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Opening Up: Capital Flows and Financial Sector Dynamics in Low-Income Developing Countries - Sebastian Horn 2021-09-24

Over the past two decades, many low-income developing countries have substantially increased openness towards external financing and have received large capital inflows. Using bank-level micro data, this paper finds that capital inflows have been associated with financial deepening through increases in bank loans, deposits, and wholesale funding. Domestic banks increase loans more than foreign banks. There are only modest signs of a build-up in financial vulnerabilities. Causality is examined through an instrumental variable approach and an augmented inverse-probability weighting estimator. These approaches indicate only limited evidence for global push effects, pointing towards the importance of domestic pull factors.

Uncertain Rule-based Fuzzy Logic Systems -

Jerry M. Mendel 2001

Jerry Mendel explains the complete development of fuzzy logic systems and explores a new methodology to build better and more intelligent systems. Two case studies are carried throughout the book to illustrate and expand on the theories introduced.

Analysis and Design of Antennas and

Algorithms for Near-Field Sensing - Davide Comite 2020-06-30

This volume collects the main results of the Author's Ph.D. course in Electromagnetics and Mathematical Models for Engineering, attended at 'Sapienza' University of Rome from November 2011 to February 2015, in the Electromagnetic Fields 1 Lab of the Department of Information Engineering, Electronics and Telecommunications, under the tutoring of Prof. Alessandro Galli.

Getting Started with R - Andrew P. Beckerman 2017

A popular entry-level guide into the use of R as a statistical programming and data management language for students, post-docs, and seasoned researchers now in a new revised edition, incorporating the updates in the R environment, and also adding guidance on the use of more complex statistical analyses and tools.

Mastering Software Testing with JUnit 5 -

Boni Garcia 2017-10-27

A comprehensive, hands-on guide on unit testing framework for Java programming language About This Book In-depth coverage of Jupiter, the new programming and extension model provided by JUnit 5 Integration of JUnit 5 with other frameworks such as Mockito, Spring,

Selenium, Cucumber, and Docker Best practices for writing meaningful Jupiter test cases Who This Book Is For This book is for Java software engineers and testers. If you are a Java developer who is keen on improving the quality of your code and building world class applications then this book is for you. Prior experience of the concepts of automated testing will be helpful. What You Will Learn The importance of software testing and its impact on software quality The options available for testing Java applications The architecture, features and extension model of JUnit 5 Writing test cases using the Jupiter programming model How to use the latest and advanced features of JUnit 5 Integrating JUnit 5 with existing third-party frameworks Best practices for writing meaningful JUnit 5 test cases Managing software testing activities in a living software project In Detail When building an application it is of utmost importance to have clean code, a productive environment and efficient systems in place. Having automated unit testing in place helps developers to achieve these goals. The JUnit testing framework is a popular choice among Java developers and has recently released a major version update with JUnit 5. This book shows you how to make use of the power of JUnit 5 to write better software. The book begins with an introduction to software quality and software testing. After that, you will see an in-depth analysis of all the features of Jupiter, the new programming and extension model provided by JUnit 5. You will learn how to integrate JUnit 5 with other frameworks such as Mockito, Spring, Selenium, Cucumber, and Docker. After the technical features of JUnit 5, the final part of this book will train you for the daily work of a software tester. You will learn best practices for writing meaningful tests. Finally, you will learn how software testing fits into the overall software development process, and sits alongside continuous integration, defect tracking, and test reporting. Style and approach The book offers definitive and comprehensive coverage of all the Unit testing concepts with JUnit and its features using several real world examples so that readers can put their learning to practice almost immediately. This book is structured in three parts: Software testing foundations (software quality and Java testing)

JUnit 5 in depth (programming and extension model of JUnit 5) Software testing in practice (how to write and manage JUnit 5 tests) Formal Methods for Safety and Security - Manju Nanda 2017-11-09

This volume is the outcome of deliberations on formal methods in aerospace. The book specially delves into the use of formal methods for verification, validation, and optimization of software in safety critical and time critical applications, such as those in aerospace engineering. The chapters in this book are authored by leading corporate and government R&D scientists. The contents of this book will be useful to researchers and professionals alike.

Distress Identification Manual for the Long-term Pavement Performance Project - 1993

Optimization - Michel Bierlaire 2018

Practical Cryptography - Niels Ferguson 2003-04-17

Discusses how to choose and use cryptographic primitives, how to implement cryptographic algorithms and systems, how to protect each part of the system and why, and how to reduce system complexity and increase security.

Advanced Nanoscale ULSI Interconnects: Fundamentals and Applications - Yosi Shacham-Diamand 2009-09-19

In Advanced ULSI interconnects - fundamentals and applications we bring a comprehensive description of copper-based interconnect technology for ultra-lar- scale integration (ULSI) technology for integrated circuit (IC) application. In- grated circuit technology is the base for all modern electronics systems. You can ?nd electronics systems today everywhere: from toys and home appliances to a- planes and space shuttles. Electronics systems form the hardware that together with software are the bases of the modern information society. The rapid growth and vast exploitation of modern electronics system create a strong demand for new and improved electronic circuits as demonstrated by the amazing progress in the ?eld of ULSI technology. This progress is well described by the famous "Moore's law" which states, in its most general form, that all the metrics that describe integrated circuit performance (e. g. , speed, number of devices, chip area) improve

exponentially as a function of time. For example, the number of components per chip doubles every 18 months and the critical dimension on a chip has shrunk by 50% every 2 years on average in the last 30 years. This rapid growth in integrated circuit technology results in highly complex integrated circuits with an increasing number of interconnects on chips and between the chip and its package. The complexity of the interconnect network on chips involves an increasing number of metal lines per interconnect level, more interconnect levels, and at the same time a reduction in the interconnect line critical dimensions.

Java Cookbook - Ian F. Darwin 2014-06-25

From lambda expressions and JavaFX 8 to new support for network programming and mobile development, Java 8 brings a wealth of changes. This cookbook helps you get up to speed right away with hundreds of hands-on recipes across a broad range of Java topics. You'll learn useful techniques for everything from debugging and data structures to GUI development and functional programming. Each recipe includes self-contained code solutions that you can freely use, along with a discussion of how and why they work. If you are familiar with Java basics, this cookbook will bolster your knowledge of the language in general and Java 8's main APIs in particular. Recipes include: Methods for compiling, running, and debugging
Manipulating, comparing, and rearranging text
Regular expressions for string- and pattern-matching
Handling numbers, dates, and times
Structuring data with collections, arrays, and other types
Object-oriented and functional programming techniques
Directory and filesystem operations
Working with graphics, audio, and video
GUI development, including JavaFX and handlers
Network programming on both client and server
Database access, using JPA, Hibernate, and JDBC
Processing JSON and XML for data storage
Multithreading and concurrency

Learn Japanese: Must-Know Japanese Slang Words & Phrases - Innovative Language Learning

Do you want to learn Japanese the fast, fun and easy way? And do you want to master daily conversations and speak like a native? Then this is the book for you. Learn Japanese: Must-Know

Japanese Slang Words & Phrases by JapanesePod101 is designed for Beginner-level learners. You learn the top 100 must-know slang words and phrases that are used in everyday speech. All were hand-picked by our team of Japanese teachers and experts. Here's how the lessons work:

- Every Lesson is Based on a Theme
- You Learn Slang Words or Phrases Related to That Theme
- Check the Translation & Explanation on How to Use Each One

And by the end, you will have mastered 100+ Japanese Slang Words & phrases!

Membranes for Food Applications - Klaus-Viktor Peinemann 2011-08-04

Edited by an internationally recognized leader in the field, this third volume in the series represents the complete reference to membrane processes in the food industry. The handbook adopts a highly practical approach to this hot topic, combining the hands-on experience of the expert authors involved. They provide chapters devoted to such varied applications as dairy fractionation, electrodialysis, pressure-driven membrane processes in alcoholic beverages, membrane emulsification, contactors and bioreactors, as well as membranes for food packaging.

Base SAS 9.2 Procedures Guide - SAS Institute 2009

Contains the complete reference for all Base SAS procedures. Provides information about what each procedure does and, if relevant, the kind of output that it produces.

Financing Our Foodshed - Carol Hewitt 2013-04-16

Bringing money home - real people and real stories from the Slow Money movement

Concise Guide to Software Testing - Gerard O'Regan 2019-09-30

This practically-focused textbook provides a concise and accessible introduction to the field of software testing, explaining the fundamental principles and offering guidance on applying the theory in an industrial environment. Topics and features: presents a brief history of software quality and its influential pioneers, as well as a discussion of the various software lifecycles used in software development; describes the fundamentals of testing in traditional software engineering, and the role that static testing plays in building quality into a product; explains

the process of software test planning, test analysis and design, and test management; discusses test outsourcing, and test metrics and problem solving; reviews the tools available to support software testing activities, and the benefits of a software process improvement initiative; examines testing in the Agile world, and the verification of safety critical systems; considers the legal and ethical aspects of software testing, and the importance of software configuration management; provides key learning topics and review questions in every chapter, and supplies a helpful glossary at the end of the book. This easy-to-follow guide is an essential resource for undergraduate students of computer science seeking to learn about software testing, and how to build high quality and reliable software on time and on budget. The work will also be of interest to industrialists including software engineers, software testers, quality professionals and software managers, as well as the motivated general reader.

SEAOC Blue Book - 2009

This SEAOC Blue Book: Seismic Design Recommendations is the premier publication of the SEAOC Seismology Committee. The name Blue Book is renowned worldwide among engineers, researchers, and building officials. Since 1959, the SEAOC Blue Book, previously titled Recommended Lateral Force Requirements and Commentary, has been a prescient publication of earthquake engineering. The Blue Book has been at the vanguard of earthquake engineering in California and around the world. This edition of the Blue Books offers a series of articles, that cover specific topics, some related to a particular code provision and some more general relating to an area of practice. While different than the previous editions of the Blue Books, it builds upon the tremendous effort of those who have forged earthquake engineering practice via the previous half-century of Blue Book editions. The Blue Book provides: insight and discussion of earthquake engineering concepts; interpretations of sometimes ambiguous or conflicting provisions of various codes, standards, and guidelines; and practical guidance on design implementation.

SAS Language Reference - SAS Institute 1999

This book comprehensively documents essential concepts for SAS features, the DATA step, and

SAS files. Topics include basic SAS concepts such as SAS processing, SAS names, missing values, expressions, time and date values, WHERE-expression processing, SAS output, and error processing and debugging; SAS DATA step concepts such as DATA step processing, reading rawdata, combining and modifying SAS data sets, BY-group processing, array processing, and creating and using stored compiled SAS programs; and SAS file concepts such as SAS data libraries, SAS data sets (SAS data files and SAS data views), indexes, file protection, SAS I/O engines, SAS file management, and external files.

Base SAS 9.3 Procedures Guide - SAS Institute 2012-08-28

Contains the complete reference for all Base SAS procedures. Provides information about what each procedure does and, if relevant, the kind of output that it produces. This title is also available online. SAS Products and Releases: Base SAS: 9.3_M2. Operating Systems: All SAS/STAT 9.3 User's Guide - SAS Institute 2011-07

The REG procedure is a general-purpose procedure for linear regression. SAS Products and Releases: SAS/STAT: 9.3 Operating Systems: All

Automated Software Testing - Elfriede Dustin 1999-06-28

With the urgent demand for rapid turnaround on new software releases--without compromising quality--the testing element of software development must keep pace, requiring a major shift from slow, labor-intensive testing methods to a faster and more thorough automated testing approach. Automated Software Testing is a comprehensive, step-by-step guide to the most effective tools, techniques, and methods for automated testing. Using numerous case studies of successful industry implementations, this book presents everything you need to know to successfully incorporate automated testing into the development process. In particular, this book focuses on the Automated Test Life Cycle Methodology (ATLM), a structured process for designing and executing testing that parallels the Rapid Application Development methodology commonly used today. Automated Software Testing is designed to lead you through each step of this structured program, from the initial

decision to implement automated software testing through test planning, execution, and reporting. Included are test automation and test management guidance for: Acquiring management support Test tool evaluation and selection The automated testing introduction process Test effort and test team sizing Test team composition, recruiting, and management Test planning and preparation Test procedure development guidelines Automation reuse analysis and reuse library Best practices for test automation

CogAT Practice Test (Grade 2) - Bright Minds Publishing 2013-01-01

This book is a great resource for students who are planning to appear for the CogAT test for getting into Grade 2 (i.e. current 1st grade students). This book also includes useful tips for preparing for the CogAT test. This book has one full length test similar in format to the actual test that will be administered in the CogAT Test. This test has been authored by experienced professional, verified by educators and administered to students who planned on appearing for the CogAT test. This book has 9 sections as listed below Section 1: Picture Analogies Section 2: Sentence Completion Section 3: Picture Classification Section 4: Number Analogies Section 5: Number Puzzles Section 6: Number Series Section 7: Figure Matrices Section 8: Paper Folding Section 9: Figure Classification We have responded to feedback from our customers. The book now includes additional challenging problems that your child can solve to prepare for the test. The book also includes explanation all 9 sections and the bonus problems in this book.

Advanced Software Testing - Vol. 2, 2nd Edition - Rex Black 2014-09-12

This book teaches test managers what they need to know to achieve advanced skills in test estimation, test planning, test monitoring, and test control. Readers will learn how to define the overall testing goals and strategies for the systems being tested. This hands-on, exercise-rich book provides experience with planning, scheduling, and tracking these tasks. You'll be able to describe and organize the necessary activities as well as learn to select, acquire, and assign adequate resources for testing tasks. You'll learn how to form, organize, and lead

testing teams, and master the organizing of communication among the members of the testing teams, and between the testing teams and all the other stakeholders. Additionally, you'll learn how to justify decisions and provide adequate reporting information where applicable. With over thirty years of software and systems engineering experience, author Rex Black is President of RBCS, is a leader in software, hardware, and systems testing, and is the most prolific author practicing in the field of software testing today. He has published a dozen books on testing that have sold tens of thousands of copies worldwide. He is past president of the International Software Testing Qualifications Board (ISTQB) and a director of the American Software Testing Qualifications Board (ASTQB). This book will help you prepare for the ISTQB Advanced Test Manager exam. Included are sample exam questions, at the appropriate level of difficulty, for most of the learning objectives covered by the ISTQB Advanced Level Syllabus. The ISTQB certification program is the leading software tester certification program in the world. With about 300,000 certificate holders and a global presence in over 50 countries, you can be confident in the value and international stature that the Advanced Test Manager certificate can offer you. This second edition has been thoroughly updated to reflect the new ISTQB Advanced Test Manager 2012 Syllabus, and the latest ISTQB Glossary. This edition reflects Rex Black's unique insights into these changes, as he was one of the main participants in the ISTQB Advanced Level Working Group.

Mastering Unit Testing Using Mockito and JUnit - Sujoy Acharya 2014-07-15

A practical and easy-to-follow, yet comprehensive, guide to learning advanced JUnit testing. Each topic is explained and placed in context, and for the more inquisitive, there are more details of the concepts used. This book is for you if you are a developer with some experience in Java application development as well as a basic knowledge of JUnit testing. But for those whose skill set is void of any prior experience with JUnit testing, the book also covers basic fundamentals to get you acquainted with the concepts before putting them into practice.

Agile Software Development Quality

Assurance - Stamelos, Ioannis G. 2007-02-28

"This book provides the research and instruction used to develop and implement software quickly, in small iteration cycles, and in close cooperation with the customer in an adaptive way, making it possible to react to changes set by the constant changing business environment. It presents four values explaining extreme programming (XP), the most widely adopted agile methodology"--Provided by publisher.

Semiconductor Devices - Kevin M. Kramer 1997

CD-ROM contains: "Win32 version of SGFramework and the simulations contains in the book."

Computer Information Systems and Industrial Management - Khalid Saeed 2019-08-12

This book constitutes the proceedings of the 18th International Conference on Computer Information Systems and Industrial Management Applications, CISIM 2019, held in Belgrade, Serbia, in September 2019. The 43 full papers presented together with 3 abstracts of keynotes were carefully reviewed and selected from 70 submissions. The main topics covered by the chapters in this book are biometrics, security systems, multimedia, classification and clustering, industrial management. Besides these, the reader will find interesting papers on computer information systems as applied to wireless networks, computer graphics, and intelligent systems. The papers are organized in the following topical sections: biometrics and pattern recognition applications; computer information systems; industrial management and other applications; machine learning and high performance computing; modelling and optimization; various aspects of computer security.

ThingLab - A. Borning 1979

A Discipline of Multiprogramming - Jayadev Misra 2012-09-07

In this book, a programming model is developed that addresses the fundamental issues of 'large-scale programming'. The approach unifies several concepts from database theory, object-oriented programming and designs of reactive systems. The model and the associated theory has been christened "Seuss." The major goal of

Seuss is to simplify multiprogramming. To this end, the concern of concurrent implementation is separated from the core program design problem. A program execution is understood as a single thread of control - sequential executions of actions that are chosen according to some scheduling policy. As a consequence, it is possible to reason about the properties of a program from its single execution thread.

OBJECT-ORIENTED SOFTWARE

ENGINEERING - YOGESH SINGH 2012-03-05

This comprehensive and well-written book presents the fundamentals of object-oriented software engineering and discusses the recent technological developments in the field. It focuses on object-oriented software engineering in the context of an overall effort to present object-oriented concepts, techniques and models that can be applied in software estimation, analysis, design, testing and quality improvement. It applies unified modelling language notations to a series of examples with a real-life case study. The example-oriented approach followed in this book will help the readers in understanding and applying the concepts of object-oriented software engineering quickly and easily in various application domains. This book is designed for the undergraduate and postgraduate students of computer science and engineering, computer applications, and information technology. **KEY FEATURES :** Provides the foundation and important concepts of object-oriented paradigm. Presents traditional and object-oriented software development life cycle models with a special focus on Rational Unified Process model. Addresses important issues of improving software quality and measuring various object-oriented constructs using object-oriented metrics. Presents numerous diagrams to illustrate object-oriented software engineering models and concepts. Includes a large number of solved examples, chapter-end review questions and multiple choice questions along with their answers.

Knowledge-based Computer-aided

Architectural Design - Gianfranco Carrara 1994

This text contains reports by researchers working in the area of knowledge-based systems for supporting architectural design. The issues

discussed concern the theories, methods and the systems implementing this research, as well as the role of KBCAAD within architectural design.

Statistics for Research - Shirley Dowdy

2011-09-26

Praise for the Second Edition "Statistics for Research has other fine qualities besides superior organization. The examples and the statistical methods are laid out with unusual clarity by the simple device of using special formats for each. The book was written with great care and is extremely user-friendly."—The UMAP Journal Although the goals and procedures of statistical research have changed little since the Second Edition of Statistics for Research was published, the almost universal availability of personal computers and statistical computing application packages have made it possible for today's statisticians to do more in less time than ever before. The Third Edition of this bestselling text reflects how the changes in the computing environment have transformed the way statistical analyses are performed today. Based on extensive input from university statistics departments throughout the country, the authors have made several important and timely revisions, including: Additional material on probability appears early in the text New sections on odds ratios, ratio and difference estimations, repeated measure analysis, and logistic regression New examples and exercises, many from the field of the health sciences Printouts of computer analyses on all complex procedures An accompanying Web site illustrating how to use SAS® and JMP® for all procedures The text features the most commonly used statistical techniques for the analysis of research data. As in the earlier editions, emphasis is placed on how to select the proper statistical procedure and how to interpret results. Whenever possible, to avoid using the computer as a "black box" that performs a mysterious process on the data, actual computational procedures are also given. A must for scientists who analyze data, professionals and researchers who need a self-teaching text, and graduate students in statistical methods, Statistics for Research, Third Edition brings the methodology up to date in a very practical and accessible way.

Solar Energy Engineering - Soteris A. Kalogirou

2009-07-22

As perhaps the most promising of all the renewable energy sources available today, solar energy is becoming increasingly important in the drive to achieve energy independence and climate balance. This new book is the masterwork from world-renowned expert Dr. Soteris Kalogirou, who has championed solar energy for decades. The book includes all areas of solar energy engineering, from the fundamentals to the highest level of current research. The author includes pivotal subjects such as solar collectors, solar water heating, solar space heating and cooling, industrial process heat, solar desalination, photovoltaics, solar thermal power systems, and modeling of solar systems, including the use of artificial intelligence systems in solar energy systems, modeling and performance prediction. *Written by one of the world's most renowned experts in solar energy *Covers the hottest new developments in solar technology, such as solar cooling and desalination *Packed with quick look up tables and schematic diagrams for the most commonly used systems today'

Applied Econometrics with R - Christian Kleiber
2008-12-10

R is a language and environment for data analysis and graphics. It may be considered an implementation of S, an award-winning language initially developed at Bell Laboratories since the late 1970s. The R project was initiated by Robert Gentleman and Ross Ihaka at the University of Auckland, New Zealand, in the early 1990s, and has been developed by an international team since mid-1997. Historically, econometricians have favored other computing environments, some of which have fallen by the wayside, and also a variety of packages with canned routines. We believe that R has great potential in econometrics, both for research and for teaching. There are at least three reasons for this: (1) R is mostly platform independent and runs on Microsoft Windows, the Mac family of operating systems, and various flavors of Unix/Linux, and also on some more exotic platforms. (2) R is free software that can be downloaded and installed at no cost from a family of mirror sites around the globe, the Comprehensive R Archive Network (CRAN); hence students can easily install it on their own

machines. (3) R is open-source software, so that the full source code is available and can be inspected to understand what it really does, learn from it, and modify and extend it. We also like to think that platform independence and the open-source philosophy make R an ideal environment for reproducible econometric research.

Eigenstructure Assignment for Control System Design - G. P. Liu 1998-04-08

Helicopters, aircraft and missiles are just some of the practical multivariable control systems to which eigenstructure assignment has been applied in recent years. Liu and Patton offer a uniquely integrated introduction to eigenstructure assignment theory and techniques for multi-input multi-output control system design. Features include: * Introduction to the Eigenstructure Assignment Toolbox for use with MATLAB (examples available via the Internet) providing engineers with a powerful set of tools for the design of multivariable systems * Broad coverage including the principle of eigenstructure assignment, basic, insensitive, robust and multiobjective eigenstructure assignment for multirate sampled-data systems, descriptor systems and fault detection systems * Description of the majority of known eigenstructure assignment methods for both state and output feedback control offering the reader a concise reference * Combination of time-domain and frequency-domain performance specifications for robust control design Postgraduates and researchers studying control engineering will appreciate the combination of mathematical theory and practical issues. Control engineers, particularly those working in the aerospace industry, will profit from the detailed application sections which relate eigenstructure assignment to real industrial problems.

Software Visualization - Stephan Diehl
2003-07-31

This book presents the state of the art in software visualization and thus attempts to establish it as a field on its own. Based on a seminar held at Dagstuhl Castle in May 2001, the book offers topical sections on: - algorithm animation - software visualization and software engineering - software visualization and education - graphs in software visualization - and

perspectives of software visualization. Each section starts with an introduction surveying previous and current work and providing extensive bibliographies.

The Complete Guide to Software Testing - Bill Hetzel 1988-04-01

The Complete Guide to Software Testing Bill Hetzel Gain a new perspective to software testing as a life cycle activity, not merely as something that happens at the end of coding. This edition is completely revised and contains new chapters on testing methodologies including ANSI standard-based testing—a survey of testing practices. Dr. Hetzel first develops the concepts and principles of testing. Then he presents detailed discussions of testing techniques, methodologies and management perspectives. Each chapter contains examples, checklists and case studies based on Dr. Hetzel's consulting and management experience. These will help you understand the material and adapt it to your environment. Intended primarily for software developers, testers and managers, auditors and quality assurance specialists will find the book an invaluable aid for the development of testing standards and the evaluation of testing effectiveness. Table of Contents: Introduction. Principles of Testing. Methodology. Testing through Reviews. Testing Requirements. Testing Design. Testing Programs—Testing in the Small. Testing Systems—Testing in the Large. Testing Software Changes. Testing Software Packages. The Role of Management. Organizing the Testing Function. Controlling the Testing Function. Putting the Pieces Together. Testing Practices Survey. Sample Testing Policies. Quality Measurement Diagnostic Checklist. Testing References (Bibliography).

Advanced Software Testing - Vol. 1, 2nd Edition - Rex Black 2015

"This book teaches test managers what they need to know to achieve advanced skills in test estimation, test planning, test monitoring, and test control. Readers will learn how to define the overall testing goals and strategies for the systems being tested. This hands-on, exercise-rich book provides experience with planning, scheduling, and tracking these tasks. You'll be able to describe and organize the necessary activities as well as learn to select, acquire, and assign adequate resources for testing tasks.

You'll learn how to form, organize, and lead testing teams, and master the organizing of communication among the members of the testing teams, and between the testing teams and all the other stakeholders. Additionally, you'll learn how to justify decisions and provide adequate reporting information where applicable. With over thirty years of software and systems engineering experience, author Rex Black is President of RBCS, is a leader in software, hardware, and systems testing, and is the most prolific author practicing in the field of software testing today. He has published a dozen books on testing that have sold tens of thousands of copies worldwide. He is past president of the International Software Testing Qualifications Board (ISTQB) and a director of the American Software Testing Qualifications Board (ASTQB). This book will help you prepare for the ISTQB Advanced Test Manager exam. Included are sample exam questions, at the appropriate level of difficulty, for most of the learning objectives covered by the ISTQB Advanced Level Syllabus. The ISTQB certification program is the leading software tester certification program in the world. With about 300,000 certificate holders and a global presence in over 50 countries, you can be confident in the value and international stature that the Advanced Test Manager certificate can offer you. This second edition has been thoroughly updated to reflect the new ISTQB Advanced Test Manager 2012 Syllabus, and the latest ISTQB Glossary. This edition reflects Rex Black's unique insights into these changes, as he was one of the main participants in the ISTQB Advanced Level Working Group"--

Bayesian Networks - Marco Scutari 2021-07-22 Bayesian Networks: With Examples in R, Second Edition introduces Bayesian networks using a hands-on approach. Simple yet meaningful examples illustrate each step of the modelling process and discuss side by side the underlying theory and its application using R code. The examples start from the simplest notions and gradually increase in complexity. In particular, this new edition contains significant new material on topics from modern machine-learning practice: dynamic networks, networks with heterogeneous variables, and model validation. The first three chapters explain the

whole process of Bayesian network modelling, from structure learning to parameter learning to inference. These chapters cover discrete, Gaussian, and conditional Gaussian Bayesian networks. The following two chapters delve into dynamic networks (to model temporal data) and into networks including arbitrary random variables (using Stan). The book then gives a concise but rigorous treatment of the fundamentals of Bayesian networks and offers an introduction to causal Bayesian networks. It also presents an overview of R packages and other software implementing Bayesian networks. The final chapter evaluates two real-world examples: a landmark causal protein-signalling network published in Science and a probabilistic graphical model for predicting the composition of different body parts. Covering theoretical and practical aspects of Bayesian networks, this book provides you with an introductory overview of the field. It gives you a clear, practical understanding of the key points behind this modelling approach and, at the same time, it makes you familiar with the most relevant packages used to implement real-world analyses in R. The examples covered in the book span several application fields, data-driven models and expert systems, probabilistic and causal perspectives, thus giving you a starting point to work in a variety of scenarios. Online supplementary materials include the data sets and the code used in the book, which will all be made available from

<https://www.bnlearn.com/book-crc-2ed/>
Resampling Methods - Phillip I. Good 2013-03-14
"...the author has packaged an excellent and modern set of topics around the development and use of quantitative models...the author has the capability to work at a more modest level. He does that very effectively in this 2nd Edition... If you need to learn about resampling, this book would be a good place to start." -- Technometrics
This work is a practical, table-free introduction to data analysis using the bootstrap, cross-validation, and permutation tests; new to the second edition are several additional examples and a chapter dedicated to regression, data mining techniques, and their limitations. The book's many exercises, practical data sets, and use of free shareware make it an essential resource for students and teachers, as

well as industrial statisticians, consultants, and research professionals.