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Signal Maintainer Passbooks *The Signal Maintainer Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: installation, maintenance and repair of electrical, electronic and electro-mechanical systems; electrical theory and principles; technical drawings; safety and emergency procedures; tools and equipment; shop mathematics; and more.* **Maintainer's Helper, Group B Career Examination** *The Maintainer's Helper, Group B Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: Proper selection and use of hand and power tools and equipment employed in the maintenance and repair mechanical and electro-mechanical equipment; Safe work practices in repair of mechanical and electro-mechanical equipment; Reading and interpreting written instructions; and more.* **Track Equipment Maintainer Career Examination Passbooks** *The Track Equipment Maintainer Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: the maintenance, troubleshooting and repair of gasoline and diesel engines, and hydraulic and pneumatic track of construction equipment; the starting, charging and control system of a piece of electrical equipment; safe and efficient work practices; and other related areas.*

Automatic Train Control in Rail Rapid Transit New York City Bus Operator Exam Review Guide [Network4Learning, inc.](#) *Learn the Secret to Success on the New York City Bus Operator Exam Learn how to pass the New York City Bus Operator Exam and become a Bus Operator for the MTA, NYCT, or MaBSTOA. The New York City Exam Review Guide includes practice questions and instruction on how to tackle the specific subject areas on the Bus Operator Test. Network4Learning has found the most up-to-date information to help you succeed on the Bus Operator Test. The New York City Bus Operator Exam Review Guide helps you prepare for the MTA, NYCT, and the MaBSTOA Bus Operator exams by reviewing only the material found on the actual Bus Operator Exam. By cutting through anything unnecessary and avoiding generic chapters on material not tested, our New York City Bus Operator Exam Review Guide makes efficient use of your time. Our authors are experienced teachers who are constantly taking civil service exams and researching current methods in assessment. This research and experience allow us to create guides that are current and reflect the actual exam questions on the NYC Bus Operator Test beautifully. This New York City Bus Operator Exam Review Guide includes sections on: Insider information about the Bus Operator Test An overview of the Bus Operator Exam How to Overcome Test Anxiety Test Preparation Strategies Exam Subareas and Practice Questions Safe Driving Customer Service Reading Schedules A thoughtful section on the BOSS Exam Performing Inspections NYC Bus Operator Exam specific glossary Our mission at Network4Learning is to provide the most current and useful information. We tirelessly research and write about exams- providing you with the most useful review material available for the NYC Bus Operator Exam.* **How to Accelerate Your Internet A Practical Guide to Bandwidth Management and Optimisation Using Open Source Software** [Lulu.com](#) **LPI Linux Certification in a Nutshell** ["O'Reilly Media, Inc."](#) *LPI Linux Certification in a Nutshell, Second Edition is an invaluable resource for determining what you need to practice to pass the Linux Professional Institute exams. This book will help you determine when you're ready to take the exams, which are technically challenging and designed to reflect the skills that administrators need in real working environments. As more corporations adopt Linux as the networking backbone for their IT systems, the demand for certified technicians will become even greater. Passing the LPI exams will broaden your career options because the LPI is the most widely known and respected Linux certification program in the world. Linux Journal recognized the LPI as the best Training and Certification Program. The exams were developed by the Linux Professional Institute, an international, volunteer-driven organization with affiliates in a dozen countries. The core LPI exams cover two levels. Level 1 tests a basic knowledge of Linux installation, configuration, and command-line skills. Level 2 goes into much more depth regarding system troubleshooting and network services such as email and the Web. The second edition of LPI Linux Certification in a Nutshell is a thoroughly researched reference to these exams. The book is divided into four parts, one for each of the LPI exams. Each part features not only a summary of the core skills you need, but sample exercises and test questions, along with helpful hints to let you focus your energies. Major topics include: GNU and Unix commands Linux installation and package management Devices, filesystems, and kernel configuration Text editing, processing, and printing The X Window System Networking fundamentals and troubleshooting Security, including intrusion detection, SSH, Kerberos, and more DNS, DHCP, file sharing, and other networking infrastructure Email, FTP, and Web services Praise for the first edition: "Although O'Reilly's Nutshell series are intended as 'Desktop Reference' manuals, I have to recommend this one as a good all-round read; not only as a primer for LPI certification, but as an excellent introductory text on GNU/Linux. In all, this is a valuable addition to O'Reilly's already packed stable of Linux titles and I look forward to more from the author." --First Monday* **CompTIA Linux+ Complete Study Guide Authorized**

Courseware Exams LX0-101 and LX0-102 [John Wiley and Sons](#) New edition prepares candidates for exams LX0-101 and LX0-102—and Linux+ certification! The two leading Linux certification bodies, CompTIA and Linux Professional Institute (LPI), have joined forces to release two new Linux+ exams, LX0-101 and LX0-102. This new Sybex study guide breaks down everything you need to prepare for the exams. Covering all exam objectives, the book explains Linux command-line tools, managing software, configuring hardware, managing files and filesystems, and much more. The companion CD features a leading-edge test engine and a host of other study tools, giving you ample opportunity to study, practice, and review. Covers all exam objectives for the Linux+ exams, LX0-101 and LX0-102 Explains Linux command-line tools, managing software, configuring hardware, the boot process and scripts, and managing files and filesystems Also covers working with the X Window system, administering the system, basic networking, and server and system security Provides leading-edge test prep software, four practice exams, over 100 electronic flashcards, and the book in searchable PDF, on a companion CD If you want to prepare for Linux+ certification, a Sybex Study Guide is what you need! Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file. **Web Development with Node and Express Leveraging the JavaScript Stack** "O'Reilly Media, Inc." Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0. **The Art of UNIX Programming** Addison-Wesley Professional The Art of UNIX Programming poses the belief that understanding the unwritten UNIX engineering tradition and mastering its design patterns will help programmers of all stripes to become better programmers. This book attempts to capture the engineering wisdom and design philosophy of the UNIX, Linux, and Open Source software development community as it has evolved over the past three decades, and as it is applied today by the most experienced programmers. Eric Raymond offers the next generation of "hackers" the unique opportunity to learn the connection between UNIX philosophy and practice through careful case studies of the very best UNIX/Linux programs. **Open Source Technology and Policy** Cambridge University Press From the Internet's infrastructure to operating systems like GNU/Linux, the open source movement comprises some of the greatest accomplishments in computing over the past quarter century. Its story embraces technological advances, unprecedented global collaboration, and remarkable tools for facilitating distributed development. The evolution of the Internet enabled an enormous expansion of open development, allowing developers to exchange information and ideas without regard to constraints of space, time, or national boundary. The movement has had widespread impact on education and government, as well as historic cultural and commercial repercussions. Part I discusses key open source applications, platforms, and technologies used in open development. Part II explores social issues ranging from demographics and psychology to legal and economic matters. Part III discusses the Free Software Foundation, open source in the public sector (government and education), and future prospects. **Train Service Supervisor Passbooks** The Train Service Supervisor Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: the rules, regulations and operating procedures; train controls and car equipment; flagging, signals, safety and emergency procedures; instructing and supervising train crews, tower operators and other transit authority employees involved in train movement; and other related areas. **Light Rail Service Pedestrian and Vehicular Safety** This report provides documentation and presents the results of a study to improve the safety of light rail transit (LRT) in semiexclusive rights-of-way where light rail vehicles operate at speeds greater than 35 mph through crossings with streets and pedestrians pathways. This report also presents the results of field tests conducted to improve the safety of higher speed LRT systems through grade crossing design. **The Cathedral & the Bazaar Musings on Linux and Open Source by an Accidental Revolutionary** "O'Reilly Media, Inc." Open source provides the competitive advantage in the Internet Age. According to the August Forrester Report, 56 percent of IT managers interviewed at Global 2,500 companies are already using some type of open source software in their infrastructure and another 6 percent will install it in the next two years. This revolutionary model for collaborative software development is being embraced and studied by many of the biggest players in the high-tech industry, from Sun Microsystems to IBM to Intel. The Cathedral & the Bazaar is a must for anyone who cares about the future of the computer industry or the dynamics of the information economy. Already, billions of dollars have been made and lost based on the ideas in this book. Its conclusions will be studied, debated, and implemented for years to come. According to Bob Young, "This is Eric Raymond's great contribution to the success of the open source revolution, to the adoption of Linux-based operating systems, and to the success of open source users and the companies that supply them." The interest in open source software development has grown enormously in the past year. This revised and expanded paperback edition includes new material on open source developments in 1999 and 2000. Raymond's clear and effective writing style accurately describing the benefits of open source software has been key to its success. With major vendors creating acceptance for open source within companies, independent vendors will become the open source story in 2001. **Electrician's Helper Passbooks** The Electrician's Helper Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: materials, tools and equipment used in electrical work; safe working practices; basic electrical skills, good housekeeping practices; maintain and cleaning machines, tools and equipment; basic principles of electricity; electrical calculations; diagrams, schematics and plans; and more. **Handbook of Clinical Techniques in Pediatric Dentistry** John Wiley & Sons The Handbook of Clinical Techniques in Pediatric Dentistry provides the clinician with an increased level of expertise and skills for timely identification and intervention for various presentations in the developing dentition. It also

clearly describes procedures for treatment in the primary and young permanent dentitions, including pulp therapy for primary and young permanent molars, extractions, space maintenance, and more. The most commonly encountered treatment needs are discussed with the goal of increasing clinician and staff confidence while decreasing chair-time and stress. With an emphasis on practical instruction, *The Handbook of Clinical Techniques in Pediatric Dentistry* is ideal for pediatric and general dentists, pediatric residents, and dental students taking clinical pediatric courses. **Handbook of Pediatric Dentistry E-Book** Elsevier Health Sciences The new edition of this internationally recognised text offers comprehensive guidance on the successful management of the child in the dental setting. Prepared by authors of international renown, the Handbook of Paediatric Dentistry presents a volume that takes the reader far beyond the technical skills that are needed to treat disorders of the childhood dentition and instead delivers a whole philosophy of integrative patient care. Richly illustrated and in full colour throughout, the Handbook of Paediatric Dentistry is written in a friendly 'how to' manner and contains useful 'pull out' boxes to act as useful aide-mémoires. Exploring a variety of topics, the book includes discussion of child development, practical communication skills and advice on how to deal with behavioural problems. Clinical topics include the management of caries, fluoridation, restorative dentistry, pulp therapy, trauma management, oral medicine and pathology, dental anomalies, and the treatment of medically compromised children. Chapters also explore the use of orthodontics, the management of cleft lip and palate and speech, language and swallowing. The Handbook of Paediatric Dentistry has become an essential chairside and bedside companion for all practitioners caring for children and is suitable for undergraduate dental students, general dental practitioners, specialist paediatric dentists, orthodontists and paediatricians. Established as the foremost available comprehensive handbook on paediatric dentistry Prepared in an 'easy-to-digest' fashion - which allows for quick reference and easy reading Contains over 550 full colour line artworks, photographs and tables together with 'Clinical Hints' boxes to act as useful aide-mémoires Sets out the essentials for managing conditions such as clefting disorders, haematological and endocrine disorders, congenital cardiac disease, disorders of metabolism, organ transplantation and cancer in children as well as more familiar presentations such as dental trauma, oral infections and caries Detailed appendices provide the reader with information that is often difficult to find and which may be overlooked Designed specifically to give all practitioners confidence when managing children Convenient handbook size ensures that the book can be easily referred to in the clinical setting Endorsed by the Australasian Academy of Paediatric Dentistry ~ Improved layout and completely new colour illustrations Expanded section on sedation and use of nitrous oxide Includes details from the most recent international guidelines Cases expanded to show 20 year follow-up Includes the latest research findings in orthodontics Fully updated section on clefting problems **The Signalman's Journal Strategies for Acquisition Agility Approaches for Speeding Delivery of Defense Capabilities** The authors analyze various approaches to speed acquisition of military capabilities and keep pace with evolving threats, assess these approaches' suitability for different conditions and acquisition types, and identify implementation issues. **Skilled Craft Battery Test Career Examination** ... to determine your knowledge and familiarity with common scenarios you will encounter for the job you are applying for. This is a combination of reasoning, problem solving and technical knowledge. The written test will be of the multiple-choice type and may include questions on mechanical comprehension, tool knowledge, industrial skills and problem solving, arithmetic, systems troubleshooting and other related areas. **The Practice of System and Network Administration Volume 1: DevOps and other Best Practices for Enterprise IT** Addison-Wesley Professional With 28 new chapters, the third edition of *The Practice of System and Network Administration* innovates yet again! Revised with thousands of updates and clarifications based on reader feedback, this new edition also incorporates DevOps strategies even for non-DevOps environments. Whether you use Linux, Unix, or Windows, this new edition describes the essential practices previously handed down only from mentor to protégé. This wonderfully lucid, often funny cornucopia of information introduces beginners to advanced frameworks valuable for their entire career, yet is structured to help even experts through difficult projects. Other books tell you what commands to type. This book teaches you the cross-platform strategies that are timeless! DevOps techniques: Apply DevOps principles to enterprise IT infrastructure, even in environments without developers Game-changing strategies: New ways to deliver results faster with less stress Fleet management: A comprehensive guide to managing your fleet of desktops, laptops, servers and mobile devices Service management: How to design, launch, upgrade and migrate services Measurable improvement: Assess your operational effectiveness; a forty-page, pain-free assessment system you can start using today to raise the quality of all services Design guides: Best practices for networks, data centers, email, storage, monitoring, backups and more Management skills: Organization design, communication, negotiation, ethics, hiring and firing, and more Have you ever had any of these problems? Have you been surprised to discover your backup tapes are blank? Ever spent a year launching a new service only to be told the users hate it? Do you have more incoming support requests than you can handle? Do you spend more time fixing problems than building the next awesome thing? Have you suffered from a botched migration of thousands of users to a new service? Does your company rely on a computer that, if it died, can't be rebuilt? Is your network a fragile mess that breaks any time you try to improve it? Is there a periodic "hell month" that happens twice a year? Twelve times a year? Do you find out about problems when your users call you to complain? Does your corporate "Change Review Board" terrify you? Does each division of your company have their own broken way of doing things? Do you fear that automation will replace you, or break more than it fixes? Are you underpaid and overworked? No vague "management speak" or empty platitudes. This comprehensive guide provides real solutions that prevent these problems and more! **Asterisk: The Definitive Guide The Future of Telephony Is Now** "O'Reilly Media, Inc." Design a complete Voice over IP (VoIP) or traditional PBX system with Asterisk, even if you have only basic telecommunications knowledge. This bestselling guide makes it easy, with a detailed roadmap that shows you how to install and configure this open source software, whether you're upgrading your existing phone system or starting from scratch. Ideal for Linux administrators, developers, and power users, this updated edition shows you how to write a basic dialplan step-by-step, and brings you up to speed on the features in Asterisk 11, the latest long-term support release from Digium. You'll quickly gain working knowledge to build a simple yet inclusive system. Integrate Asterisk with analog, VoIP, and digital telephony systems Build an interactive dialplan, using best practices for more advanced features Delve into voicemail options, such as storing messages in a database Connect to external services including Google Talk, XMPP, and calendars Incorporate Asterisk features and functions into a relational database to facilitate information sharing Learn how to use Asterisk's security, call routing, and faxing features Monitor and control

your system with the Asterisk Manager Interface (AMI) Plan for expansion by learning tools for building distributed systems

Textbook of Endodontology John Wiley & Sons The second edition of Textbook of Endodontology continues the aim of serving the educational needs of dental students and dental practitioners searching for updates on endodontic theories and techniques. Significantly restructured and completely updated, the new edition maintains the ethos of the original, facilitating ease of learning through pedagogical features such as annotated references, core concepts and key literature. It features a number of new chapters on topics ranging from outcomes of endodontic treatment to managing endodontic complications to dental trauma. Additionally, all other chapters have been thoroughly revised and brought up to date to reflect contemporary knowledge and practice. Textbook of Endodontology continues its important function of providing lucid scholarship and clear discussion of biological concepts and treatment principles in endodontics, and as such will be an important update to its current readers and a valuable discovery to its new audience.

LPIC-2: Linux Professional Institute Certification Study Guide Exam 201 and Exam 202 John Wiley & Sons Full coverage of the latest LPI-level 2 exams, with bonus online test bank LPIC-2 is the one-stop preparation resource for the Linux Professional Institute's Advanced Level certification exam. With 100 percent coverage of all exam objectives, this book provides clear and concise coverage of the Linux administration topics you'll need to know for exams 201 and 202. Practical examples highlight the real-world applications of important concepts, and together, the author team provides insights based on almost fifty years in the IT industry. This brand new second edition has been completely revamped to align with the latest versions of the exams, with authoritative coverage of the Linux kernel, system startup, advanced storage, network configuration, system maintenance, web services, security, troubleshooting, and more. You also get access to online learning tools including electronic flashcards, chapter tests, practice exams, and a glossary of critical terms to help you solidify your understanding of upper-level Linux administration topics. The LPI-level 2 certification confirms your advanced Linux skill set, and the demand for qualified professionals continues to grow. This book gives you the conceptual guidance and hands-on practice you need to pass the exam with flying colors. Understand all of the material for both LPIC-2 exams Gain insight into real-world applications Test your knowledge with chapter tests and practice exams Access online study aids for more thorough preparation Organizations are flocking to the open-source Linux as an excellent, low-cost, secure alternative to expensive operating systems like Microsoft Windows. As the Linux market share continues to climb, organizations are scrambling to find network and server administrators with expert Linux knowledge and highly practical skills. The LPI-level 2 certification makes you the professional they need, and LPIC-2 is your ideal guide to getting there.

National State of Good Repair Assessment DIANE Publishing Assesses the level of investment required to bring all of our nation's public transportation (transit) systems into a state of good repair. While the seven agencies included in the 2009 Rail Modernization Study are responsible for a majority of the nation's transit assets, the Study's findings emphasize the need for a more comprehensive understanding of transit reinvestment needs. This 2010 National State of Good Repair Assessment evaluates the level of investment required to bring all U.S. transit assets to a state of good repair. The current national SGR backlog is about \$77.7 billion. An annual average of \$14.4 billion in normal replacement expenditures would be required to keep that backlog from getting larger. Charts and tables.

Private Sector Participation in Light Rail-Light Metro Transit Initiatives World Bank Publications This book aims to help governments and public authorities to establish effective light rail-light metro transit (LRMT) systems, and focuses on use of Public Private Participation (PPP) arrangements. Rather than identify a single approach, we present options and discuss practical issues related to preparing and implementing new LRMT PPP schemes. The approach is focused on providing information that can be used to make informed decisions, adapted to local policy and objectives. The material presented is intended as a practical guide to developing LRMT PPPs in both developed and developing countries. This work endeavors to provide answers to readers' questions regarding how to successfully incorporate private sector participation in LRMT with a lesser emphasis on why LRMT and the private sector may be beneficial. The primary focus of this text is guiding the reader from design through to project implementation. It starts from the premise that underlying transport policy decisions will have already been made and that LRMT has already been identified as the appropriate transport solution. We have included some limited discussion of policy and technical issues where these directly impact the LRMT PPP approach. The approach is presented in nine sections, and in preparing it the author drew on current international LRMT PPP experience, through a series of interviews and case studies. The sections covered are: 1. Urban Transport and Light Rail/Light Metro Transit (LRMT) 2. Selected Technical Aspects 3. Incorporating Private Sector Participation in LRMT Initiatives 4. Understanding and Allocating Risk 5. Specifications, Oversight and Performance Management 6. Funding and finance 7. Developing a PPP Agreement 8. Procurement 9. Conclusions and Recommendations

Interview Questions and Answers How2Become Ltd LPIC-1 Linux Professional Institute Certification Study Guide Exam 101-400 and Exam 102-400 John Wiley & Sons Thorough LPIC-1 exam prep, with complete coverage and bonus study tools LPIC-1 Study Guide is your comprehensive source for the popular Linux Professional Institute Certification Level 1 exam, fully updated to reflect the changes to the latest version of the exam. With 100% coverage of objectives for both LPI 101 and LPI 102, this book provides clear and concise information on all Linux administration topics and practical examples drawn from real-world experience. Authoritative coverage of key exam topics includes GNU and UNIX commands, devices, file systems, file system hierarchy, user interfaces, and much more, providing complete exam prep for the LPIC-1 candidate. Get access to invaluable study tools, including bonus practice exams, electronic flashcards, and a searchable PDF of key terms featured on the exam. Linux is viewed by many companies and organizations as an excellent, low-cost, secure alternative to expensive operating systems, such as Microsoft Windows. The LPIC-1 tests a candidate's understanding and familiarity with the Linux Kernel. This book provides comprehensive preparation and review, helping readers face the exam with confidence. Review the system architecture, Linux installation, and package management Understand shells, scripting, and data management more completely Practice administrative tasks and essential system services Brush up on networking fundamentals and security issues As the Linux server market share continues to grow, so too does the demand for qualified and certified Linux administrators. Certification holders must recertify every five years, but LPI recommends recertifying every two years to stay fully up to date with new technologies and best practices. As exam day approaches, LPIC-1 Study Guide is the one source you will want by your side.

Running Linux A Distribution-Neutral Guide for Servers and Desktops "O'Reilly Media, Inc." You may be contemplating your first Linux installation. Or you may have been using Linux for years and need to know more about adding a network printer or setting up an FTP server. Running Linux, now in its fifth

edition, is the book you'll want on hand in either case. Widely recognized in the Linux community as the ultimate getting-started and problem-solving book, it answers the questions and tackles the configuration issues that frequently plague users, but are seldom addressed in other books. This fifth edition of *Running Linux* is greatly expanded, reflecting the maturity of the operating system and the teeming wealth of software available for it. Hot consumer topics such as audio and video playback applications, groupware functionality, and spam filtering are covered, along with the basics in configuration and management that always have made the book popular. *Running Linux* covers basic communications such as mail, web surfing, and instant messaging, but also delves into the subtleties of network configuration—including dial-up, ADSL, and cable modems—in case you need to set up your network manually. The book can make you proficient on office suites and personal productivity applications—and also tells you what programming tools are available if you're interested in contributing to these applications. Other new topics in the fifth edition include encrypted email and filesystems, advanced shell techniques, and remote login applications. Classic discussions on booting, package management, kernel recompilation, and X configuration have also been updated. The authors of *Running Linux* have anticipated problem areas, selected stable and popular solutions, and provided clear instructions to ensure that you'll have a satisfying experience using Linux. The discussion is direct and complete enough to guide novice users, while still providing the additional information experienced users will need to progress in their mastery of Linux. Whether you're using Linux on a home workstation or maintaining a network server, *Running Linux* will provide expert advice just when you need it.

Introduction to Computer Security Addison-Wesley Professional *Introduction to Computer Security* draws upon Bishop's widely praised *Computer Security: Art and Science*, without the highly complex and mathematical coverage that most undergraduate students would find difficult or unnecessary. The result: the field's most concise, accessible, and useful introduction. Matt Bishop thoroughly introduces fundamental techniques and principles for modeling and analyzing security. Readers learn how to express security requirements, translate requirements into policies, implement mechanisms that enforce policy, and ensure that policies are effective. Along the way, the author explains how failures may be exploited by attackers—and how attacks may be discovered, understood, and countered. Supplements available including slides and solutions.

Data Feminism MIT Press A new way of thinking about data science and data ethics that is informed by the ideas of intersectional feminism. Today, data science is a form of power. It has been used to expose injustice, improve health outcomes, and topple governments. But it has also been used to discriminate, police, and surveil. This potential for good, on the one hand, and harm, on the other, makes it essential to ask: Data science by whom? Data science for whom? Data science with whose interests in mind? The narratives around big data and data science are overwhelmingly white, male, and techno-heroic. In *Data Feminism*, Catherine D'Ignazio and Lauren Klein present a new way of thinking about data science and data ethics—one that is informed by intersectional feminist thought. Illustrating data feminism in action, D'Ignazio and Klein show how challenges to the male/female binary can help challenge other hierarchical (and empirically wrong) classification systems. They explain how, for example, an understanding of emotion can expand our ideas about effective data visualization, and how the concept of invisible labor can expose the significant human efforts required by our automated systems. And they show why the data never, ever “speak for themselves.” *Data Feminism* offers strategies for data scientists seeking to learn how feminism can help them work toward justice, and for feminists who want to focus their efforts on the growing field of data science. But *Data Feminism* is about much more than gender. It is about power, about who has it and who doesn't, and about how those differentials of power can be challenged and changed.

Clinical Problem Solving in Dentistry E-Book Elsevier *Health Sciences* The latest edition of this popular book continues to provide a highly visual step-by-step guide to the practical management of a wide variety of presentations seen in clinical dental practice. Containing over 350 high-quality photographs, line artworks and tables, *Clinical Problem Solving in Dentistry* is written in an easy-to-read 'how to' style and contains a large number of real life clinical cases carefully presented to maximise learning outcomes for the reader. Covering all core aspects of practice, *Clinical Problem Solving in Dentistry*, 3rd edition will be of value to all general dental practitioners, both qualified and in training. More than 350 colour illustrations, artworks and tables present clinical, diagnostic and practical information in an easy-to-follow manner. Designed to help the reader reorganise their knowledge into a clinically useful format. Explores treatment alternatives and evaluates their advantages and disadvantages. Integrates material from all the dental specialties in order to cover the full range of problems which will be seen in practice. Practical approach to the subject makes learning especially easy. Includes ten completely new problems, making the book almost twice as long as the first edition! All the chapters have been completely revised to account for new national guidelines, changes in legislation and advances in treatment. Additional topics include Down's syndrome, bisphosphonate-induced osteonecrosis, headache and child protection.

Botnets The Killer Web Applications Elsevier The book begins with real world cases of botnet attacks to underscore the need for action. Next the book will explain botnet fundamentals using real world examples. These chapters will cover what they are, how they operate, and the environment and technology that makes them possible. The following chapters will analyze botnets for opportunities to detect, track, and remove them. Then the book will describe intelligence gathering efforts and results obtained to date. Public domain tools like OurMon, developed by Jim Binkley of Portland State University, will be described in detail along with discussions of other tools and resources that are useful in the fight against Botnets. This is the first book to explain the newest internet threat - Botnets, zombie armies, bot herders, what is being done, and what you can do to protect your enterprise. Botnets are the most complicated and difficult threat the hacker world has unleashed - read how to protect yourself.

Revenue Equipment Maintainer Career Examination Passbooks The Revenue Equipment Maintainer Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: electronic and electrical theory; electronic and mechanical equipment, and related tools and devices; understanding schematics; workplace safety and first aid; and more.

MARE-WINT New Materials and Reliability in Offshore Wind Turbine Technology Springer This book provides a holistic, interdisciplinary overview of offshore wind energy, and is a must-read for advanced researchers. Topics, from the design and analysis of future turbines, to the decommissioning of wind farms, are covered. The scope of the work ranges from analytical, numerical and experimental advancements in structural and fluid mechanics, to novel developments in risk, safety & reliability engineering for offshore wind. The core objective of the current work is to make offshore wind energy more competitive, by improving the reliability, and operations and maintenance (O&M) strategies of wind turbines. The

research was carried out under the auspices of the EU-funded project, MARE-WINT. The project provided a unique opportunity for a group of researchers to work closely together, undergo multidisciplinary doctoral training, and conduct research in the area of offshore wind energy generation. Contributions from expert, external authors are also included, and the complete work seeks to bridge the gap between research and a rapidly-evolving industry. **Craig's Restorative Dental Materials** Mosby Presenting a comprehensive exploration of restorative dental materials, this book provides the information readers need to know to correctly use dental materials in the clinic and dental laboratory. Ranging from fundamental concepts to advanced skills, it also provides the scientific basis for technical procedures and manipulation of materials. **Linux Network Administrator's Guide** "O'Reilly Media, Inc." This introduction to networking on Linux now covers firewalls, including the use of ipchains and Netfilter, masquerading, and accounting. Other new topics in this second edition include Novell (NCP/IPX) support and INN (news administration). **Programming with POSIX Threads** Addison-Wesley Professional Software -- Operating Systems. **Interborough Rapid Transit The New York Subway, Its Construction and Equipment Semantic Similarity from Natural Language and Ontology Analysis** Morgan & Claypool Publishers Artificial Intelligence federates numerous scientific fields in the aim of developing machines able to assist human operators performing complex treatments---most of which demand high cognitive skills (e.g. learning or decision processes). Central to this quest is to give machines the ability to estimate the likeness or similarity between things in the way human beings estimate the similarity between stimuli. In this context, this book focuses on semantic measures: approaches designed for comparing semantic entities such as units of language, e.g. words, sentences, or concepts and instances defined into knowledge bases. The aim of these measures is to assess the similarity or relatedness of such semantic entities by taking into account their semantics, i.e. their meaning---intuitively, the words tea and coffee, which both refer to stimulating beverage, will be estimated to be more semantically similar than the words toffee (confection) and coffee, despite that the last pair has a higher syntactic similarity. The two state-of-the-art approaches for estimating and quantifying semantic similarities/relatedness of semantic entities are presented in detail: the first one relies on corpora analysis and is based on Natural Language Processing techniques and semantic models while the second is based on more or less formal, computer-readable and workable forms of knowledge such as semantic networks, thesauri or ontologies. Semantic measures are widely used today to compare units of language, concepts, instances or even resources indexed by them (e.g., documents, genes). They are central elements of a large variety of Natural Language Processing applications and knowledge-based treatments, and have therefore naturally been subject to intensive and interdisciplinary research efforts during last decades. Beyond a simple inventory and categorization of existing measures, the aim of this monograph is to convey novices as well as researchers of these domains toward a better understanding of semantic similarity estimation and more generally semantic measures. To this end, we propose an in-depth characterization of existing proposals by discussing their features, the assumptions on which they are based and empirical results regarding their performance in particular applications. By answering these questions and by providing a detailed discussion on the foundations of semantic measures, our aim is to give the reader key knowledge required to: (i) select the more relevant methods according to a particular usage context, (ii) understand the challenges offered to this field of study, (iii) distinguish room of improvements for state-of-the-art approaches and (iv) stimulate creativity toward the development of new approaches. In this aim, several definitions, theoretical and practical details, as well as concrete applications are presented