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Innovations in Computational Intelligence and Computer

Vision Satyabrata Roy 2022-05-14 This book presents high-quality, peer-reviewed papers from the International Conference on "Innovations in Computational Intelligence and Computer Vision (ICICV 2021)," hosted by Manipal University Jaipur, Rajasthan, India, on August 5-6, 2021. Offering a collection of innovative ideas from researchers, scientists, academics, industry professionals and students, the book covers a variety of topics, such as artificial intelligence and computer vision, image processing and video analysis, applications and services of artificial intelligence and computer vision, interdisciplinary areas combining artificial intelligence and computer vision, and other innovative practices.

Fixed Income Securities Bruce Tuckman 2022-09-07 Build or brush up on the foundation you need to be a sophisticated fixed income professional with this proven book *Fixed Income Securities: Tools for Today's Markets* has been a valued resource for practitioners and students for over 25 years. Clearly written, and drawing on a myriad of real market examples, it presents an overview of fixed income markets; explains the conceptual frameworks and quantitative tool kits used in the industry for pricing and hedging; and examines a wide range of fixed income instruments and markets, including: government bonds; interest rate swaps; repurchase agreements; interest rate futures; note and bond futures; bond options and swaptions; corporate bonds; credit default swaps; and mortgages and mortgage-backed securities. Appearing a decade after its predecessor, this long-awaited Fourth Edition is comprehensively revised with: An up-to-date overview, including low and negative rates; monetary policy with abundant reserves; and the increasing electrification of markets All new examples, applications, and case studies, including lessons from market upheavals through the pandemic New material on fixed income asset management The global transition from LIBOR to SOFR and other rates

Ethical Hacker's Penetration Testing Guide Samir Kumar Rakshit 2022-05-23 Discover security posture, vulnerabilities, and blind spots ahead of the threat actor KEY FEATURES ● Includes illustrations and real-world examples of pentesting web applications, REST APIs, thick clients, mobile applications, and wireless networks. ● Covers numerous techniques such as Fuzzing (FFuF), Dynamic Scanning, Secure Code Review, and bypass testing. ● Practical application of Nmap, Metasploit, SQLmap, OWASP ZAP, Wireshark, and Kali Linux. DESCRIPTION The 'Ethical Hacker's Penetration Testing Guide' is a hands-on guide that will take you from the fundamentals of pen testing to advanced security testing techniques. This book extensively uses popular pen testing tools such as Nmap, Burp Suite, Metasploit, SQLmap, OWASP ZAP, and Kali Linux. A detailed analysis of pentesting strategies for discovering OWASP top 10 vulnerabilities, such as cross-site scripting (XSS), SQL Injection, XXE, file upload vulnerabilities, etc., are explained. It provides a hands-on demonstration of pentest approaches for thick client applications, mobile applications (Android), network services, and wireless networks. Other techniques such as Fuzzing, Dynamic Scanning (DAST), and so on are also demonstrated. Security logging, harmful activity monitoring, and pentesting for sensitive data are also included in the book. The book also covers web security automation with the help of writing effective python scripts. Through a series of live demonstrations and real-world use cases, you will learn how to break applications to expose security flaws, detect the vulnerability, and exploit it appropriately. Throughout the book, you will learn how to identify security risks, as well as a few modern cybersecurity approaches and popular pentesting tools. WHAT YOU WILL LEARN ● Expose the OWASP top ten

vulnerabilities, fuzzing, and dynamic scanning. ● Get well versed with various pentesting tools for web, mobile, and wireless pentesting. ● Investigate hidden vulnerabilities to safeguard critical data and application components. ● Implement security logging, application monitoring, and secure coding. ● Learn about various protocols, pentesting tools, and ethical hacking methods. WHO THIS BOOK IS FOR This book is intended for pen testers, ethical hackers, security analysts, cyber professionals, security consultants, and anybody interested in learning about penetration testing, tools, and methodologies. Knowing concepts of penetration testing is preferable but not required. TABLE OF CONTENTS 1. Overview of Web and Related Technologies and Understanding the Application 2. Web Penetration Testing- Through Code Review 3. Web Penetration Testing- Injection Attacks 4. Fuzzing, Dynamic scanning of REST API and Web Application 5. Web Penetration Testing- Unvalidated Redirects/Forwards, SSRF 6. Pentesting for Authentication, Authorization Bypass, and Business Logic Flaws 7. Pentesting for Sensitive Data, Vulnerable Components, Security Monitoring 8. Exploiting File Upload Functionality and XXE Attack 9. Web Penetration Testing: Thick Client 10. Introduction to Network Pentesting 11. Introduction to Wireless Pentesting 12. Penetration Testing-Mobile App 13. Security Automation for Web Pentest 14. Setting up Pentest Lab

Blended Smoothies Sita Pendurthi 2021-03-26 *Blended Smoothies* is a quick start guide to get the fastest results you want. Make a change in diet, lose weight and get healthy. This is a real program made with natural ingredients that are backed by solid nutritional science. These proven meal-replacement smoothie recipes will work with real people. It is easy and possible. Eating behaviour is dictated by a complex interaction between physiology, environment, psychology, culture, socio-economic factors and genetics that are not fully understood. This book provides an overview of a behavioural lifestyle intervention for obesity management along with an energy- and fat-restricted diet and a physical activity prescription that ranges from moderate to vigorous intensity. The main objective of this edition is to focus on macronutrient composition, meal replacements, and more novel dietary approaches such as reducing dietary variety and energy density to help weight loss. Meal replacement dietary prescription is a portion-controlled recipe in a liquid or a solid form. Regardless of the form, meal replacements are a successful tool to promote weight loss. It is considered to be a partial meal replacement prescription because a meal replacement is used for two meals and one meal includes conventional foods as determined by the self. Diets using meal replacements have been used to increase dietary adherence to an energy restricted low-fat diet. One challenge in adherence to any dietary prescription is consuming foods of appropriate portion size to meet the prescribed dietary goals, as weighing and measuring all foods and beverages consumed is burdensome to participants. Here in this book, I have taken utmost care in using meal replacements and assisting with portion control which may increase success at reducing intake to assist in weight loss. Besides, assisting in portion control meal replacements may aid in reducing energy intake by increasing the structure of the diet and enhance the ease of pre-planning meals and snacks - an important behavioural strategy. Followers of this prescription will find significant improvements in physical functioning, general health, vitality, mental health as well as an increased cognitive restraint of eating, reduced disinhibition and reduced hunger with no serious adverse events. Review: I found this wellness diet recipe compilation hugely informative. As a doctor who has been battling weight issues for decades I have tried every diet I could. Finally I realized that it is only a long term sustainable lifestyle modification that works. Substituting a healthy smoothie for a meal is

definitely very doable long term for anyone whether a busy professional or work from home adult or teenager. This book guides us from how to choose ingredients to how to blend them and then serve it. Really looking forward to trying these scrumptious blends AND getting healthy. - Dr. Sharon Krishna Rao, Therapeutic Endoscopist, Billroth Hospital, Chennai

Mansions of the Moon: A Lunar Zodiac for Astrology and Magic 2nd Edition with 2019-2033 Mansion Ephemeris
Christopher Warnock

Timor-Leste: 2021 Article IV Consultation-Press Release; Staff Report; and Statement by the Executive Director for Timor-Leste International Monetary 2021-07-14

Although Timor-Leste has made considerable progress in many areas since its independence in 2002, it faces significant medium-term challenges. The nation has pressing development needs, young institutions, and is highly dependent on oil. Oil revenues from active fields, which have been the main source of funding for government spending, are drying up. The non-oil private sector economy remains underdeveloped and lack of good jobs and high youth unemployment are serious concerns. Oracle 19c AutoUpgrade Best Practices Sambaiah Sammeta 2021-11-30 Master Oracle's AutoUpgrade tool effectively to upgrade Oracle databases from lower versions to 19c. KEY FEATURES ● In-depth practical demonstration of Oracle database upgrades with various real-time scenarios. ● Step-by-step illustration of each Oracle database upgrade and downgrade method. ● Fastest ever multiple Oracle databases upgrade. DESCRIPTION 'Oracle 19c AutoUpgrade Best Practices' is a simple cookbook for database professionals to upgrade from lower versions to 19c or downgrade from 19c to lower versions This book is dedicated solely to demonstrate upgrading Oracle Databases to 19c by using AutoUpgrade tool. It has a very good explanation about different AutoUpgrade processing modes (Analyze, Fixup, Deploy, and Upgrade) and various stages that the AutoUpgrade job runs while performing database upgrade. Multiple chapters in this book covers various scenarios with detailed steps for upgrading Oracle database from versions 11g/12c/18c to version 19c and Downgrading from 19c to 11g/12c/18c. By the end of this book, every Oracle DBA can gain real-time experience and become a master in upgrading and downgrading oracle databases (Standalone, RAC, Standby) using AutoUpgrade Utility. WHAT YOU WILL LEARN ● Learn to use the Oracle database upgrade tool AutoUpgrade for various DB challenges. ● Understand how to convert a non-container database to a 19c pluggable database. ● Get to know how to upgrade multiple databases of different versions to 19c in a single operation. WHO THIS BOOK IS FOR This book is intended for Oracle DBA students, Database administrators, Database Architects and anyone else who want to improve their database upgrade or downgrade skills in a concise and understandable manner. TABLE OF CONTENTS 1. Introduction to DB Upgrades 2. Upgrading Oracle Database from 11.2.0.4 to 19.9.0 Using dbupgrade (Manual) 3. Upgrading Oracle Database from 11.2.0.4 to 19.9.0 (Using AutoUpgrade) 4. Upgrading and Converting 12c non-CDB as 19c PDB 5. Upgrading Oracle Multitenant Database from 12c/18c to 19c 6. Upgrading and Converting 12c non-CDB as 19c PDB (using AutoUpgrade) 7. Upgrading Multiple Database Versions (11g/12c/18c) to 19c Using the Single AutoUpgrade Command

Vital Statistics of the United States 2022 Shana Hertz Hattis 2022-07-30 Vital Statistics of the United States: Births, Life Expectancy, Deaths, and Selected Health Data brings together a comprehensive collection of birth, mortality, health, and marriage and divorce data into a single volume. It provides a wealth of information compiled by the National Center for Health Statistics and other government agencies. Vital Statistics contains over 225 tables and is divided into four parts: Births, Mortality, Health, and Marriage and Divorce. Charts and graphs, available at applicable points in each chapter, illustrate some of the most vital trends in the data. In addition, updated definitions reflect the latest federal parameters for information about births, mortality, health, and marriages. New COVID-19 data is woven into each section where appropriate. Some of the new tables include data on pregnant women with COVID-19, historical daily case trends, and demographic characteristics of people receiving the vaccine.

Proceedings of the IV Workshop on Disruptive Information and Communication Technologies for Innovation and

Digital Transformation Carlos Ramos 2022-04-15 Descripción / Resumen (Español / Castellano): El intercambio de ideas entre científicos y técnicos, tanto del ámbito académico como empresarial, es fundamental para facilitar el desarrollo de sistemas que puedan satisfacer las demandas de la sociedad actual. La transferencia de tecnología en este campo sigue siendo un reto y, por ello, este tipo de aportaciones se consideran de forma destacada en esta recopilación. Este libro trae debates y publicaciones sobre el desarrollo de técnicas innovadoras de problemas complejos de IoT. El programa técnico se centra tanto en la alta calidad como en la diversidad, con contribuciones en áreas de investigación bien establecidas y en evolución. Específicamente, 10 capítulos fueron presentados a este libro. Los editores alentaron y agradecieron particularmente las contribuciones sobre IA y computación distribuida en aplicaciones de IoT. Los editores agradecen especialmente el apoyo financiero del proyecto "Virtual-Ledgers-Tecnologías DLT/Blockchain y Cripto-IOT sobre organizaciones virtuales de agentes ligeros y su aplicación en la eficiencia en el transporte de última milla", ID SA267P18, financiado por Junta de Castilla y León y fondos FEDER. Descripción / Resumen (Inglés): The exchange of ideas between scientists and technicians, from both academic and business areas, is essential in order to ease the development of systems which can meet the demands of today's society. Technology transfer in this field is still a challenge and, for that reason, this type of contributions are notably considered in this compilation. This book brings in discussions and publications concerning the development of innovative techniques of IoT complex problems. The technical program focuses both on high quality and diversity, with contributions in well-established and evolving areas of research. Specifically, 10 chapters were submitted to this book. The editors particularly encouraged and welcomed contributions on AI and distributed computing in IoT applications. The editors are specially grateful for the funding supporting by the project "Virtual-Ledgers-Tecnologías DLT/Blockchain y Cripto-IOT sobre organizaciones virtuales de agentes ligeros y su aplicación en la eficiencia en el transporte de última milla", ID SA267P18, financed by regional government of Castilla y León and FEDER funds.

Authoritative Democracies Bill K. Koul 2022-07-22 This book comments on growing authoritarianism in democracy and suggests how it ought to be instead. It asks if some degree of authoritarianism is the need of the hour to address potentially existential issues facing the human race. Readers are encouraged to analyse the state of democracy in their own countries and verify if it meets their expectations, or if it is just a myth or an imposter, or a necessary but imperfect compulsion in the absence of a perfect alternative. The book presents a commentary on the state of democracy in some of the world's leading democracies. It aims to challenge the human mind, which seems to be getting accustomed to not having to think, thanks to a constant bombardment of information-real and fake and in-between-that it receives through social and print media, which is freely accessible through smartphone to which it has become addicted. It discusses how the drivers of capitalism - through their business-like connections with powerful and influential politicians and celebrities-could be cleverly manipulating the gullible human mind and exploiting the system to their own material benefit.

Environmental, Social and Governance (ESG) Laws, Regulations and Practices in the Digital Era Peter Yeoh 2022-01-13 In the past two decades, the traditional role of corporate governance has been greatly augmented and transformed by increased attention to the importance of social inclusion in business decisions and of environmental impacts of business activities, giving rise to the now well-understood linkage among environmental, social, and governance (ESG) principles. This book is the first to thoroughly analyze the ESG phenomenon as a tripartite corporate purpose model and the profusion of laws and regulations it continues to engender. Drawing on perspectives from law, economics, and business management, the book focuses on those ESG challenges that are most likely to impact companies in the coming years. The author discusses such aspects of ESG law, regulation, and practice as the following: impact of digitalization on ESG practices; competing ESG perspectives and whether there are signs of convergence

toward a more universal model; impact of corporate ownership patterns; review of hard and soft law responses; corporate control under COVID-19 pandemic conditions; workplace and workforce transformations; various ESG-related corporate scandals and controversies; ESG regulatory responses from international entities such as the Organisation for Economic Co-operation and Development (OECD) and International Organization of Securities Commissions (IOSCO); and seminal ESG cases in various business sectors. The emphasis throughout is on developments in the European Union, the United States, and the United Kingdom, both because it is in those jurisdictions that ESG challenges have been and are most fully dealt with and because these economies taken together are likely to continue exerting dominating influence across the world. What this book says about ESG provides pertinent insights and guidance for those seeking a better understanding of ESG practices and underlying theories across major economies. With essential information and guidance for ESG law practitioners, policymakers, and academicians, the book gives clarity and guidance as to who should lead the charge for ESG practices in business enterprises in major jurisdictional settings. Its detailed coverage of best ESG practices will be welcomed by those conducting their business enterprises within approved regulatory perimeters.

2020-2021 High School Senior College & Career Workbook

Donavan Thomas 2020-03-17 The 2020 - 2021 High School Senior College & Career Workbook was designed to help high school seniors manage their busy schedule efficiently, provide a guide to navigate their way through the process of applying for college and to create a plan they can implement successfully after high school, if they do not plan to go to college. By using the HS Senior Workbook students will be able to balance their schoolwork, extracurricular activities at school, chores at home and any part-time job they have. Students who have work experience or who have experience volunteering are encouraged to use the Student Career Guide. The Student Career Guide provides students with an example on how to organize their work experience and volunteer experience into a resume. It also has examples of how to write a cover letter and a thank you letter, which are valuable to have when interviewing for a job. Students should discuss their plan for college and their career goal with their parents and school Guidance Counselors.

2020 - 2021 Middle School Weekly Goal Setting Planner
Donavan Thomas

EIB Working Paper 2021/05 - The Impact of Bank Loan Terms on Intangible Investment in Europe

Atanas Kolevy 2021 Using EIBIS data, this paper investigates the effects of different loan conditions on firms' propensity to invest in intangible assets. When firms face restriction in how much they can borrow, this has a strong effect on how much they invest in intangible assets. Using European firm-level data from the EIB Investment Survey, this paper shows that, by contrast, unfavourable interest rates, maturity and collateral requirements have no significant effects on the probability to invest in intangible assets, provided firms are satisfied with their loan size. These terms however, do have a negative impact on the probability to invest in multiple intangible assets, undermining the ability of firms to benefit from the complementarities of these assets. The paper documents the effect of loan conditions on investment intensity, as well. The effect of quantity rationing on the amount invested in intangible assets is found to be limited. Other loan conditions however, like cost, maturity and collateral requirements, have significant effect on investment intensity.

Shape Jordan Ellenberg 2021-05-25 An instant New York Times Bestseller! "Unreasonably entertaining . . . reveals how geometric thinking can allow for everything from fairer American elections to better pandemic planning." -The New York Times From the New York Times bestselling author of *How Not to Be Wrong*—himself a world-class geometer—a far-ranging exploration of the power of geometry, which turns out to help us think better about practically everything. How should a democracy choose its representatives? How can you stop a pandemic from sweeping the world? How do computers learn to play Go, and why is learning Go so much easier for them than learning to read a sentence? Can ancient Greek proportions predict the stock market? (Sorry, no.) What

should your kids learn in school if they really want to learn to think? All these are questions about geometry. For real. If you're like most people, geometry is a sterile and dimly remembered exercise you gladly left behind in the dust of ninth grade, along with your braces and active romantic interest in pop singers. If you recall any of it, it's plodding through a series of miniscule steps only to prove some fact about triangles that was obvious to you in the first place. That's not geometry. Okay, it is geometry, but only a tiny part, which has as much to do with geometry in all its flush modern richness as conjugating a verb has to do with a great novel. Shape reveals the geometry underneath some of the most important scientific, political, and philosophical problems we face. Geometry asks: Where are things? Which things are near each other? How can you get from one thing to another thing? Those are important questions. The word "geometry" comes from the Greek for "measuring the world." If anything, that's an undersell. Geometry doesn't just measure the world—it explains it. Shape shows us how.

Why Startups Fail Tom Eisenmann 2021-03-30 If you want your startup to succeed, you need to understand why startups fail. "Whether you're a first-time founder or looking to bring innovation into a corporate environment, *Why Startups Fail* is essential reading."—Eric Ries, founder and CEO, LTSE, and New York Times bestselling author of *The Lean Startup* and *The Startup Way* Why do startups fail? That question caught Harvard Business School professor Tom Eisenmann by surprise when he realized he couldn't answer it. So he launched a multiyear research project to find out. In *Why Startups Fail*, Eisenmann reveals his findings: six distinct patterns that account for the vast majority of startup failures. • Bad Bedfellows. Startup success is thought to rest largely on the founder's talents and instincts. But the wrong team, investors, or partners can sink a venture just as quickly. • False Starts. In following the oft-cited advice to "fail fast" and to "launch before you're ready," founders risk wasting time and capital on the wrong solutions. • False Promises. Success with early adopters can be misleading and give founders unwarranted confidence to expand. • Speed Traps. Despite the pressure to "get big fast," hypergrowth can spell disaster for even the most promising ventures. • Help Wanted. Rapidly scaling startups need lots of capital and talent, but they can make mistakes that leave them suddenly in short supply of both. • Cascading Miracles. Silicon Valley exhorts entrepreneurs to dream big. But the bigger the vision, the more things that can go wrong. Drawing on fascinating stories of ventures that failed to fulfill their early promise—from a home-furnishings retailer to a concierge dog-walking service, from a dating app to the inventor of a sophisticated social robot, from a fashion brand to a startup deploying a vast network of charging stations for electric vehicles—Eisenmann offers frameworks for detecting when a venture is vulnerable to these patterns, along with a wealth of strategies and tactics for avoiding them. A must-read for founders at any stage of their entrepreneurial journey, *Why Startups Fail* is not merely a guide to preventing failure but also a roadmap charting the path to startup success.

Docker: Up & Running Sean P. Kane 2018-09-07 Docker is rapidly changing the way organizations deploy software at scale. However, understanding how Linux containers fit into your workflow—and getting the integration details right—is not a trivial task. With the updated edition of this practical guide, you'll learn how to use Docker to package your applications with all of their dependencies and then test, ship, scale, and support your containers in production. This edition includes significant updates to the examples and explanations that reflect the substantial changes that have occurred over the past couple of years. Sean Kane and Karl Matthias have added a complete chapter on Docker Compose, deeper coverage of Docker Swarm mode, introductions to both Kubernetes and AWS Fargate, examples on how to optimize your Docker images, and much more. Learn how Docker simplifies dependency management and deployment workflow for your applications Start working with Docker images, containers, and command line tools Use practical techniques to deploy and test Docker containers in production Debug containers by understanding their composition and internal processes Deploy production containers at scale inside your data center or cloud environment Explore advanced Docker

