimation integrates mathematical theory with engineering practice in the field of measurement data processing. Presenting the first-hand insights and experiences of the authors and their research group, it summarizes cutting-edge research to facilitate the application of mathematical theory in measurement a

Quality Software Project Management Springer

This volume is based on the research papers presented in the 4th Computer Science On-line Conference. The volume Software Engineering in Intelligent Systems presents new approaches and

methods to real-world problems, and in particular, exploratory research that describes novel approaches in the field of Software Engineering. Particular emphasis is laid on modern trends in selected fields of interest. New algorithms or methods in a variety of fields are also presented. The Computer Science On-line Conference (CSOC 2015) is intended to provide an international forum for discussions on the latest high-quality research results in all areas related to Computer Science. The addressed topics are the theoretical aspects and applications of Computer Science, Artificial Intelligences, Cybernetics, Automation Control Theory and Software Engineering.

Best Practices in Software Measurement Association for Talent Development

The book is based on the "best practices" of the UT Software Quality Institute Software Project Management certificates program. Quality Software Project Management identifies and teaches 34 essential project management competencies project managers can use to minimize cost, risk, and time-to-market. Covers the entire project lifecycle: planning, initiation, monitoring/control, and closing. Illuminates its techniques with real-world software management case studies. Authors (leading practitioners) address the pillars of any successful software venture: process, project, and people. Endorsed by the Software Quality Institute.

Rethinking Productivity in Software Engineering Springer

"As projects get more complicated, managers stop learning from their - perience. It is important to understand how that happens and how to change it.... Fallible estimates: In software development, initial estimates for a project shape the trajectory of decisions that a manager makes over its life. For ex- ple, estimates of the productivity of the team members influence decisions about the size of the team, which in turn affect the team's actual output. The trouble is that initial estimates usually turn out to be wrong. " (Sengupta, 2008) This book aims directly to increase the awareness among managers and practitioners that estimation is as important as the work to be done in so- ware and systems development. You can manage what you can measure! Readers will find in this book a collection of lessons learned from the worldwide "metrics community," which we have documented and enhanced with our own experiences in the field of software measurement and estimating. Our goal is to support our readers to harvest the benefits of estimating and - prove their software development processes. We present the 5 ISO/I- acknowledged Functional Sizing Methods with variants, experiences, counting rules, and case studies – and most importantly, illustrate through practical - amples how to use functional size measurement to produce realistic estimates. The book is written in a practical manner, especially for the busy practitioner community. It is aimed to be used as a manual and an assistant for everyday work.

Function Point Analysis (FPA) for Software Enhancement Springer Science & Business Media

Going where no book on software measurement and metrics has previously gone, this critique thoroughly examines a number of bad measurement practices, hazardous metrics, and huge gaps and omissions in the software literature that neglect important topics in measurement. The book covers the major gaps and omissions that need to be filled if data about software development is to be useful for comparisons or estimating future projects. Among the more serious gaps are leaks in reporting about software development efforts that, if not corrected, can distort data and make benchmarks almost useless and possibly even harmful. One of the most common leaks is that of unpaid overtime. Software is a very labor-intensive occupation, and many practitioners work very

long hours. However, few companies actually record unpaid overtime. This means that software effort is underreported by around 15%, which is too large a value to ignore. Other sources of leaks include the work of part-time specialists who come and go as needed. There are dozens of these specialists, and their combined effort can top 45% of total software effort on large projects. The book helps software project managers and developers uncover errors in measurements so they can develop meaningful benchmarks to estimate software development efforts. It examines variations in a number of areas that include: Programming languages Development methodology Software reuse Functional and nonfunctional requirements Industry type Team size and experience Filled with tables and charts, this book is a starting point for making measurements that reflect current

software development practices and realities to arrive at meaningful benchmarks to guide successful software projects.

Certified Function Point Specialist Examination Guide Nesma

"Mastering the Requirements Process: Getting Requirements Right" sets out an industry-proven process for gathering and verifying requirements, regardless of whether you work in a traditional or agile development environment. In this sweeping update of the bestselling guide, the authors show how to discover precisely what the customer wants and needs, in the most efficient manner possible.

Software Sizing and Estimating Springer Nature
Project management software.

Best Sellers - Books :

- [Can't Hurt Me: Master Your Mind And Defy The Odds](#)
- [The Ballad Of Songbirds And Snakes \(a Hunger Games Novel\) \(the Hunger Games\)](#)
- [The Mountain Is You: Transforming Self-sabotage Into Self-mastery By Brianna Wiest](#)
- [The 5 Love Languages: The Secret To Love That Lasts](#)
- [Baking Yesteryear: The Best Recipes From The 1900s To The 1980s By B. Dylan Hollis](#)
- [It Ends With Us: A Novel \(1\)](#)
- [Remarkably Bright Creatures: A Read With Jenna Pick By Shelby Van Pelt](#)
- [Rich Dad Poor Dad: What The Rich Teach Their Kids About Money That The Poor And Middle Class Do Not!](#)
- [If Animals Kissed Good Night By Ann Whitford Paul](#)
- [Dark Future: Uncovering The Great Reset's Terrifying Next Phase \(the Great Reset Series\) By Glenn Beck](#)