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Arduino Leonardo and Arduino Micro: A Hands-On Guide for Beginner Combating Plagiarism: A Hands-On Guide for Librarians, Teachers, and Students Problems of Instrumental Analytical Chemistry Making Sense of Medical Ethics: A hands-on guide Making Sense of Disaster Medicine: A Hands-on Guide for Medics The Daily Art of Management: A Hands-On Guide to Effective Leadership and Communication Tinkerlab Variation-Aware Design of Custom Integrated Circuits: A Hands-on Field Guide Beginning Flutter Hands-On Guide to Flash Video Hands-On Guide to Streaming Media Hands-On Guide to Windows Media Hands-On Guide to Webcasting Hands-On Guide to Video Blogging and Podcasting The Hands-on Guide to Practical Paediatrics The Hands-On Guide to School Improvement Making Sense of Fluids and Electrolytes How the World Works How Computers Really Work The Ultimate Sales Training Workshop: A Hands-On Guide for Managers The Hands-on Guide to Clinical Pharmacology The Hands-on Guide to Clinical Pharmacology The Hands-on Guide to Midwifery Placements The Hands-on Guide to Surgical Training The Hands-on Guide for Junior Doctors The Hands-on Guide to the Foundation Programme Hands-on Guide to the Red Hat® Exams: RHCSATM and RHCE® Cert Guide and Lab Manual The Hands-on Guide to Diabetes Care in Hospital The Hands-on Guide to Clinical Reasoning in Medicine Practical Malware Analysis Developing Your Conflict Competence Food Studies Hands-On Study Guide For Exam 70-411 Practical Time Series Forecasting with R Deep Learning with Python Deep Learning Essentials Getting Started With 3D Printing Problems of Instrumental Analytical Chemistry Effective Kafka Database Design for Mere Mortals

This book describes the steps for creating an on-demand and live streaming video in an all-in-one refernce guide for new users and companies that need introduced to the technology. After reading this book, you will understand: - How the Internet works in relation to streaming media - Client/server technology, specifically related to streaming media - Strengths and limits of streaming media, including best uses for the technology - Choices of streaming media content creation tools Make: Getting Started with 3D Printing is a practical, informative, and inspiring book that guides readers step-by-step through understanding how this new technology will empower them to take full advantage of all it has to offer. The book includes fundamental topics such as a short history of 3D printing, the best hardware and software choices for consumers, hands-on tutorial exercises the reader can practice for free at home, and how to apply 3D printing in the readers' life and profession. For every maker or would-be maker who is interested, or is confused, or who wants to get started in 3D printing today, this book offers methodical information that can be read, digested, and put into practice immediately! Practical Time Series Forecasting with R: A Hands-On Guide, Second Edition provides an applied approach to time-series forecasting. Forecasting is an essential component of predictive analytics. The book introduces popular forecasting methods and approaches used in a variety of business applications. The book offers clear explanations, practical examples, and end-of-chapter exercises and cases. Readers will learn to use forecasting methods using the free open-source R software to develop effective forecasting solutions that extract business value from time-series data. Featuring improved organization and new material, the Second Edition also includes: - Popular forecasting methods including smoothing algorithms, regression models, and neural networks - A practical approach to evaluating the performance of forecasting solutions - A business-analytics exposition focused on linking time-series forecasting to business goals - Guided cases for integrating the acquired knowledge using real data* End-of-chapter problems to facilitate active learning - A companion site with data sets, R code, learning resources, and instructor materials (solutions to exercises, case studies) - Globally-available textbook, available in both softcover and Kindle formats Practical Time Series Forecasting with R: A Hands-On Guide, Second Edition is the perfect textbook for upper-undergraduate, graduate and MBA-level courses as well as professional programs in data science and business analytics. The book is also designed for practitioners in the fields of operations research, supply chain management, marketing, economics, finance and management. For more information, visit forecastingbook.com Build your first app in Flutter—no

experience necessary! Beginning Flutter: A Hands-On Guide to App Development is the essential resource for both experienced and novice developers interested in getting started with Flutter—the powerful new mobile software development kit. With Flutter, you can quickly and easily develop beautiful, powerful apps for both Android and iOS, without the need to learn multiple programming languages or juggle more than one code base. This book walks you through the process step by step. In Flutter, you'll be working with Dart, the programming language of choice for top app developers. Even if you're just starting out in your development career, you can learn Dart quickly, eliminating the barrier to entry for building apps. This is a more efficient way to develop and maintain cross-platform mobile apps, and this book makes the process even easier with a teach-by-example approach. Focus on providing quality content by eliminating the need to switch between multiple coding languages Learn the ins and outs of Flutter, including all the frameworks, widgets, and tools available to developers Accelerate your app development pace, keeping all the code for your cross-platform app in a single code base Leapfrog barriers to entry to the mobile software market, creating your first app with no experience necessary The Flutter community is growing rapidly and transforming the way Android and iOS apps get made. Beginning Flutter allows you to get on board with the latest app development technology, giving your mobile development career a big head start. About to start the Foundation Programme? Making the transition from medical school to professional life? The Hands-on Guide to the Foundation Programme, Fifth Edition is a practical guide for medical students and foundation doctors, dealing with the many challenges of the programme. With hints, tips and realistic advice on various aspects of the course, from self-care to prescribing, this guide provides invaluable support, with up-to-date information on postgraduate training and recruitment, practical management skills and career pathways to help build confidence, enabling you to hit the ground running. This edition features newly expanded sections on emergencies, psychiatric evaluation, the Situational Judgement Test, and the common calls and conditions you will encounter on a daily basis. The Hands-on Guide to the Foundation Programme is a perfect companion to assist the junior doctor in preparing for the intellectual and emotional challenges of the foundation years. Take the stress out of the Foundation Programme with The Hands-on Guide! The perfect companion for student midwives in clinical settings, packed full of useful and practical information to help guide and enable you to get the best out of your midwifery placements. This compact, portable text includes what to expect on each type of placement – whether it be working in a low or high risk environment – from how to prepare for practice, what you can anticipate whilst you're there, the key essential skills to acquire, what pitfalls and problems to be aware of, and how to deal with them if they do arise. Each chapter contains 'Top Tips' from current or recently qualified midwifery students, as well as real life student experiences and suggestions for further readings. How do the ocean currents move? What is a carbon footprint? Why does it rain? Readers are invited on a novelty-packed journey of discovery to find out how the earth works. Answering a multitude of questions about how our world works, this fun, engaging book introduces the earth's important cycles and offers an exciting way to learn geography and science. Packed with illustrations and paper fold-outs, flaps, pops, and more to boost interactive learning, How the World Works encourages children to think about the impact of human actions on our environment, while engendering respect for the natural world and all its harmonies. The Hands-On Guide to Flash Video is a professional reference book written by industry experts that are currently helping professionals produce Web video and implement Flash Media Server. This book covers Flash Video production from soup to nuts, beginning with how to configure your camcorder and ending to advanced server techniques like bandwidth detection and FMS logging and reporting. Real word lessons from case studies of successful Flash Video deployments are also included. Supplemental files located at: www.flashvideobook.com By reading this book, you'll learn to: * Shoot high quality video for streaming * Choose the best encoder and encoding techniques for producing Flash Video * Deploy Flash Video via progressive download or via the Flash Media Server. * Create and light a compression friendly set *

Deinterlace and preprocess your video prior to encoding * Choose encoding parameters like data rate, resolution and frame rate * Optimize encoding with Sorenson Squeeze, Flix Pro and the Adobe Flash Video Encoder * Shoot and produce chromakey video for alpha channel delivery * Customize a Flash player via skinning, and use Cue Points for navigation * Setup, install, and maintain Flash Media Server Are you about to start the Foundation Programme? Do you know what to expect and how to thrive? The Hands-on Guide for Junior Doctors, Fourth Edition, is the ultimate, practical guide for junior doctors and medical students. It helps you tackle the emotional, intellectual and physical demands of being a new doctor and allays common insecurities to help you make the most of your time in clinical practice. This book tells you how to prepare for the daily rigours of hospital life, and will help you meet the required standard. It provides advice on getting started in placements, and helps you develop confidence, with tips on what to do as a junior member of the hospital team, and how to deal with common calls and emergencies. There is also an invaluable chapter on how to perform the practical procedures you'll be assessed on. With the Foundation Programme such a demanding process, both physically and emotionally, this book also provides the kind of information you don't get at medical school, for example, how to look after yourself throughout your training. Take the stress out of the Foundation Programme with The Hands-on Guide! A True Beginner's Guide to Deep Learning with Python! This guide contains everyting you need to get started with understanding what deep learning is and how Python can help you solve its challenges! Within this book are sixteen illuminating, self contained chapters which will teach you everything from the ofundations of deep learning to developing a neural netwrok wtih Keras! Along the way you will also learn about: Reducing Dropouts Evaluating Your Model Python for Deep Learning Manipulating Data with Python Activation Functions Applications of Deep Learning An Introduction to Python and much much more! You will find easy to implement information which will get you up and running in no time! So go ahead and get your copy now! PS- Order the paperback and get the ebook absolutely free with Kindle Matchbook! The Ultimate Sales Training Workshop" is an invaluable one-stop training course from selling powerhouse Gerhard Gschwandtner, featuring 15 easy-to-implement workshops on vital sales topics. Traditional food studies textbooks tend to emphasize theoretical concepts and text-based approaches. Yet food is sensory, tactile, and experiential. Food Studies: A Hands-on Guide is the first book to provide a practical introduction to food studies. Offering a unique, innovative approach to learning and teaching, Willa Zhen presents creative hands-on activities that can easily be done in a traditional classroom – without the need for a student kitchen. Major theories and key concepts in food studies are covered in an engaging, tangible way, alongside topics such as food production, consumption, technology, identity and culture, and globalization. A fantastic resource for supporting student engagement and learning, the book features: - practical activities, such as grinding grains to learn about the importance of food technology; working with restaurant menus to understand changes in food trends, tastes, and ingredients; writing food poetry; and many more - pedagogical features such as learning objectives, discussion questions, suggested readings, and a glossary - a companion website offering lesson plans, worksheets, and links to additional resources. This is the perfect introduction for students of food studies, anthropology of food, food geography, food hospitality, sociology of food, food history, and gastronomy. In "Hands-On Guide to Webcasting," industry experts address the fastest-growing application for streaming media - broadcasting live audio and video on the Internet. Used in all industry verticals from corporate to entertainment, this book provides an end-to-end technical overview of the webcasting process. Providing you with step-by-step instructions from audio/video production, encoding and authoring to delivery and business issues, this guide provides both the depth and breadth necessary for mastery of the subject. Thinking about a surgical career? About to start surgical training? Do you know what to expect and how to thrive? The Hands-on Guide to Surgical Training is the ultimate, practical guide for medical students and junior doctors thinking about taking the plunge into surgery, and also for surgical trainees already in training. It's full of invaluable, practical information and career guidance to ensure you get the most out of your surgical career. It offers general guidance and advice on surgical training, together with detailed information on each of the nine surgical subspecialties, each written by seniors and consultants, as you make both clinical and career-based choices. Undoubtedly one of the most comprehensive resources for surgical trainees available, The Hands-on Guide to Surgical Training will be essential reading throughout your training and surgical career. Take the stress out of surgical training with The Hands-on Guide! Arduino Leonardo and Arduino/Genuino Micro are development boards which runs ATmega32U4. This book helps you to get started with Arduino Leonardo and Arduino/Genuino Micro development. Several case samples are provided to accelerate your learning. The following is highlight topics in this books: * Preparing Development Environment * Setting Up Arduino Leonardo and Arduino Micro * Writing and Reading Digital Data * PWM and Analog Input * Working with I2C * Working with SPI * Accessing EEPROM * Arduino Networking * Keyboard and Mouse HID This book targets custom IC designers who are encountering variation issues in their designs, especially for modern process nodes at 45nm and below, such as statistical process variations, environmental variations, and layout effects. It teaches them the state-of-the-art in Variation-Aware Design tools, which help the designer to analyze quickly the variation effects, identify the problems, and fix the problems. Furthermore, this book describes the algorithms and algorithm behavior/performance/limitations, which is of use to designers considering these tools, designers using these tools, CAD researchers, and CAD managers. An approachable, hands-on guide to understanding how computers work, from low-level circuits to high-level code. How Computers Really Work is a hands-on guide to the computing ecosystem: everything from circuits to memory and clock signals, machine code, programming languages, operating systems, and the internet. But you won't just read about these concepts, you'll test your knowledge with exercises, and practice what you learn with 41 optional hands-on projects. Build digital circuits, craft a guessing game, convert decimal numbers to binary, examine virtual memory usage, run your own web server, and more. Explore concepts like how to: Think like a software engineer as you use data to describe a real world concept Use Ohm's and Kirchhoff's laws to analyze an electrical circuit Think like a computer as you practice binary addition and execute a program in your mind, step-by-step The book's projects will have you translate your learning into action, as you: Learn how to use a multimeter to measure resistance, current, and voltage Build a half adder to see how logical operations in hardware can be combined to perform useful functions Write a program in assembly language, then examine the resulting machine code Learn to use a debugger, disassemble code, and hack a program to change its behavior without changing the source code Use a port scanner to see which internet ports your computer has open Run your own server and get a solid crash course on how the web works And since a picture is worth a thousand bytes, chapters are filled with detailed diagrams and illustrations to help clarify technical complexities. Requirements: The projects require a variety of hardware - electronics projects need a breadboard, power supply, and various circuit components; software projects are performed on a Raspberry Pi. Appendix B contains a complete list. Even if you skip the projects, the book's major concepts are clearly presented in the main text. Disaster medicine is a broad and dynamic field that encompasses the medical and surgical response to mass casualty incidents including rail, air, and road traffic accidents; domestic terrorism; and pandemic outbreaks. It also encompasses the global issues of conflict and natural catastrophe. Specialists in disaster medicine provide insight, guidanc Encourage tinkering, curiosity, and creative thinking in children of all ages with these 55 hands-on activities that explore art, science, and more The creator of the highly popular creativity site for kids, Tinkerlab.com, now delivers dozens of engaging, kid-tested, and easy-to-implement projects that will help parents and teachers bring out the natural tinkerer in every kid—even babies, toddlers, and preschoolers. The creative experiments shared in this book foster curiosity, promote creative and critical thinking, and encourage tinkering—mindsets that are important to children growing up in a world that values independent thinking. In addition to offering a host of activities that parents and teachers can put to use right away, this book also includes a buffet of recipes (magic potions, different kinds of play dough, silly putty, and homemade butter) and a detailed list of materials to include in the art pantry. This practical guide helps principals, administrators, and all members of school leadership bring transformational change to struggling and underperforming schools. Based on the wisdom gained during the author's twenty-plus years of experience as a teacher, assistant principal, and principal in Chicago Public Schools, this book focuses on building a school culture of respect and harmony as a foundation for change. Includes advice on how to recruit effective teachers and initiate difficult conversations with struggling staff; make ongoing professional development a priority at your school; and empower teachers to manage their classrooms effectively and deal with challenging issues. Digital content includes customizable forms from the book. The complex field of analytical chemistry requires knowledge and application of the fundamental principles of

numerical calculation. Problems of Instrumental Analytical Chemistry provides support and guidance to help students develop these numerical strategies to generate information from experimental results in an efficient and reliable way. Exercises are provided to give standard protocols to follow which address the most common calculations needed in the daily work of a laboratory. Also included are easy to follow diagrams to facilitate understanding and avoid common errors, making it perfect as a hands-on accompaniment to in-class learning. Subjects covered follow a course in analytical chemistry from the initial basics of data analysis, to applications of mass, UV-Vis, infrared and atomic spectrometry, chromatography, and finally concludes with an overview of nuclear magnetic resonance. Intended as a self-training tool for undergraduates in chemistry, analytic chemistry and related subjects, this book is also useful as a reference for scientists looking to brush up on their knowledge of instrumental techniques in laboratories. Highly Commended at the British Medical Association Book Awards 2016 3 am call: "Mrs X has a blood sugar of 23. Come and deal with it." "I think my insulin pen is called something like Solostar." The respiratory doctors started high dose prednisolone, and the patient's glucose is 18. What is the blood glucose target for this patient admitted with an acute coronary syndrome? Do you struggle with common diabetes problems in hospital practice? The Hands-on Guide to Diabetes Care in Hospital is an ideal companion for ward practitioners, providing answers to these and many other practical diabetes problems, helping you to deliver safe and effective care to patients. Using the best current UK and international guidance, The Hands-on Guide to Diabetes Care in Hospital presents succinct guidance on acute diabetes problems, blood glucose management, acute medical and surgical problems commonly complicated by diabetes and insulin and non-insulin agents, as well as preparing for discharge to the community. With top tips, key points, questions to ask, treatment and follow-up advice in each chapter, this is an essential resource for all medical trainees and students who treat diabetic patients. Ward-based nurses, diabetes specialist nurses and pharmacists will also find a lot that is relevant to their practice. A guide to relational database design covers such topics as setting objectives, establishing table structures, and identifying and establishing business rules. Interpreting the fluid requirements of a patient and working out what to do next can seem like a daunting task for the non-specialist, yet it is a skill that any doctor, nurse or paramedic needs to be fully appraised of and comfortable with. Making Sense of Fluids and Electrolytes has been written specifically with this in mind, and will help the student and more experienced practitioner working across a variety of healthcare settings to understand why fluid imbalance in a patient may occur, to assess quickly a patient's fluid needs through a thorough clinical assessment and to develop an effective management plan. Reflecting the latest guidelines, this practical, easy-to-read and easy-to remember guide will be an invaluable tool to aid speedy and appropriate management in emergency situations, on the ward and in the clinic. Do you want to pass exam 70-411 in one shot, and gain real-life enterprise skills? You have found the right book! I wrote this book while I was preparing for the same exam and passed with this same material! This book also contains a complete guide to build your own lab and practice every exam objective in detail. It is written by a Windows Systems Administrator with over 12 years' experience and focuses on two key goals: 1. Pass exam 70-411 in one shot. 2. Gain real-life enterprise skills to defend your certification. Written with the Microsoft's official 70-411 exam objectives (Including Windows Server 2012 R2), it covers the following objectives assessed in the exam: Chapter 1: Deploy, Manage and Maintain Servers Chapter 2: Configure File and Print Services Chapter 3: Configure Network Services and Access Chapter 4: Configure a Network Policy Server Infrastructure Chapter 5: Configure and Manage Active Directory Chapter 6: Configure and Manage Group Policy Each section begins with short theoretical information about the subject, followed by a step-by-step lab guide. All labs have been fully tested and verified. Exam 70-411 counts as credit toward MCSA and MCSE certifications. Your search stops here. Buy this book now and pass your 70-411 exam in one shot! A practical resource, this book combines tips, checklists, exercises, and stories to outline concrete processes that improve the way leaders, managers, and anyone within an organization responds to conflict. Beginning with a series of questions and self-diagnostics, the authors show you how to: maintain emotional balance in the face of conflict; implement constructive communications techniques; help others deal with conflicts that are causing organization problems; establish norms for handling conflict; use specific approaches for addressing conflict more effectively. "A must-have guidebook for the new age of global business. This book shows every leader how to turn feelings of fear into feelings of safety, suspicion into trust, and competitiveness into collaboration." --Jim Kouzes, coauthor of the best-selling book The Leadership Challenge and Dean's Executive Professor of Leadership, Leavey School of Business, Santa Clara University "Craig Runde and Tim Flanagan use their vast experience to give us Developing Your Conflict Competence. Move beyond negative workplace conflict to positive and constructive outcomes with the simple tools and suggestions in this must-read field guide!" --Marshall Goldsmith, best-selling author of What Got You Here Won't Get You There, Succession: Are You Ready?, and the upcoming MOJO "I've read the authors' first two books, Becoming a Conflict Competent Leader and Building Conflict Competent Teams. Their latest book pulls it all together by providing models, examples, and thought-provoking insight. It will be required reading for my senior management team." -- Deborah Jallad, president/chairman, Accredited Surety and Casualty Company, Inc. "This book was written as a lab guide to help individuals pass the RHCSA (EX200) and RHCE (EX300) exams"--Preface. The practice of clinical medicine is inextricably linked with the need for moral values and ethical principles. The study of medical ethics is, therefore, rightly assuming an increasingly significant place in undergraduate and postgraduate medical courses and in allied health curricula.Making Sense of Medical Ethics offers a no-nonsense introductio For all of your video and audio blogging business and professional communication needs, this book is it! The Hands-on Guide to Video Blogging and Podcasting provides tremendous value to those content publishers, big and small, that want to create syndicated video blog and podcast content. The simplified, plain talking break-down the authors bring to the book will give everyone the tools to plan, create, and execute a blog/podcast outlet. This book explains these emerging media tools from a professional perspective. Quickly learn the technical aspects of video blogging and podcasting along with their business and financial ramifications. The complex field of analytical chemistry requires knowledge and application of the fundamental principles of numerical calculation. Problems of Instrumental Analytical Chemistry provides support and guidance to help students develop these numerical strategies to generate information from experimental results in an efficient and reliable way. Exercises are provided to give standard protocols to follow which address the most common calculations needed in the daily work of a laboratory. Also included are easy to follow diagrams to facilitate understanding and avoid common errors, making it perfect as a hands-on accompaniment to in-class learning. Subjects covered follow a course in analytical chemistry from the initial basics of data analysis, to applications of mass, UV-Vis, infrared and atomic spectrometry, chromatography, and finally concludes with an overview of nuclear magnetic resonance. Intended as a self-training tool for undergraduates in chemistry, analytic chemistry and related subjects, this book is also useful as a reference for scientists looking to brush up on their knowledge of instrumental techniques in laboratories. Request Inspection Copy The software architecture landscape has evolved dramatically over the past decade. Microservices have displaced monoliths. Data and applications are increasingly becoming distributed and decentralised. But composing disparate systems is a hard problem. More recently, software practitioners have been rapidly converging on event-driven architecture as a sustainable way of dealing with complexity - integrating systems without increasing their coupling.In Effective Kafka, Emil Koutanov explores the fundamentals of Event-Driven Architecture - using Apache Kafka - the world's most popular and supported open-source event streaming platform.You'll learn: - The fundamentals of event-driven architecture and event streaming platforms- The background and rationale behind Apache Kafka, its numerous potential uses and applications- The architecture and core concepts - the underlying software components, partitioning and parallelism, load-balancing, record ordering and consistency modes- Installation of Kafka and related tooling - using standalone deployments, clusters, and containerised deployments with Docker- Using CLI tools to interact with and administer Kafka classes, as well as publishing data and browsing topics- Using third-party web-based tools for monitoring a cluster and gaining insights into the event streams- Building stream processing applications in Java 11 using off-the-shelf client libraries- Patterns and best-practice for organising the application architecture, with emphasis on maintainability and testability of the resulting code- The numerous gotchas that lurk in Kafka's client and broker configuration, and how to counter them- Theoretical background on distributed and concurrent computing, exploring factors affecting their liveness and safety- Best-practices for running multi-tenanted clusters across diverse engineering teams, how teams collaborate to build complex systems at scale and equitably share the cluster with the aid of quotas- Operational aspects of running Kafka clusters at scale,

performance tuning and methods for optimising network and storage utilisation- All aspects of Kafka security -including network segregation, encryption, certificates, authentication and authorization.The coverage is progressively delivered and carefully aimed at giving you a journey-like experience into becoming proficient with Apache Kafka and Event-Driven Architecture. The goal is to get you designing and building applications. And by the conclusion of this book, you will be a confident practitioner and a Kafka evangelist within your organisation - wielding the knowledge necessary to teach others. Effective managers matter to an organization. After all, they translate strategy into action and motivate the people they lead. But managers are sometimes less than effective, ending up in positions of authority and responsibility due to technical competence, company growth, or serendipity. Unprepared, they often lack key skills. Or, like so many managers promoted due to stellar job performance, they may have trouble understanding and motivating other people. Managers thrust into roles of authority need grounding in the fundamentals of management. And that's exactly what management experts Peg Thoms and Jim Fairbank deliver: The Daily Art of Management is the mentor at a manager's shoulder, full of excellent advice and encouragement. Most advice to managers consists of general prescriptions: Be inspiring, Drive innovation, or Beat the competition through crisp execution. Great, but how? It's not easy doing any of these things. This book, which draws on the experience of Thoms and Fairbank as well as their research on management behavior, closes the gap between the idealized leader and reality—the gap between book learning and street smarts. It shows managers and aspiring leaders at all levels of the organization how to master ten key roles and practice them on a daily basis. Examples and practical guidelines reinforce the concepts and serve as a handy resource for anyone interested in the art and science of effective management. In this book, managers will learn how to: -Set goals -Create an ethical environment -Create a vision -Select and motivate followers -Manage change -Handle competitors . . . and other critical skills effective managers employ to get the job done with style. The Daily Art of Management covers the issues managers face every day—but for which they are rarely trained. Hands-On Guide to Windows Media is a practical guide that teaches how to distribute audio and video efficiently and effectively over computer networks. This book enables you to get up and running quickly and focuses on one of the most popular tools in the streaming media universe, Windows Media. This book will help you to understand the unique characteristics and demands of streaming audio and video information over packet-switched networks. Ideal even for non-technical readers. The Hands-on Guide to Clinical Reasoning in Medicine is the perfect companion to your time on clinical placements, providing an easy-to-read, highly visual guide to help develop your clinical decision making skills, and transfer your knowledge into practice. Packed full of useful tips, key boxes, exercises and summaries that are designed to help you apply the knowledge gained in clinical practice. Divided into the common clinical placements that you would find yourself in: Respiratory, Cardiovascular, Neurology, Geriatrics, Gastroenterology, Nephrology, Endocrinology and Rheumatology, each chapter covers the diagnosis of common clinical conditions, as well as decision-making in their investigation and management. Written for medical students in their clinical years, as well as new doctors and advanced nurse practitioners, The Hands-on Guide to Clinical Reasoning in Medicine provides students with an accessible resource for honing their clinical reasoning skills. Take the stress out of clinical decision making with The Hands-on Guide! Offers an instructional plan for plagiarism education for middle school and high school students, allowing librarians to become a resource for students, teachers, and school administrators. • Helps librarians to feel confident in their professional positions as plagiarism experts on campus • Teaches librarians how to help students who have already plagiarized • Provides opportunities for librarians to collaborate with teachers and writing centers through plagiarism education • Acts as a reference guide with all types of questions to ask students about plagiarism during the research process • Creates an important framework for the ethical and appropriate use of information in schools Malware analysis is big business, and attacks can cost a company dearly. When malware breaches your defenses, you need to act quickly to cure current infections and prevent future ones from occurring. For those who want to stay ahead of the latest malware, Practical Malware Analysis will teach you the tools and techniques used by professional analysts. With this book as your guide, you'll be able to safely analyze, debug, and disassemble any malicious software that comes your way. You'll learn how to: –Set up a safe virtual environment to analyze malware –Quickly extract network signatures and host-based indicators –Use key analysis tools like IDA Pro, OllyDbg, and WinDbg –Overcome malware tricks like obfuscation, anti-disassembly, anti-debugging, and anti-virtual machine techniques –Use your newfound knowledge of Windows internals for malware analysis –Develop a methodology for unpacking malware and get practical experience with five of the most popular packers –Analyze special cases of malware with shellcode, C++, and 64-bit code Hands-on labs throughout the book challenge you to practice and synthesize your skills as you dissect real malware samples, and pages of detailed dissections offer an over-the-shoulder look at how the pros do it. You'll learn how to crack open malware to see how it really works, determine what damage it has done, thoroughly clean your network, and ensure that the malware never comes back. Malware analysis is a cat-and-mouse game with rules that are constantly changing, so make sure you have the fundamentals. Whether you're tasked with securing one network or a thousand networks, or you're making a living as a malware analyst, you'll find what you need to succeed in Practical Malware Analysis. Get to grips with the essentials of deep learning by leveraging the power of Python Key Features Your one-stop solution to get started with the essentials of deep learning and neural network modeling Train different kinds of neural networks to tackle various problems in Natural Language Processing, computer vision, speech recognition, and more Covers popular Python libraries such as Tensorflow, Keras, and more, along with tips on training, deploying and optimizing your deep learning models in the best possible manner Book Description Deep Learning a trending topic in the field of Artificial Intelligence today and can be considered to be an advanced form of machine learning, which is quite tricky to master. This book will help you take your first steps in training efficient deep learning models and applying them in various practical scenarios. You will model, train, and deploy different kinds of neural networks such as Convolutional Neural Network, Recurrent Neural Network, and will see some of their applications in real-world domains including computer vision, natural language processing, speech recognition, and so on. You will build practical projects such as chatbots, implement reinforcement learning to build smart games, and develop expert systems for image captioning and processing. Popular Python library such as TensorFlow is used in this book to build the models. This book also covers solutions for different problems you might come across while training models, such as noisy datasets, small datasets, and more. This book does not assume any prior knowledge of deep learning. By the end of this book, you will have a firm understanding of the basics of deep learning and neural network modeling, along with their practical applications. What you will learn Get to grips with the core concepts of deep learning and neural networks Set up deep learning library such as TensorFlow Fine-tune your deep learning models for NLP and Computer Vision applications Unify different information sources, such as images, text, and speech through deep learning Optimize and fine-tune your deep learning models for better performance Train a deep reinforcement learning model that plays a game better than humans Learn how to make your models get the best out of your GPU or CPU Who this book is for Aspiring data scientists and machine learning experts who have limited or no exposure to deep learning will find this book to be very useful. If you are looking for a resource that gets you up and running with the fundamentals of deep learning and neural networks, this book is for you. As the models in the book are trained using the popular Python-based libraries such as Tensorflow and Keras, it would be useful to have sound programming knowledge of Python. Are you about to sit your pharmacology exams? Do you lack confidence in prescribing? Would it help to have a quick reference, pocket-sized reassurance on common drugs and the conditions that they are used in? The Hands-on Guide to Clinical Pharmacology is the perfect companion for students, doctors, nurses, pharmacists and other health care professionals who need help on the ward or are preparing for exams. It includes sections containing both treatment regimens of common conditions and detailed information on the relevant drugs that help you obtain a better understanding of therapeutic management. The benefits include: A-Z of over 100 key drugs in a one-drug-per-page format A systems-based approach Fully indexed text Clear explanations of drug mechanisms - a regular feature of pharmacology exams Management guidelines for common conditions within each system Brand new two-colour design to help with information retrieval A new chapter on chemotherapy agents Take the stress out of clinical pharmacology with The Hands-on Guide! Winner of the Paediatrics category at the BMA Book Awards 2015 About to start a paediatrics rotation? Working with children for the first time? Thinking about a career in paediatrics? The Hands-on Guide to Practical Paediatrics is the ultimate practical guide for medical students encountering paediatrics for the first time, junior doctors thinking about working with

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