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### 7FNJWM - LIU ALEXIA

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This book constitutes the refereed proceedings of the 12th International Conference on Software Reuse, ICSR 2011, held in Pohang, South Korea, in June 2011. The 16 revised full papers were carefully reviewed and selected from 43 submissions. They are presented together with one keynote, three workshop papers, a doctoral symposium report and two tutorials. Topics of interest are domain analysis and modeling; asset search and retrieval; architecture-centric approaches to reuse; component-based reuse; COTS-based development; generator-based techniques; domain-specific languages; testing in the context of software reuse; aspect-oriented techniques; model-driven development; reuse of non-code artifacts; reengineering for reuse; software product line techniques; quality-aspects of reuse; economic models of reuse; benefit and risk analysis, scoping; legal and managerial aspects of reuse; transition to software reuse; industrial experience with reuse; light-weight approaches; software evolution and reuse.

ICDAR is a very successful and flagship conference series, which is the biggest and premier international gathering for researchers, scientist and practitioners in the document analysis community Microsoft Office is the most widely used productivity software in the world, but most people just know the basics. This helpful guide gets you started with the programs in Office 2013, and provides lots of power-user tips and tricks when you're ready for more. You'll learn about Office's new templates and themes, touchscreen features, and other advances, including Excel's Quick Analysis tool. The important stuff you need to know: Create professional-looking documents. Use Word to craft reports, newsletters, and brochures for the Web and desktop. Stay organized. Set up Outlook to track your email, contacts, appointments, and tasks. Work faster with Excel. Determine the best way to present your data with the new Quick Analysis tool. Make inspiring presentations. Build PowerPoint slideshows with video and audio clips, charts and graphs, and animations. Share your Access database. Design a custom database and let other people view it in their web browsers. Get to know the whole suite. Use other handy Office tools: Publisher, OneNote, and a full range of Office Web Apps. Create and share documents in the cloud. Upload and work with your Office files in Microsoft's SkyDrive.

This is a graduate text introducing the fundamentals of measure theory and integration theory, which is the foundation of modern real analysis. The text focuses first on the concrete setting of Lebesgue measure and the Lebesgue integral (which in turn is motivated by the more classical concepts of Jordan measure and the Riemann integral), before moving on to abstract measure and inte-

gration theory, including the standard convergence theorems, Fubini's theorem, and the Carathéodory extension theorem. Classical differentiation theorems, such as the Lebesgue and Rademacher differentiation theorems, are also covered, as are connections with probability theory. The material is intended to cover a quarter or semester's worth of material for a first graduate course in real analysis. There is an emphasis in the text on tying together the abstract and the concrete sides of the subject, using the latter to illustrate and motivate the former. The central role of key principles (such as Littlewood's three principles) as providing guiding intuition to the subject is also emphasized. There are a large number of exercises throughout that develop key aspects of the theory, and are thus an integral component of the text. As a supplementary section, a discussion of general problem-solving strategies in analysis is also given. The last three sections discuss optional topics related to the main matter of the book.

The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.

This volume constitutes selected papers presented at the First International Conference on Informatics and Intelligent Applications, ICIIA 2021, held in Ota, Nigeria, in November 2021. The 22 full papers were thoroughly reviewed and selected from 108 submissions. The papers are organized in the following topical sections: AI applications; information security; emerging technologies in informatics.

**AGILE SOFTWARE DEVELOPMENT** A unique title that introduces the whole range of agile software development processes from the fundamental concepts to the highest levels of applications such as requirement analysis, software testing, quality assurance, and risk management. Agile Software Development (ASD) has become a popular technology because its methods apply to any programming paradigm. It is important in the software development process because it emphasizes incremental delivery, team collaboration, continuous planning, and learning over delivering everything at once near the end. Agile has gained popularity as a result of its use of various frameworks, methods, and techniques to improve software quality. Scrum is a major agile framework that has been widely adopted by the software development community. Metaheuristic techniques have been used in the agile software development process to improve software quality and reliability. These techniques not only improve quality and reliability but also test cases, resulting in cost-effective and time-effective software. However, many significant research challenges must be addressed to put such ASD capabilities into practice. With the use of diverse techniques, guiding principles, artificial intelligence, soft computing, and machine learning, this book seeks to study theoretical and technological research findings on all facets of ASD. Also, it sheds light on the latest trends, challenges, and applications in the area of ASD. This book explores the theoretical as well as the technical research outcomes on all the aspects of Agile Software Development by using various methods, principles, artificial intelligence, soft computing, and machine learning. Audience The book is designed for computer scientists and software engineers both in research and industry. Graduate and postgraduate students will find the book accessible as well.

**bookdown: Authoring Books and Technical Documents with R Markdown** presents a much easier way to write books and technical publications than traditional tools such as LaTeX and Word. The bookdown package inherits the simplicity of syntax and flexibility for data analysis from R Markdown, and extends R Markdown for technical writing, so that you can make better use of document elements such as figures, tables, equations, theorems, citations, and references. Similar to LaTeX, you can number and cross-reference these elements with bookdown. Your document can even include live examples so readers can interact with them while reading the book. The book can be rendered to multiple output formats, including LaTeX/PDF, HTML, EPUB, and Word, thus making it easy to put your documents online. The style and theme of these output formats can be customized. We used books and R primarily for examples in this book, but bookdown is not only for books or R. Most features introduced in this book also apply to other types of publications: journal papers, reports, dissertations, course handouts, study notes, and even novels. You do not have to use R, either. Other choices of computing languages include Python, C, C++, SQL, Bash, Stan, JavaScript, and so on, although R is best supported. You can also leave out computing, for example, to write a fiction. This book itself is an example of publishing with bookdown and R Markdown, and its source is fully available on GitHub.

At last, here's an approachable introduction to the widely used Portable Document Format. PDFs are everywhere, both online and in printed form, but few people take advantage of the useful features or grasp the nuances of this format. This concise book provides a hands-on tour of the world's leading page-description language for programmers, power users, and professionals in the search, electronic publishing, and printing industries. Illustrated with lots of examples, this book is the documentation you need to fully understand PDF. Build a simple PDF file from scratch in a text editor Learn the layout and content of a PDF file, as well as the syntax of its objects Examine the logical structure of PDF objects, and learn how pages and their resources are arranged into a document Create vector graphics and raster images in PDF, and deal with transparency, color spaces, and patterns Explore PDF operators for building and showing text strings Get up to speed on bookmarks, metadata, hyperlinks, annotations, and file attachments Learn how encryption and document permissions work in PDF Use the pdftk program to process PDF files from the command line

Learn to use Adobe Acrobat and read, write, and manage PDF documents like a pro You can convert any document to PDF, a universal file format, preserving all the fonts, formatting, graphics, and color of the source document — regardless of the application and platform used to create it — making it super easy to share documents electronically or after printing them. If you need to convert paper documents into PDF files, save graphics as PDFs, create PDF form files (that others can use to submit data), or create and publish PDF files as ebooks, Adobe Acrobat 6 For Dummies can help — no experience with Adobe Acrobat or PDF files is required. You can publish and distribute PDF files anywhere: in print, attached to email, on corporate servers, and posted on websites. Professionals in sales, web design, marketing, and public relations alike — and anyone who needs to read, write, edit, or otherwise manipulate PDF documents — will benefit from this no-nonsense and comprehensive guide written in plain English. You'll discover how to Navigate the Acrobat user interface, including menus, toolbars, and keyboard shortcuts Access and distill PDF files Automate the distilling of PDF files Convert Microsoft Office documents Make a scanned PDF document editable and searchable Capture paper documents and Web pages Add web pages to an existing PDF document Print, annotate, edit, and securing PDF files Collect and summarize comments during PDF review Troubleshoot problems with printing PDFs Password-protect a PDF document Extract text and graphics from PDFs Catalogue and distribute PDF files Create interactive forms Build multimedia presentations — with movies and sound With your own copy of Adobe Acrobat 6 For Dummies, you can learn how to do all of that, find the best third-party Acrobat plug-ins to try, peruse helpful online resources, and more!

Class-tested and coherent, this textbook teaches classical and web information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. It gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Slides and additional exercises (with solutions for lecturers) are also available through the book's supporting website to help course instructors prepare their lectures.

Developers looking to enhance Web and other applications with dynamic PDF document generation and/or manipulation will find this book unique in content and readability.

This straightforward guide to PROC TEMPLATE shows you how to build your own custom styles and tables in SAS. You'll learn how to create new styles to match your organization's standards or simply to increase your report's aesthetic potential build custom tables with complex structures and traffic lighting to make them easier to read and interpret manage your templates and share them with other SAS users Written for all levels of users, PROC TEMPLATE Made Easy guides you through the process of writing templates. Beginners will benefit from learning how to do so from the ground up. Intermediate and advanced users will learn the more complex features of PROC TEMPLATE as well as how to use styles in the Base SAS reporting procedures. This book explains how PROC TEMPLATE saves templates and teaches you how to create shareable template stores, allowing you to customize your working environment. The visual appendixes of all style attributes and graph colors serve as an essent

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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.

Learn how to program with Python from beginning to end. This book is for beginners who want to get up to speed quickly and become intermediate programmers fast!

When it comes to choosing, using, and maintaining a database, understanding its internals is essential. But with so many distributed databases and tools available today, it's often difficult to understand what each one offers and how they differ. With this practical guide, Alex Petrov guides developers through the concepts behind modern database and storage engine internals. Throughout the book, you'll explore relevant material gleaned from numerous books, papers, blog posts, and the source code of several open source databases. These resources are listed at the end of parts one and two. You'll discover that the most significant distinctions among many modern databases reside in subsystems that determine how storage is organized and how data is distributed. This book examines: Storage engines: Explore storage classification and taxonomy, and dive into B-Tree-based and immutable Log Structured storage engines, with differences and use-cases for each Storage building blocks: Learn how database files are organized to build efficient storage, using auxiliary data structures such as Page Cache, Buffer Pool and Write-Ahead Log Distributed systems: Learn step-by-step how nodes and processes connect and build complex communication patterns Database clusters: Which consistency models are commonly used by modern databases and how distributed storage systems achieve consistency

\* Revision of Baker's dual award winning original Acrobat 5 title has now been added to by Tom Carson's experience of document management using Acrobat in industry. \* The biggest growth sector and marketing focus for Adobe Acrobat is the non-graphics market yet most PDF books are written by people with graphics backgrounds and mindset. Donna has both a graphics and business background while Tom has a strong engineering, industrial and governmental background. This book provides real solutions for professionals working in industry, government, healthcare, and print environments.

Are you an RTL or system designer that is currently using, moving, or planning to move to an HLS design environment? Finally, a comprehensive guide for designing hardware using C++ is here. Michael Fingeroff's *High-Level Synthesis Blue Book* presents the most effective C++ synthesis coding style for achieving high quality RTL. Master a totally new design methodology for coding increasingly complex designs! This book provides a step-by-step approach to using C++ as a hardware design language, including an introduction to the basics of HLS using concepts familiar to RTL designers. Each chapter provides easy-to-understand C++ examples, along with hardware and timing diagrams where appropriate. The book progresses from simple concepts such as sequential logic design to more complicated topics such as memory architecture and hierarchical sub-system design. Later chapters bring together many of the earlier HLS design concepts through their application in simplified design examples. These examples illustrate the fundamental principles behind C++ hardware design, which will translate to much larger designs. Although this book focuses primarily on C and C++ to present the basics of C++ synthesis, all of the concepts are equally applicable to SystemC when describing the core algorithmic part of a design. On completion of this book, readers should be well on their way to becoming experts in high-level synthesis.



Big data has incredible business value, and Splunk is the best tool for unlocking that value. Exploring Splunk shows you how to pinpoint answers and find patterns obscured by the flood of machine-generated data. This book uses an engaging, visual presentation style that quickly familiarizes you with how to use Splunk. You'll move from mastering Splunk basics to creatively solving real-world problems, finding the gems hidden in big data.

Mathematics of Computing -- Parallelism.

Now in its second edition, this book focuses on practical algorithms for mining data from even the largest datasets.

Invented about 40 years ago and called ubiquitous less than 10 years later, B-tree indexes have been used in a wide variety of computing systems from handheld devices to mainframes and server farms. Over the years, many techniques have been added to the basic design in order to improve efficiency or to add functionality. Examples include separation of updates to structure or contents, utility operations such as non-logged yet transactional index creation, and robust query processing such as graceful degradation during index-to-index navigation. Modern B-Tree Techniques reviews the basics of B-trees and of B-tree indexes in databases, transactional techniques and query processing techniques related to B-trees, B-tree utilities essential for database operations, and many optimizations and improvements. It is intended both as a tutorial and as a reference, enabling researchers to compare index innovations with advanced B-tree techniques and enabling professionals to select features, functions, and tradeoffs most appropriate for their data management challenges.

Create and organize writing projects with ease using Scrivener 3! Version 1.1.1, updated June 4, 2021 Compose a masterpiece with Literature & Latte's Scrivener. Whether you're writing science fiction, a historical novel, or a zombie travelogue, learn how Scrivener's powerful tools can take your work to the next level. Kirk McElhearn shows you how to collect notes, organize your work, arrange and rearrange sections, and more. Covers Mac, Windows, and iOS/iPadOS versions! Scrivener is a powerful tool for managing long-form writing projects—like novels and screenplays—and Take Control of Scrivener 3 gives you all the details you need to know to harness its potential. In this book, best-selling author Kirk McElhearn walks you through setting up, organizing, writing, formatting, revising, and compiling a Scrivener project, whether you're working on a Mac, a Windows PC, or in iOS/iPadOS. Using this extensive guide, you'll be able to: • Meet Scrivener: Learn about the Scrivener philosophy and its basic layout • Start your project: Pick a template and add existing materials to your project • Brainstorm and organize: Discover three different ways to work with your material using the Binder, Corkboard, and Outliner. • Set up your writing environment and avoid distractions: Choose default fonts and colors, opt for Script Mode if you're writing a script or screenplay, and simplify your workspace by hiding interface elements or by using Composition Mode or Full Screen Mode. • Make the most of key features: Learn how to work with styles; use annotations and comments; add footnotes and endnotes; view more than one file at once; use collections to view selected items from the Binder; store bookmarks and project notes; and share and synchronize your project with others. • Go further with Scrivener: Get the details on special features like Scrivenings View (write in sections, but view as a single document) and Snapshots (allows you to make and view periodic backups of your text). • Revise and edit your work: Learn how to find and replace text, and work with revisions. • Use Scrivener in iOS and iPadOS: Sync your projects to iOS/iPadOS and work

on an iPhone or iPad. • Print and export: Understand the process of preparing your project to be printed, and what's involved in compiling it so that it can be exported in a different format. Kirk also highlights the many changes to Scrivener since the last version (see the What's New section below), including updates to the interface, styles, outlining and metadata capabilities, and improved searching and writing features. In addition, he explains brand-new features in Scrivener 3, including Bookmarks (lets you store references to other sections of your project), Linguistic Focus (Mac only—highlights specific elements such as dialog, adverbs, or adjectives), Section types (such as Chapter Text and Scene), and Copyholders (allows you to view three or four documents at once).

Hilarious stories and advice about the ups and downs of growing up, from a hugely popular YouTube artist and storyteller.

This book constitutes the refereed proceedings of the 2nd International Joint Conference of the 10th Ibero-American Conference on Artificial Intelligence, IBERAMIA 2006, and the 18th Brazilian Artificial Intelligence Symposium, SBIA 2006. The book presents 62 revised full papers together with 4 invited lectures. Topical sections include AI in education and intelligent tutoring systems, autonomous agents and multiagent systems, computer vision and pattern recognition, evolutionary computation and artificial life, and more.

This book provides practical knowledge on different aspects of information and knowledge management in businesses. In contemporary unstable time, enterprises/businesses deal with various challenges—such as large-scale competitions, high levels of uncertainty and risk, rush technological advancements, while increasing customer requirements. Thus, businesses work continually on improving efficiency of their operations and resources towards enabling sustainable solutions based on the knowledge and information accumulated previously. Consequently, this third volume of our subline persists to highlight different approaches of handling enterprise knowledge/information management directing to the importance of unceasing progress of structural management for the steady growth. We look forward that the works of this volume can encourage and initiate further research on this topic.

PDF—to most of the world it stands for that rather tiresome format used for documents downloaded from the web. Slow to load and slower to print, hopelessly unsearchable, and all but impossible to cut and paste from, the Portable Document Format doesn't inspire much affection in the average user. But PDFs done right is another story. Those who know the ins and outs of this format know that it can be much more than electronic paper. Flexible, compact, interactive, and even searchable, PDF is the ideal way to present content across multiple platforms. PDF Hacks unveils the true promise of Portable Document Format, going way beyond the usual PDF as paged output mechanism. PDF expert Sid Steward draws from his years of analyzing, extending, authoring, and embellishing PDF documents to present 100 clever hacks--tools, tips, quick-and-dirty or not-so-obvious solutions to common problems. PDF Hacks will show you how to create PDF documents that are far more powerful than simple representations of paper pages. The hacks in the book cover the full range of PDF functionality, from the simple to the more complex, including generating, manipulating, annotating, and consuming PDF information. You'll learn how to manage content in PDF, navigate it, and reuse it as necessary. Far more than another guide to Adobe Acrobat, the book covers a variety of readily available tools for generating, deploying, and editing PDF. The little-known tips and tricks in this book are

ideal for anyone who works with PDF on a regular basis, including web developers, pre-press users, forms creators, and those who generate PDF for distribution. Whether you want to fine-tune and debug your existing PDF documents or explore the full potential the format offers, PDF Hacks will turn you into a PDF power user.

Brilliant Ideas for Using ICT in the Classroom is a totally practical, hands-on guide to using ICT in and around the classroom for all secondary school teachers and lecturers in post-compulsory education. Assuming no prior expertise, it centres on software and resources that are free or very low cost, and offers step-by-step guidance and creative ideas to improve the experience and engagement of your students. With a focus on what tools to use, what educational need they satisfy and how to incorporate them into good pedagogy, key topics covered include: Effective use of presentation technologies Using, producing and sharing multimedia Interactive whiteboards and related technologies Using Web 2.0 technologies Mobile learning Supporting diverse student needs through technology. Brilliant Ideas for Using ICT in the Classroom puts equal emphasis on both technical and pedagogical issues, making it the ideal companion whatever your ICT or e-learning needs. Catering equally well for Windows, Mac and Linux users, this book is designed to give you all the confidence you need to start teaching brilliantly with ICT.

This IBM Redbooks publication provides information to help Systems Programmers plan for merging systems into a sysplex. zSeries systems are highly flexible systems capable of processing many workloads. As a result, there are many things to consider when merging independent systems into the more closely integrated environment of a sysplex. This book will help you identify these issues in advance and thereby ensure a successful project.

Summary Machine Learning in Action is unique book that blends the foundational theories of machine learning with the practical realities of building tools for everyday data analysis. You'll use the flexible Python programming language to build programs that implement algorithms for data classification, forecasting, recommendations, and higher-level features like summarization and simplification. About the Book A machine is said to learn when its performance improves with experience. Learning requires algorithms and programs that capture data and ferret out the interesting or useful patterns. Once the specialized domain of analysts and mathematicians, machine learning is becoming a skill needed by many. Machine Learning in Action is a clearly written tutorial for developers. It avoids academic language and takes you straight to the techniques you'll use in your day-to-day work. Many (Python) examples present the core algorithms of statistical data processing, data analysis, and data visualization in code you can reuse. You'll understand the concepts and how they fit in with tactical tasks like classification, forecasting, recommendations, and higher-level features like summarization and simplification. Readers need no prior experience with machine learning or statistical processing. Familiarity with Python is helpful. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside A no-nonsense introduction Examples showing common ML tasks Everyday data analysis Implementing classic algorithms like Apriori and Adaboos Table of Contents PART 1 CLASSIFICATION Machine learning basics Classifying with k-Nearest Neighbors Splitting datasets one feature at a time: decision trees Classifying with probability theory: naïve Bayes Logistic regression Support vector machines Improving classification with the AdaBoost meta algorithm PART 2 FORECASTING NUMERIC

VALUES WITH REGRESSION Predicting numeric values: regression Tree-based regression PART 3 UNSUPERVISED LEARNING Grouping unlabeled items using k-means clustering Association analysis with the Apriori algorithm Efficiently finding frequent itemsets with FP-growth PART 4 ADDITIONAL TOOLS Using principal component analysis to simplify data Simplifying data with the singular value decomposition Big data and MapReduce

Applied Acrobat for Engineers is the first and only book to be written specifically to give engineers the skills that they need to use pdfs and Adobe Acrobat in engineering applications. Teaches the use of PDF in communication and archiving of complex documents with a specific slant towards various engineering disciplines and the related areas of architecture and construction management Better document control reduces project review and approval times Uses the progressive treatment of a sample project, throughout the book, to explain and illustrate the application of Acrobat techniques Encourages easier interaction with clients and regulatory agencies by employing a completely searchable document format which is available to all

Based on the authors' market leading data structures books in Java and C++, this textbook offers a comprehensive, definitive introduction to data structures in Python by authoritative authors. Data Structures and Algorithms in Python is the first authoritative object-oriented book available for the Python data structures course. Designed to provide a comprehensive introduction to data structures and algorithms, including their design, analysis, and implementation, the text will maintain the same general structure as Data Structures and Algorithms in Java and Data Structures and Algorithms in C++.

Covers accessing and distilling PDF files; converting MicrosoftOffice documents; capturing paper documents and Web pages; printing, annotating, editing and securing PDF files; extracting text and graphics; cataloging and distributing PDF files; creating interactive forms; and building multimedia presentations. Readers can convert any document to this universal file format, preserving all the fonts, formatting, graphics, and color of the source document regardless of the application and platform used to create it. PDF files can be published and distributed anywhere: in print, attached to e-mail, on corporate servers, posted on Web sites, or on CD-ROM Adobe PDF is the emerging workflow standard in the \$400 billion publishing industry and plays a key role in financial services, regulated industries, and government, with more than 155 agencies worldwide sharing Adobe PDF files.

Creating GUI Applications with wxPython is a book that will teach you how to use wxPython to create applications by actually creating several mini-programs. I have found that while learning how the various widgets work in wxPython is valuable, it is even better to learn by creating a simple application that does something useful. In this book, you will be creating the following applications: - A simple image viewer - A database viewer - A database editor - Calculator - An Archiving application (tar) - PDF Merging application - XML Editor - File search utility - Simple FTP application - NASA Image downloader As you learn how to create these applications, you will also learn how wxPython works. You will go over how wxPython's event system works, how to use threads in wxPython, make use of sizes and much, much more

A wealth of open and free software is available today for Windows developers who want to extend the development environment, reduce development effort, and increase productivity. This encyclopedic guide explores more than 100 free and open source tools available to programmers who build ap-

plications for Windows desktops and servers.

\* Adobe Acrobat and its file format, PDF, have become the standard for portable documents, including everything from high-resolution color files destined for print to Internet and e-book content \* This critically acclaimed, authoritative reference has now been completely updated and enhanced to cover the powerful new release of Adobe Acrobat \* Written by Acrobat/PDF guru Ted Padova, the book

is packed with real-world insights and techniques gained from the author's use of Acrobat and PDF under deadline situations \* Covers everything there is to know about using Acrobat and PDF for print prepress, the Internet, CD-ROMs and all manner of new media \* The companion Web site includes links to plug-ins, utilities, and a training video

Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.