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Developed from celebrated Harvard statistics lectures, Introduction to Probability provides essential language and tools for understanding statistics, randomness, and uncertainty. The book explores a wide variety of applications and examples, ranging from coincidences and paradoxes to Google PageRank and Markov chain Monte Carlo (MCMC). Additional application areas explored include genetics, medicine, computer science, and information theory. The print book version includes a code that provides free access to an eBook version. The authors present the material in an accessible style and motivate concepts using real-world examples. Throughout, they use stories to uncover connections between the

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fundamental distributions in statistics and conditioning to reduce complicated problems to manageable pieces. The book includes many intuitive explanations, diagrams, and practice problems. Each chapter ends with a section showing how to perform relevant simulations and calculations in R, a free statistical software environment. For courses in Java Introduction to Programming and Object-Oriented Programming. The Fifth Edition of this outstanding text is revised in every detail to enhance clarity, content, presentation, examples, and exercises. Now expanded to include more extensive coverage of advanced Java topics, this new edition is available two ways. Choose the Comprehensive edition (chapters 1-29) that includes the new advanced material or choose the Custom Core version (chapters 1-16) that covers material through exception handling and IO. The early chapters outline the conceptual basis for understanding Java and guide students through simple examples and exercises. Subsequent chapters progressively present Java programming in detail, including using objects for design, culminating with the development of comprehensive Java applications. This book constitutes the refereed proceedings of the 7th International Work-Conference on Ambient Assisted Living, IWAAL 2015, held in Puerto Varas, Chile, in December 2015. The 20 full papers presented with 7 short papers were carefully reviewed and selected from 31 submissions. The focus of the papers is on following topics: ambient assisted living for tele-care and tele-rehabilitation; ambient assisted living environments; behaviour analysis and activity recognition; sensing for health and wellbeing; human interaction and perspectives in ambient assisted living solutions. "Introduction to Java Programming, Comprehensive, 9e, " features comprehensive coverage ideal for a one-, two-, or three-semester CS1 course sequence. Daniel Liang teaches concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java. Containing more than

6,000 entries, CRC Standard Mathematical Tables and Formulas, 33rd Edition continues to provide essential formulas, tables, figures and detailed descriptions. The newest edition of this popular series also features many diagrams, group tables, and integrals that are not available online. This edition also incorporates important topics such as max plus algebra, financial options, pseudospectra, and proof methods. Newly updated topics reflecting new results include couple analogues, radar, and significant equations of mathematics. New features of the 33rd edition include: Larger trim size, five new topics, and topics which have been modified to update results Provides practical, ready-to-use information and covers important topics that are unfamiliar to many readers, such as visual proofs and sequences Includes hard-to-find and more complete information than found in the Internet such as table of conformal mappings and integral tables Adds descriptions of new functions: Lambert, prolate spheroidal, and Weierstrass Even though the book has been updated it retains the same successful format of previous editions in that material is still presented in a multi-sectional format.

"Programming is, above all, problem solving. This book will help student thoroughly understand real-world programming problems - and solve those problems quickly and efficiently, using Java 5." "Ideal for novice programmers, this book begins by providing a rock-solid foundation in core programming and problem-solving techniques. Building on this foundation, students steadily deepen their skills, one step at a time. They master basic object-oriented programming and design; create effective event-driven GUIs; use exception handling to build more robust software; learn best practices for managing I/O; even use recursive methods to simplify difficult problems."--BOOK JACKET. An audience-centered approach to public speaking Public Speaking: An Audience-Centered Approach brings theory and practice together. Its distinctive and popular approach emphasizes the importance of analyzing and considering the audience at every point in the speech making process. This model of public speaking is the foundation of the text, and it guides students through the step-by-step process of public speaking, focusing their attention on the

dynamics of diverse audiences, and narrowing the gap between the classroom and the real world. MyCommunicationLab is an integral part of the Beebe/Beebe program.

MyCommunicationLab is an integral part of the Beebe/Beebe program. With extensive opportunities for the application of course content, MyCommunicationLab helps students become better speakers and master key public speaking concepts. Interactive videos provide students with the opportunity to watch and evaluate sample speeches. Online self-assessments and pre- and post-tests help students assess their comfort level with public speaking and their knowledge of the material. MediaShare allows students to post speeches and share them with classmates and instructors. ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- Introduction to Programming Using Python is intended for use in the introduction to programming course. Daniel Liang is known for his "fundamentals-first" approach to teaching programming concepts and techniques. Software -- Programming Languages. For comprehensive courses in rapid Java application development. Comprehensive and incremental, this text focuses on rapid Java application development. The early chapters introduce JavaBeans - the basis of rapid Java application development;

while subsequent chapters apply - step-by-step - rapid application development techniques to build comprehensive, robust and useful graphics applications, RMI, and Java servlets. \*NEW - Updated to JBuilder 4 and 5 Screen shots are taken from JBuilder 4 and new features in JBuilder 5 are presented in JBuilder 5 NOTE boxes, students can use either JBuilder 4 or JBuilder 5 with this book. \*NEW - UML graphical notations are used to describe classes and their relationships whenever appropriate, teaches students about this standard notation that is used in the real world for planing and developing object-oriented programs. \*NEW - Chapter 16: Servlets, provides comprehensive coverage of servlets, teaching students about this aspect of server-side Java programming. \*NEW - 80% more exercises - Solutions to the even-numbered exercises are available for students, provides more opportunity for students to apply the concepts in each chapter and test thei First on the market to cover Sun's new IDE Forte, this special edition of a Liang's widely used Java book is a comprehensive introduction to Java programming with an expanded in-depth treatment of object-oriented programming. The book is easy to read and well paced, and is ideal for self-study. The book covers all subjects required in the Level I Java Certification Exam -- fundamentals of programming (including primitive data types, control statements, methods, and arrays); object-oriented programming; graphics programming; exception handling; internalization; multithreading; multimedia; I/O; networking; and Java data structures /\*0022R-5, 0-13-100225-2, Liang, Y. Daniel, Introduction to Java Programming, Fourth Edition\*/" Using a step-by-step approach that fosters self-teaching for professionals studying for the SUN Java Certification Exam, this completely revised Fourth Edition of this widely used book provides an outstanding introduction to Java programming in four parts." This text lays a solid foundation with programming elements, control structures, and methods, and then moves on to object-oriented programming, graphical user interface, applets, internationalization, multimedia, I/O, and networking. This book clearly covers all of the required subjects in the Java Certification Exam." For beginning or experienced

programmers who want a comprehensive introduction to Java programming with an expanded in-depth treatment of object-oriented programming. Many students have trouble the first time they take a mathematics course in which proofs play a significant role. This new edition of Velleman's successful text will prepare students to make the transition from solving problems to proving theorems by teaching them the techniques needed to read and write proofs. The book begins with the basic concepts of logic and set theory, to familiarize students with the language of mathematics and how it is interpreted. These concepts are used as the basis for a step-by-step breakdown of the most important techniques used in constructing proofs. The author shows how complex proofs are built up from these smaller steps, using detailed 'scratch work' sections to expose the machinery of proofs about the natural numbers, relations, functions, and infinite sets. To give students the opportunity to construct their own proofs, this new edition contains over 200 new exercises, selected solutions, and an introduction to Proof Designer software. No background beyond standard high school mathematics is assumed. This book will be useful to anyone interested in logic and proofs: computer scientists, philosophers, linguists, and of course mathematicians. Easy-to-apply, scientifically-based approaches for engaging students in the classroom Cognitive scientist Dan Willingham focuses his acclaimed research on the biological and cognitive basis of learning. His book will help teachers improve their practice by explaining how they and their students think and learn. It reveals-the importance of story, emotion, memory, context, and routine in building knowledge and creating lasting learning experiences. Nine, easy-to-understand principles with clear applications for the classroom Includes surprising findings, such as that intelligence is malleable, and that you cannot develop "thinking skills" without facts How an understanding of the brain's workings can help teachers hone their teaching skills "Mr. Willingham's answers apply just as well outside the classroom. Corporate trainers, marketers and, not least, parents -anyone who cares about how we learn-should find his book valuable reading." —Wall Street Journal Real Analysis and

Applications starts with a streamlined, but complete, approach to real analysis. It finishes with a wide variety of applications in Fourier series and the calculus of variations, including minimal surfaces, physics, economics, Riemannian geometry, and general relativity. The basic theory includes all the standard topics: limits of sequences, topology, compactness, the Cantor set and fractals, calculus with the Riemann integral, a chapter on the Lebesgue theory, sequences of functions, infinite series, and the exponential and Gamma functions. The applications conclude with a computation of the relativistic precession of Mercury's orbit, which Einstein called "convincing proof of the correctness of the theory [of General Relativity]." The text not only provides clear, logical proofs, but also shows the student how to derive them. The excellent exercises come with select solutions in the back. This is a text that makes it possible to do the full theory and significant applications in one semester. Frank Morgan is the author of six books and over one hundred articles on mathematics. He is an inaugural recipient of the Mathematical Association of America's national Haimo award for excellence in teaching. With this applied version of his Real Analysis text, Morgan brings his famous direct style to the growing numbers of potential mathematics majors who want to see applications along with the theory. The book is suitable for undergraduates interested in real analysis. For courses in Java - Introduction to Programming and Object-Oriented Programming, this fifth edition is revised and expanded to include more extensive coverage of advanced Java topics. Early chapters guide students through simple examples and exercises. Subsequent chapters progressively present Java programming in detail. Born into a farming family in Indiana, Jay Edwards, along with his wife and family, has been a missionary and agricultural businessman in South America since 1987. Challenged by the difficulty of dealing first-hand with decisions pertaining to bribes, extortion, threats, unfair bidding processes, political favoritism, blackmail, kickbacks, and other unethical practices, Edwards realized that the Daniel of the Bible, in all probability, faced these issues also. If God could guide Daniel in ancient Babylon, the cradle of perversity, then

He could surely guide the author through the labyrinth of politically charged ethical dilemmas so often encountered in South American bureaucracy. How did Daniel do it? How can one adhere to Christian values in a corrupt world? How does one determine the most expedient path when choosing the lesser of the evils? This fast-paced historical fiction poses possible solutions for Daniel and his friends. The book includes as an appendix, Issues Daniel Faced, which provides interesting questions and themes which may be used as a discussion guide for similar issues in our world today. Through the previous three editions, Handbook of Differential Equations has proven an invaluable reference for anyone working within the field of mathematics, including academics, students, scientists, and professional engineers. The book is a compilation of methods for solving and approximating differential equations. These include the most widely applicable methods for solving and approximating differential equations, as well as numerous methods. Topics include methods for ordinary differential equations, partial differential equations, stochastic differential equations, and systems of such equations. Included for nearly every method are: The types of equations to which the method is applicable The idea behind the method The procedure for carrying out the method At least one simple example of the method Any cautions that should be exercised Notes for more advanced users The fourth edition includes corrections, many supplied by readers, as well as many new methods and techniques. These new and corrected entries make necessary improvements in this edition. A fundamentals-first introduction to basic programming concepts and techniques. Introduction to Java Programming and Data Structures seamlessly integrates programming, data structures, and algorithms into one text. With a fundamentals-first approach, the text builds a strong foundation of basic programming concepts and techniques before teaching students object-oriented programming and advanced Java programming. Liang explains programming in a problem-driven way that focuses on problemsolving rather than syntax, illustrating basic concepts by example and providing a large number of exercises with various levels of

difficulty for students to practice. The 12th Edition is completely revised in every detail to enhance clarity, presentation, content, examples, and exercises. Plunkett's InfoTech Industry Almanac presents a complete analysis of the technology business, including the convergence of hardware, software, entertainment and telecommunications. This market research tool includes our analysis of the major trends affecting the industry, from the rebound of the global PC and server market, to consumer and enterprise software, to super computers, open systems such as Linux, web services and network equipment. In addition, we provide major statistical tables covering the industry, from computer sector revenues to broadband subscribers to semiconductor industry production. No other source provides this book's easy-to-understand comparisons of growth, expenditures, technologies, imports/exports, corporations, research and other vital subjects. The corporate profile section provides in-depth, one-page profiles on each of the top 500 InfoTech companies. We have used our massive databases to provide you with unique, objective analysis of the largest and most exciting companies in: Computer Hardware, Computer Software, Internet Services, E-Commerce, Networking, Semiconductors, Memory, Storage, Information Management and Data Processing. We've been working harder than ever to gather data on all the latest trends in information technology. Our research effort includes an exhaustive study of new technologies and discussions with experts at dozens of innovative tech companies. Purchasers of the printed book or PDF version may receive a free CD-ROM database of the corporate profiles, enabling export of vital corporate data for mail merge and other uses. NOTE Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, and registrations are not transferable. To register for and use Pearson's MyLab & Mastering products, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of Pearson. If purchasing or renting from companies other than Pearson, the access codes for Pearson's

MyLab & Mastering products may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. This text is intended for a 1-semester CS1 course sequence. The Brief Version contains the first 18 chapters of the Comprehensive Version. The first 13 chapters are appropriate for preparing the AP Computer Science exam. For courses in Java Programming. A fundamentals-first introduction to basic programming concepts and techniques. Designed to support an introductory programming course, Introduction to Java Programming and Data Structures, Brief Version teaches you concepts of problem-solving and object-oriented programming using a fundamentals-first approach. As beginner programmers, you learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX, which has replaced Swing as the new GUI tool for developing cross-platform-rich Internet applications and is simpler to learn and use. The 11th edition has been completely revised to enhance clarity and presentation, and includes new and expanded content, examples, and exercises. Personalize learning with MyProgrammingLab (TM). MyProgrammingLab is an online learning system designed to engage students and improve results.

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Introduction to Java programming and data structures / Y. Daniel Liang, Armstrong Atlantic State University. Eleventh edition. Comprehensive version. 2018. SHORTLISTED FOR THE BAILLIE GIFFORD PRIZE 2017 SHORTLISTED FOR THE LONDON HELLENIC PRIZE 2017 WINNER OF THE PRIX MÉDITERRANÉE 2018 From the award-winning, best-selling writer: a deeply moving tale of a father and son's transformative journey in reading - and reliving - Homer's epic masterpiece. This text is intended for a 1-, 2-, or 3-semester CS1 course sequence. Daniel Liang teaches concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java. Teaching and Learning Experience To provide a better teaching and learning experience, for both instructors and students, this program offers: Fundamentals-First Approach: Basic programming concepts are introduced on control statements, loops, functions, and arrays before object-oriented programming is discussed. Problem-Driven Motivation: The examples and exercises throughout the book emphasize problem solving and foster the concept of developing reusable components and using them to create practical projects. A Superior Pedagogical Design that Fosters Student Interest: Key concepts are reinforced with objectives lists, introduction and chapter overviews, easy-to-follow examples, chapter summaries, review questions, programming exercises, and interactive self-tests. The Most Extensive Instructor and Student Support Package Available In this most recent iteration of "Rapid Java," Y. Daniel Liang shows both professionals and students how to use Sun ONE Studio 4 to develop and manage advanced Java programs. The text covers Java Beans, model-view control, advanced Swing components, JDBC, servlets, JSP and RMI. This book will allow the reader to master the powerful Sun ONE Studio 4 IDE and use it to develop advanced W v projects effectively, efficiently, and with a minimum of coding. As with earlier editions, the approach is incremental in style. Early chapters introduce

JavaBeans, the building blocks of rapid Java development, while later chapters focus, sequentially, on rapid application development techniques designed to create comprehensive, robust, and useful graphics applications, RMI and Java servlets. Beneficial Features: Hands-on examples provides step-by-step instruction in building a project using w m ONE Studio's Form, Beans Pattern wizard and a variety of other wizards. Comprehensive coverage of advanced Java programming on Java Beans, Bean event models, developing customized components, Swing components, creating custom layout managers, Bean persistence, bound properties and constraint properties, Bean introspection and customization, Java database programming and distributed programming using remote method invocation and Java servlets. UML graphical notations illustrate real-world standard notations used for Manning and developing object-oriented programs. Excellent pedagogy includes "Notes" expanding the reader's informational base on the topic matter, "Tips" to develop good programming style and practice, and "Cautions" to help avoid programming errors. CD-ROM with each book contains Sun ONE Studio 4 and Forte IDE source code, solutions to even-numbered programming exercises, and a wealth of related software. A website to supplement the text will be provided by the author. ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. NOTE: Make sure to use the dashes shown on the Access Card Code when entering the code. Student can use the URL and phone number below to help answer their questions: <http://247pearsoned.custhelp.com/app/home> 800-677-6337 Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book

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concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java. For a 1-, 2-, or 3-semester CS1 course sequence. ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- This text is intended for a 1-, 2-, or 3-semester CS1 course sequence. Comprehensive coverage of Java and programming make this a useful reference for beginning programmers and IT professionals. Daniel Liang teaches concepts of problem-solving and object-oriented programming using a fundamentals-first approach. Beginning programmers learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using Java. MyProgrammingLab for Introduction to Java Programming is a total learning package. MyProgrammingLab is an online homework, tutorial, and assessment program that truly engages students in learning. It helps students better prepare for class, quizzes, and exams--resulting in better performance in the course--and provides educators a dynamic set of tools for gauging individual and class progress. Teaching and



Learning Experience To provide a better teaching and learning experience, for both instructors and students, this program offers:

**Personalized Learning:** Through the power of practice and immediate personalized feedback, MyProgrammingLab helps students fully grasp the logic, semantics, and syntax of programming.

**Fundamentals-First Approach:** Basic programming concepts are introduced on control statements, loops, functions, and arrays before object-oriented programming is discussed.

**Problem-Driven Motivation:** The examples and exercises throughout the book emphasize problem solving and foster the concept of developing reusable components and using them to create practical projects.

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Students learn basic logic and programming concepts prior to moving into object-oriented and GUI programming. The content incorporates a wide variety of problems with various levels of difficulty and covers many application areas to engage and motivate students. Revel is Pearson's newest way of delivering our respected content. Fully digital and highly engaging, Revel replaces the textbook and gives students everything they need for the course. Informed by extensive research on how people read, think, and learn, Revel is an interactive learning environment that enables students to read, practice, and study in one continuous experience—for less than the cost of a traditional textbook. This text is intended for a 1-semester CS1 course sequence. The Brief Version contains the first 18 chapters of the Comprehensive Version. The first 13 chapters are appropriate for preparing the AP Computer Science exam. For courses in Java Programming.

A fundamentals-first introduction to basic programming concepts and techniques Designed to support an introductory programming course, Introduction to Java Programming and Data Structures, Brief Version teaches you concepts of problem-solving and object-orientated programming using a fundamentals-first approach. As beginner programmers, you learn critical problem-solving techniques then move on to grasp the key concepts of object-oriented, GUI programming, advanced GUI and Web programming using JavaFX. This course approaches Java GUI programming using JavaFX, which has replaced Swing as the new GUI tool for developing cross-platform-rich Internet applications and is simpler to learn and use. The 11th edition has been completely revised to enhance clarity and presentation, and includes new and expanded content, examples, and exercises. Also available with MyLab Programming. MyLab Programming(tm) is an online learning system designed to engage students and improve results. MyLab Programming consists of programming exercises correlated to the concepts and objectives in this book. Through practice exercises and immediate, personalized feedback, MyLab Programming improves the programming competence of beginning students who often struggle with the basic concepts of programming

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