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Modern Pentathlon at the Olympic Games Tokyo 2020 Union internationale de pentathlon moderne 2021 This publication from the UIPM World Pentathlon provides all the information linked to the history of pentathlon, the competition format for Tokyo 2020 and the athletes selected for the Tokyo 2020 Olympic Games.
A President's Daily Brief: Years 1-4 Micah Fisher-Kirshner

What was daily life under the Trump presidency really like?

An accessible ebook with short, thematic entries showing the corruption of the entire Trump presidency, *A President’s Daily Brief, Year 1-4: The Day-by-Day Lurch of Trump’s Norm-Breaking Presidency* is the full volume of Micah Fisher-Kirshner’s series, representing the four years of Trump’s time in power and the subversion that occurred. More than a compiled list of significant events that portray Trump as the most corrupt American president, this digestible and scannable read of in-the-moment posts pulled from news outlets and credible sources provides an intimate look at how the administration went about breaking the presidential norms on a daily basis. Readers also will have access to citations to fact-check claims.

This quick read on a Trump presidency that started off with outrage and graduated to righteous indignation is a must-have for those who enjoy history, politics, and government or simply want to read about the most notorious presidency in history.

Advances in Managing Energy and Climate Risks Stéphane Goutte 2021-04-21 This book presents research related to energy and environmental technologies in the context of market liberalization and global warming. It focuses on the development and efficient use of alternative energy sources, implementation of sustainable energy policies, power generation, and energy finance. Advances in Managing Energy and Climate Risks provides readers with the necessary information to use energy sources more efficiently, discover cleaner energy sources and their applications, and urge consumers and producers to make changes to reach a carbon-neutral economy through financial, technological, regulatory and tax incentives.
Futuristic Trends in Network and Communication Technologies Pradeep Kumar Singh 2021-03-30 This two-wolume set (CCIS 1395-1396) constitutes the refereed proceedings of the Third International Conference on Futuristic Trends in Network and Communication Technologies, FTNCT 2020, held in Taganrog, Russia, in October 2020. The 80 revised full papers presented were carefully reviewed and selected from 291 submissions. The prime aim of the conference is to invite researchers from different domains of network and communication technologies to a single platform to showcase their research ideas. The selected papers are organized in topical sections on communication technologies; security and privacy; futuristic computing technologies; network and computing technologies; wireless networks and Internet of Things (IoT).
PN-EN ISO 14971:2020-05/A11 Polski Komitet Normalizacyjny 2022
SEASONS, EASTER AND ASTRONOMICAL MOTIONS Pier Paolo Ricci 2013-11 This book, the last of the series dedicated to the solar system, includes various aspects of different kinds of planets during their evolution over the centuries, like the seasons, the length of the day, the precession, the orbital elements of the planets, the date of Easter and much more. A chapter is also dedicated to the transits and occultations visible to the other planets. This is not a technical and difficult to read manual, but a complete and very detailed description of what the sky gives us throughout our lives, so each table is ready for use, and each reported event will be easily visible to the naked eye or possibly with a simple pair of binoculars. The book is for stargazing astronomers and professionals. Questo libro, l'ultimo della serie dedicata al sistema solare, include vari aspetti di diversa natura dei pianeti affrontati nella loro evoluzione nel corso dei secoli, come le stagioni, la durata del giorno, la precessione, gli elementi orbitali dei pianeti, la data della Pasqua e ta
理財周刊 第1027期 2020/05/01 理財周刊 2020-04-30 財報與攤牌 人是英雄錢是膽。繼美國聯準會宣布無限量QE之後，日本也跟進將無限量回購公債，打算不惜一切救市。當全球資金氾濫之際，疫情一旦趨緩，投資信心恢復，資本市場自然重現生機。台股這次攢破十年線，融資水位降到千億以下20年新低，國安基金護盤的角色就是恢復市場信心 更多精采內容 ◆負油價事件 留意海期投資五大關鍵 ◆謀定而後動 台股仍為震盪偏多局面 ◆烏龜過門檻 但看此一翻 ◆什麼股票最飆 董監改選 借殼上市最飆 ◆解析產業連乾文教你找出潛力飆股
Enabling Healthcare 4.0 for Pandemics Abhinav Juneja 2021-09-08 ENABLING HEALTHCARE 4.0 for PANDEMICS The book explores the role and scope of AI, machine learning and other current technologies to handle pandemics. In this timely book, the editors explore the current state of practice in Healthcare 4.0 and provide a roadmap for harnessing artificial intelligence, machine learning, and Internet of Things, as well as other modern cognitive technologies, to aid in dealing with the various aspects of an emergency pandemic outbreak. There is a need to improvise healthcare systems with the intervention of modern computing and data management platforms to increase the reliability of human processes and life expectancy. There is an urgent need to come up with smart IoT-based systems which can aid in the detection, prevention and cure of these pandemics with more precision. There are a lot of challenges to overcome but this book proposes a new approach to organize the technological warfare for tackling future pandemics. In this book, the reader will find: State-of-the-art technological advancements in pandemic management; AI and ML-based identification and forecasting of pandemic spread; Smart IoT-based ecosystem for pandemic scenario. Audience The book will be used by researchers and practitioners in computer science, artificial intelligence, bioinformatics, data scientists, biomedical statisticians, as well as industry professionals in disaster and pandemic management.
Developments in Design Research and Practice Emilia Duarte 2022-02-14 This book reports on innovative research and practices in contemporary design, showing how to integrate different concepts and discussing the emerging role of design in different field, its meaning for humans and citizens, at both local and global level. Gathering the best papers from Senses & Sensibility, held in 2019 in Lisbon, Portugal, it highlights the role of design in fostering education, physical and social wellbeing, industrial innovation and cultural preservation, as well as inclusivity, sustainability and communication in a global, digital world.

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.

A Deeper Sickness Margaret Peacock 2022-03-08 A harrowing chronicle by two leading historians, capturing in real time the events of a year marked by multiple devastations. When we look back at the year 2020, how can we describe what really happened? In A Deeper Sickness, award-winning historians Margaret Peacock and Erik Peterson set out to preserve what they call the “focused confusion,” and to probe deeper into what they consider the Four Pandemics that converged around the 12 astonishing months of 2020: • Disease • Disinformation • Poverty • Violence Drs. Peacock and Peterson use their interdisciplinary expertise to extend their analysis beyond the viral science, and instead into the social, political, and historical dimensions of this crisis. They consulted with dozens of experts and witnesses from a wide range of fields—from leading epidemiologists and health care workers to leaders of the Black Lives Matter movement, district attorneys, political scientists, philosophers, and more. Their journey revealed a sick country that believed it was well, a violent nation that believed it was peaceful; one that mistook poverty for prosperity and accountability for rebellion. Organized into the journal-entries along with dozens of archival images, A Deeper Sickness will help readers sift through the chaos and misinformation that characterized those frantic days. It is both an unflinching indictment of a nation that is still reeling and a testament to the power of human resilience and collective memory. Readers can share their story and become a contributing author by visiting an interactive digital museum, where the authors have preserved dozens of more stories and interviews. Visit Margaret Peacock and Erik L. Peterson’s digital museum at adhc.lib.ua.edu/pandemicbook/.

Python for Data Analysis Hari K.C. 2022-05-26 Computer programing is the vital field for the electronics, information and computer students. Programming with Python is trending topics nowadays. Its application has been increasing day by day. This book includes easy and readable theories with more examples. It also focusses on python projects. Computer Programming is the core subject for undergraduate students. With python, computer programming is not a big deal. This book is for beginners and intermediate students who wants to learn basics of Python Programming as well as Data Analysis and Visualization. In each Chapter, students will find necessary theories with relevant and practical examples. The concepts and examples used in this book are the inspiration from the different sources and authors. The whole text has been divided into seven chapters: 1. Introduction to Python 2. Data Structure and Conditional Statements 3. Loops and Functions 4. Object Oriented Programming in Python 5. Plotting graphs and charts in Python 6. Data analysis using NumPy and pandas 7. Mini Projects in Python

Facts and Analysis: Canvassing COVID-19 Responses Linda Chelan Li 2021-03-01 It is impossible to reflect on 2020 without discussing Covid-19. The term, literally meaning corona- (CO) virus (VI) disease (D) of 2019, has become synonymous with “the virus”, “corona” and “the pandemic”. The impact of the virus on our lives is unprecedented in modern human history, in terms of scale, depth and resilience. When compared to other epidemics that have plagued the world in recent decades, Covid-19 is often referred to as being much more “deadly” and is associated with advances in technology which scientists have described as “revolutionary”. From politics to economics, spanning families and continents, Covid-19 has unsettled norms: cultural clashes are intensified, politics are even more polarized, and regional tensions and conflicts are on the rise. Global trade patterns and supply chains are increasingly being questioned and redrawn. The world is being atomized, and individuals are forced to accept the “new normal” in their routines. In an attempt to combat the virus and minimize its detrimental effects, countries have undertaken different preventive strategies and containment policies. Some have successfully curbed the spread of Covid-19, while many others remain in limbo, doing their best to respond to outbreaks in cases. To gain a better understanding of how to fight Covid-19, it is imperative to evaluate the success and failures of these approaches. Under what conditions is an approach successful? When should it be avoided? How can this information be used to avoid future pandemics? This volume offers informative comparative case studies that shed light on these key questions. Each country case is perceptively analyzed and includes a detailed timeline, allowing readers to view each response with hindsight and extrapolate the data to better understand what the future holds. Taken as a whole, this collection offers invaluable insight at this critical juncture in the Covid-19 pandemic. “In the ‘post-truth’ era, such careful documentation of the facts is especially welcome.” Dr Tania Burchardt Associate Professor, Department of Social Policy London School of Economics and Political Science “The end is not yet in sight for the pandemic but in these pages the key factors in its development and some possible solutions for the future are laid out in ways that make it indispensable reading.” Prof David S. G. Goodman Professor of China Studies and former Vice President, Academic Xi’an Jiaotong-Liverpool University, Suzhou “This book is an important and groundbreaking effort by social scientists to understand on how states have been managing the crisis.” Kevin Hewison Weldon E. Thornton Distinguished Emeritus Professor University of North Carolina at Chapel Hill “This is exactly the kind of research that will contribute to our fight against Covid-19.” Tak-Wing Ngo University of Macau “A well-researched book on Covid-19 highlighting the value of the meticulous fact-based groundwork by an international team.” Carlson Tong, GBS, JP Former Chairman, Securities and Futures Commission, Hong Kong Chairman, University Grants Committee, Hong Kong

Introduction to Data Systems Thomas Bressoud 2020-12-04 Encompassing a broad range of forms and sources of data, this textbook introduces data systems through a progressive presentation. Introduction to Data Systems covers data acquisition starting with local files, then progresses to data acquired from relational databases, from REST APIs and through web scraping. It teaches data forms/formats from tidy data to relationally defined sets of tables to hierarchical structure like XML and JSON using data models to convey the structure, operations, and constraints of each data form. The starting point of the book is a foundation in Python programming found in introductory computer science classes or short courses on the language, and so does not require prerequisites of data structures, algorithms, or other courses. This makes the material accessible to students early in their educational career and equips them with understanding and skills that can be applied in computer science, data science/data analytics, and information technology programs as well as for internships and research experiences. This book is accessible to a wide variety of students. By drawing together content normally spread across upper level computer science courses, it offers a single source providing the essentials for data science practitioners. In our increasingly data-centric world, students from all domains will benefit from the “data-aptitude” built by the material in this book.

Creating a Geriatric Emergency Department John Schumacher 2021-12-31 An essential, experience-based, practical guide for anyone looking to improve the care of older patients in the emergency department.

理財周刊 第**1030**期 **2020/05/22** 理財周刊 2020-05-21 華為緊箍咒 第1季季報公布，不畏疫情逆勢表現，營益率比去年同期還優的企業，用實力證明禁得起考驗。全球重啟經濟活動，疫苗研發報佳音，但華為新禁令可能引發中國的貿易報復，如何趨吉避凶切換第2季仍有亮點又具有籌碼優勢的潛力股，是當前持盈保泰的重點。更多精采內容 ◆美中爭高科技霸權 台積電兩難 ◆疫情激活遊戲股加速成長 ◆貿易戰再起疑慮 衝擊電子族群 ◆金融期貨風控建模 四大挑戰必須克服 ◆提升國際觀 張真卿教你聰明賺外匯

理財周刊 第**1031**期 **2020/05/29** 理財周刊 2020-05-27 類股輪動 資金派對尚未結束，在國際利空雜陳下找出下一波的成長趨勢，是投資人必修的功課。中國大陸「二新一重」政策指引投資新方向，相關受惠股未來成長可期，而重啟經濟活動車市必先回溫，零組件供應鏈春江水暖鴨先知。更多精采內容 ◆一國兩制告終 台灣應有啟示 ◆華為限令 香港變局 美中爭霸白熱化 ◆今日香港，明日台灣？ ◆半導體去美化受惠股出列 ◆提升財務智商，做自己的提款機

理財周刊 第**1028**期 **2020/05/08** 理財周刊 2020-05-07 數位轉型加速度 台灣第一季經濟成長率再度榮登亞洲四小龍之首，前瞻與五加二產業創新計畫包括風電等內需基建，將成為貢獻今年GDP的支柱。而台灣防疫的成就揚名國際，也激勵蟄伏良久的生技產業揚眉吐氣。更多精采內容 ◆疫情催化「一個世界、兩套標準」成形 ◆前瞻2030新生活商機 ◆第二季可望雙位數成長 拉回可留意 ◆仙人打鼓有時錯 別迷信巴菲特存股 ◆廚房裡說經濟 林向愷從生活談全球

Proceedings of the 7th China High Resolution Earth Observation Conference (CHREOC 2020) Liheng Wang 2022-01-11 This book is the proceedings of the 7th China High-resolution Earth Observation Conference (CHREOC). The series conference of China High Resolution Earth Observation has become an influential academic event in the earth detection area, attracting more and more top experts and industry users of related fields. The CHREOCs focus on the popular topics including military-civilian integration, the One Belt and One Road project, the transformation of scientific research achievements. They also discuss the new ideas, new technologies, new methods, and new developments. The CHREOCs have effectively promoted high-level institutional mechanisms, technological innovation, and industrial upgrading in the high-resolution earth observation area, and extend the influences of the state-sponsored major projects.

Interest Rate Derivatives Explained: Volume 2 Jörg Kienitz 2017-11-08 This book on Interest Rate Derivatives has three parts. The first part is on financial products and extends the range of products considered in Interest Rate Derivatives Explained I. In particular we consider callable products such as Bermudan swaptions or exotic derivatives. The second part is on volatility modelling. The Heston and the SABR model are reviewed and analyzed in detail. Both models are widely applied in practice. Such models are necessary to account for the volatility skew/smile and form the fundament for pricing and risk management of complex interest rate structures such as Constant Maturity Swap options. Term structure models are introduced in the third part. We consider three main classes namely short rate models, instantaneous forward rate models and market models. For each class we review one representative which is heavily used in practice. We have chosen the Hull-White, the Cheyette and the Libor Market model. For all the models we consider the extensions by a stochastic basis and stochastic volatility component. Finally, we round up the exposition by giving an overview of the numerical methods that are relevant for successfully implementing the models considered in the book.

PN-EN 12301:2020-05/AC Polski Komitet Normalizacyjny 2022

The Church, the City and the Virus Trever Herbert 2020-07-01 Trevor Herbert has provided us with an extraordinarily important book of selfreflection. The globe and Africa have been experiencing the twin trauma of the COVID 19 pandemic and more recently unsettling race relations...Herbert’s final admonition is to lead. We are in a critical moment not unlike the first century where the first disciples knew that the furtherance of the gospel was more important than the longevity of their own lives...Leaders do what leadership requires. What happens in Africa will alter the trajectory of 21st century Christianity as much as any other region of the world.

Compendium of GST FORMS and relevant Notifications issued from June 2017 upto October 2020 Jaimini Narayan Khurjekar 2020-12-30 This book basically consist of compilation of all GST FORMS prescribed under CGST Act, 2017/CGST Rules, 2017 and compilation of relevant provisions of CGST Act 2017 and CGST Rules 2017 [as amended till 31.10.2020] together with all Notifications, Circulars, Orders issued during 01.07.2017 to 31.10.2020. Government has issued more than 400 Notifications and more than 100 Circulars and Orders during last three years, which are relevant to the subject matter of this book, and these references are difficult to view at one place chronologically, when needed for tracking of Compliances of GST provisions as governed by the various GST FORMS. This eBook is aimed at mitigating such difficulty, by arranging all those Notifications, Circulars, provisions of Act and Rules chronologically, at one place, subject wise, so that it becomes easy reference for reader to access and view them, when needed, instantly. Accordingly, we have created 19 groups of FORMS and all the provisions of Act and Rules and Notifications, Circulars, Orders have been placed below each Group for easy reference. Apart from these 19 groups few more groups have been created for Compilation of Late fee and interest waiver notifications, compilation of provisions of newly inserted Section 168A in CGST Act, 2017 and notifications and circulars issued thereunder. We have also compiled all other allied GST acts for ready reference. With the introduction of Central Goods and Services Tax Act, the Government decided to move towards IT based implementation of GST Law across India. More than 180 different FORMS have been introduced under this legislation for monitoring the Compliances and most of these forms are mandatorily required to be filed Electronically. As on date more than 150 Forms are already available on GSTN Portal for Taxpayers as well as Tax Authorities. On this background, these Forms assume extreme importance when it comes to implementation of the GST Law and therefore this book will be handy for Business / Industry / Trade as well as Government and Statutory Auditors while tracking the Compliance for past three years. We are hopeful that this Compilation will be useful for all stakeholders. We propose to update this book periodically and we are open for any suggestion from stakeholders. Disclaimer Utmost care has been taken to download and reproduce and compile these notifications, Forms, Circulars, Orders, GST flyers from CBIC.gov.in official website, however for any reference of the provisions of Act, Rules, Notifications, Circulars and Orders for litigation purpose before judicial authorities, should be drawn from official website of the Govt.

Smart Buildings Digitalization O.V. Gnana Swathika 2022-02-24 This book explains the concept of data centers, including data collection, public parking systems, smart metering, and sanitizer dispensers. Electric urban transport systems and effective electric distribution in smart cities are discussed as well. The extensive role of power electronics in smart building applications, such as electric vehicles, rooftop terracing, and renewable energy integration, is included. Case studies on automation in smart homes and commercial and official buildings are elaborated. This book describes the complete implication of smart buildings via industrial, commercial, and community platforms. FEATURES Systematically defines energy-efficient buildings employing power consumption optimization techniques with the inclusion of renewable energy sources Covers data centers and cybersecurity with excellent data storage features for smart buildings Includes systematic and detailed strategies for building air-conditioning and lighting Details smart building security propulsion This book is aimed at graduate students, researchers, and professionals in building systems engineering, architectural engineering, and electrical engineering.

Python for Finance Yves Hilpisch 2018-12-05 The financial industry has recently adopted Python at a tremendous rate, with some of the largest investment banks and hedge funds using it to build core trading and risk management systems. Updated for Python 3, the second edition of this hands-on book helps you get started with the language, guiding developers and quantitative analysts through Python libraries and tools for building financial applications and interactive financial analytics. Using practical examples throughout the book, author Yves Hilpisch also shows you how to develop a full-fledged framework for Monte Carlo simulation-based derivatives and risk analytics, based on a large, realistic case study. Much of the book uses interactive IPython Notebooks.

Intelligent Systems Ricardo Cerri 2020-10-15 The two-volume set LNAI 12319 and 12320 constitutes the proceedings of the 9th Brazilian Conference on Intelligent Systems, BRACIS 2020, held in Rio Grande, Brazil, in October 2020. The total of 90 papers presented in these two volumes was carefully reviewed and selected from 228 submissions. The contributions are organized in the following topical section: Part I: Evolutionary computation, metaheuristics, constrains and search, combinatorial and numerical optimization; neural networks, deep learning and computer vision; and text mining and natural language processing. Part II: Agent and multi-agent systems, planning and reinforcement learning; knowledge representation, logic and fuzzy systems; machine learning and data mining; and multidisciplinary artificial and computational intelligence and applications. Due to the Corona pandemic BRACIS 2020 was held as a virtual event.

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This quick read on a Trump presidency that started off with outrage and graduated to righteous indignation is a must-have for those who enjoy history, politics, and government or simply want to read about the most notorious presidency in history.

康軒學習雜誌進階版*405*期 *2020/05/15* 康軒學習雜誌編輯部 2020-05-14 認識自己的情緒來源、觀察別人的情緒變化、維持良好的人際關係，這些都跟我們的EQ有關係喔！ 生活中不是天天都順心如意，偶爾發生一些狀況，會讓人覺得全世界都沒有人了解自己，還可能覺得別人都在嘲笑自己；另外，明明就是別人造成的錯誤，自己卻遭到責怪，但如果表現得太在意，又可能會被人家說愛計較、愛生氣……這些狀態就是低EQ的魔咒，正在發威！ 當你發覺自己常常陷入那些低EQ魔咒，生活過得很不順利，和家人朋友也相處得不太好；建議你，可以先認真觀察自己的情緒，再多多了解你的家人和朋友，應該就能找到方法和他們溝通、相處，自己的EQ也會頓時大大提升喔【編者的話】 EQ高，心情好 各位親愛的小讀者，想一想，當連假結束了，但你發現因為貪玩而忘了做功課的時候，你是氣急敗壞的怪東怪西，還是冷靜下來一件件熬夜完成？ 當你和同學對某件事情有不同的想法而爭辯，卻沒有人聽得懂你在說什麼的時候，你是怒氣攻心的大吼大叫，還是試著慢慢的、好好的一次次說明想法？ 碰到令人「跳腳」的情況，是情緒高漲、「跳得更高」；還是能深呼吸、靜下來，好好面對問題？ 用什麼心情和方式，處理生活中的突發狀況，這跟EQ好不好，有很大的關係喔！ EQ是「情緒智商」，人會有各式各樣的情緒，但是人也同樣有能力掌控和調節這些情緒，而這個能力就稱為EQ。 據說EQ高的人，心情比較容易常保愉快，和不同的人都能順利相處，當然，做起事來也會無往不利！ 這期的主題館，我們就要幫助你認識自己，還要教你覺察自己的情緒、調節自己的情緒，更重要的是——掌握自己的情緒！ 當你隨時隨地都能和自己、和別人愉快又自在的相處時，你的EQ無形中會變得越來越好喔！ 鍛鍊高EQ，是一輩子的功課，做好了，保證你天天開心，所以趕快翻開雜誌，準備練功嘍！ 這一期，還要跟著雙髻鯊一起游到帛琉的鯊魚保護區，據說那裡原本是個鯊魚樂園，不過，最近鯊魚居民都不見了；一隻恰好路過的黑翼礁鯊，告訴雙髻鯊：「氣候暖化，使得海水溫度上升，對水溫很敏感的鯊魚同伴們，都潛到大海深處避暑了！」不過，躲起來的鯊魚卻面臨著另一個可怕的危機，是什麼呢？ 牠們能順利躲過嗎？ 讀一讀Top新鮮事，一起來關心鯊魚！ 祝天天開心 康軒學習雜誌部

COVID-19 - Social Science Research during a Pandemic Paul Russell Ward 2022-07-13

Pandas in Action Boris Paskhaver 2021-09-28 Pandas has rapidly become one of Python's most popular data analysis libraries. With pandas you can efficiently sort, analyze, filter and munge almost any type of data. Pandas in Action shows you how to master this versatile tool and take the next steps in your data science career. Pandas has rapidly become one of Python's most popular data analysis libraries. With pandas you can efficiently sort, analyze, filter and munge almost any type of data. Pandas in Action shows you how to master this versatile tool and take the next steps in your data science career. Pandas in Action makes it easy to dive into Python-based data analysis. You’ll learn to use pandas to automate repetitive spreadsheet functionality and derive insight from data by sorting columns, filtering data subsets, and creating multi-leveled indices. Each chapter is a self-contained tutorial, letting you dip in when you need to troubleshoot tricky problems. Best of all, you won’t be learning from sterile or randomly created data. You’ll start with a variety of datasets that are big, small, incomplete, broken, and messy and learn how to clean and format them for proper analysis. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Approved Drug Products with Therapeutic Equivalence Evaluations - FDA Orange Book 31st Edition (2011) Food and Drug Administration 2011 FDA Orange Book 31st Edition - 2011 (Approved Drug Products With Therapeutic Equivalence Evaluations)

Computational Intelligence and Healthcare Informatics Om Prakash Jena 2021-09-08 COMPUTATIONAL INTELLIGENCE and HEALTHCARE INFORMATICS The book provides the state-of-the-art innovation, research, design, and implements methodological and algorithmic solutions to data processing problems, designing and analysing evolving trends in health informatics, intelligent disease prediction, and computer-aided diagnosis. Computational intelligence (CI) refers to the ability of computers to accomplish tasks that are normally completed by intelligent beings such as humans and animals. With the rapid advance of technology, artificial intelligence (AI) techniques are being effectively used in the fields of health to improve the efficiency of treatments, avoid the risk of false diagnoses, make therapeutic decisions, and predict the outcome in many clinical scenarios. Modern health treatments are faced with the challenge of acquiring, analyzing and applying the large amount of knowledge necessary to solve complex problems. Computational intelligence in healthcare mainly uses computer techniques to perform clinical diagnoses and suggest treatments. In the present scenario of computing, CI tools present adaptive mechanisms that permit the understanding of data in difficult and changing environments. The desired results of CI technologies profit medical fields by assembling patients with the same types of diseases or fitness problems so that healthcare facilities can provide effectual treatments. This book starts with the fundamentals of computer intelligence and the techniques and procedures associated with it. Contained in this book are state-of-the-art methods of computational intelligence and other allied techniques used in the healthcare system, as well as advances in different CI methods that will confront the problem of effective data analysis and storage faced by healthcare institutions. The objective of this book is to provide researchers with a platform encompassing state-of-the-art innovations; research and design; implementation of methodological and algorithmic solutions to data processing problems; and the design and analysis of evolving trends in health informatics, intelligent disease prediction and computer-aided diagnosis. Audience The book is of interest to artificial intelligence and biomedical scientists, researchers, engineers and students in various settings such as pharmaceutical & biotechnology companies, virtual assistants developing companies, medical imaging & diagnostics centers, wearable device designers, healthcare assistance robot manufacturers, precision medicine testers, hospital management, and researchers working in healthcare system.

Practical IoT Hacking Fotios Chantzis 2021-03-23 The definitive guide to hacking the world of the Internet of Things (IoT) -- Internet connected devices such as medical devices, home assistants, smart home appliances and more. Drawing from the real-life exploits of five highly regarded IoT security researchers, Practical IoT Hacking teaches you how to test IoT systems, devices, and protocols to mitigate risk. The book begins by walking you through common threats and a threat modeling framework. You’ll develop a security testing methodology, discover the art of passive reconnaissance, and assess security on all layers of an IoT system. Next, you’ll perform VLAN hopping, crack MQTT authentication, abuse UPnP, develop an mDNS poisoner, and craft WS-Discovery attacks. You’ll tackle both hardware hacking and radio hacking, with in-depth coverage of attacks against embedded IoT devices and RFID systems. You’ll also learn how to: • Write a DICOM service scanner as an NSE module • Hack a microcontroller through the UART and SWD interfaces • Reverse engineer firmware and analyze mobile companion apps • Develop an NFC fuzzer using Proxmark3 • Hack a smart home by jamming wireless alarms, playing back IP camera feeds, and controlling a smart treadmill The tools and devices you’ll use are affordable and readily available, so you can easily practice what you learn. Whether you’re a security researcher, IT team member, or hacking hobbyist, you’ll find Practical IoT Hacking indispensable in your efforts to hack all the things REQUIREMENTS: Basic knowledge of Linux command line, TCP/IP, and programming

Smart Grid Sensors Hamed Mohsenian-Rad 2022-04-06 Discover the ever-growing field of smart grid sensors, covering traditional and state-of-the-art sensor technologies, as well as data-driven and intelligent methods for using sensor measurements in support of innovative smart grid applications. Covers recent and emerging topics, such as smart meters, synchronized phasor measurements, and synchronized waveform measurements. Additional advanced topics and future trends are also discussed, such as situational awareness, probing, and working with off-domain measurements. Including real-world examples, exercise questions, and sample data sets, this is an essential text for students, researchers, and scientists, as well as field engineers and practitioners in the areas of smart grid and power systems.

康軒學習雜誌進階版404期 2020/05/01 康軒學習雜誌編輯部 2020-04-30 行動回收塑膠站，好讚「鼻孔插著塑膠吸管的海龜」、「肚子裡塞滿塑膠垃圾而餓死的海鳥」看著這些網路照片，我們不禁想問：我喝完飲料的寶特瓶，都丟進了資源回收桶，而且塑膠袋也盡量重複使用，為什麼塑膠垃圾汙染還是那麼嚴重呢？雖然很多人開始注重環保，努力做資源回收，可是人類使用的塑膠實在太多；看一看你的周圍，不管是水壺、玩具、垃圾袋，甚至身上穿的衣服、背上背的包包，都有塑膠；而這些東西變成垃圾後，即使被放入資源回收箱，也很難再次被利用！為了讓塑膠垃圾能夠「重生」，有個名叫小智研發的團隊，他們發明了一個回收小英雄！回收小英雄誕生！回收小英雄是一個行動回收站，它的體積小、機動性強，能隨時出任務，把塑膠垃圾變成好用的東西！而發明回收小英雄的小智研發，則是一間專門研究如何回收垃圾，並讓垃圾重生的團隊；他們看見專家統計的真相──全世界，每天超過一億個寶特瓶被丟棄，每年人們製造了約三億公噸的塑膠垃圾。他們也了解到：這些塑膠「理論上」都可以被回收，但在幫它們分類，並載送到回收場或工廠加工的過程中，回收物很容易發臭、變質，最後還是得進入垃圾場，被掩埋、焚燒。所以小智研發團隊發明了這個回收小英雄，希望它能被大量生產，也能被派遣到各地，「隨時隨地」回收塑膠垃圾。【編者的話】認真工作的狗狗最帥氣！每次，看到導盲犬領著視障人士在路上行走，總是覺得非常感動，心想：哇，狗狗真的是人類的好朋友，牠不只忠心、親人，還非常可靠、值得依賴呢！狗狗被馴化，成為家犬，甚至擔任「警衛」，為人類守衛家園……這可是從約一萬五千年前就開始了唷！這麼多年來，人類不只發現狗狗具備「超能力」，還運用各種方法訓練狗狗，讓狗狗能夠順利施展超能力，為視障人士帶路，更幫忙搜救落難者、找出違禁品或害蟲……原來，狗狗的鼻子裡，擁有1.25 億到 2.2 億個嗅覺細胞，而且狗的嗅覺敏感度，比人類多10萬到100萬倍，能夠聞出人類聞不到的細微氣味，所以人類才將狗狗訓練成工作犬，請牠當我們身邊的最佳小幫手！這幾年，狗狗又有新的任務了！原來是可怕的豬瘟病毒藏在肉製品中，可惡的毒品、爆裂物等東西躲在行李箱裡，想要從港口悄悄偷渡上岸；因此負責臺灣海岸安全的海巡署，特別召募了一批狗狗，努力訓練牠們成為「好鼻師」，派駐到各個大港口，協助海巡人員搜查貨物、行李，確認裡頭沒有偷藏非法的毒品、食物或槍枝。這一期的Top主題館，我們要帶大家潛入海巡署的祕密訓練中心，直擊海巡偵搜犬訓練現場，還要跟著海巡領犬員和他的狗狗，一起度過有趣的實習生活，再一同前進港口值勤嘍！狗狗認真工作，讓人類的生活更安全、更美好；有些人類也正在努力研發「行動回收塑膠站」，讓地球的生命得以延續。他們是誰？為了救地球，這些人又做了什麼超酷的事？快翻開雜誌，讀一讀這期的環保新鮮事吧！康軒學習雜誌編輯部敬上

Thinking Big Dinesh Sachdev 2021-01-21 In this book, we will be focusing upon following: Apache Hadoop and its components like HDFS and YARN. We will learn about MapReduce framework which is foundation for many big data processing frameworks & technologies. We will walk through Apache Hive, Apache Pig, Apache Flume. Also, detailing Apache Oozie. We will also get an introduction to Apache Sqoop.To get a practical overview, we would implement a case study to analyze Clickstream data and visualize the reports using Jasper iReport Designer tool. Note that this book is written to understand Big Data development. The focus will be minimal on Hadoop Cluster Administration, and/or installing tools & technologies. We will be going through practical exercises rather than keeping it theoretical. It is good to have a basic understanding of programming concepts & any programming language. This book is designed to help developers learn. This book will ensure to keep details simple and practical. Thus, even if you are a novice to IT, by the end of this book you will gain enough knowledge about engineering big data.

Python for Algorithmic Trading Yves Hilpisch 2020-11-12 Algorithmic trading, once the exclusive domain of institutional players, is now open to small organizations and individual traders using online platforms. The tool of choice for many traders today is Python and its ecosystem of powerful packages. In this practical book, author Yves Hilpisch shows students, academics, and practitioners how to use Python in the fascinating field of algorithmic trading. You'll learn several ways to apply Python to different aspects of algorithmic trading, such as backtesting trading strategies and interacting with online trading platforms. Some of the biggest buy- and sell-side institutions make heavy use of Python. By exploring options for systematically building and deploying automated algorithmic trading strategies, this book will help you level the playing field. Set up a proper Python environment for algorithmic trading Learn how to retrieve financial data from public and proprietary data sources Explore vectorization for financial analytics with NumPy and pandas Master vectorized backtesting of different algorithmic trading strategies Generate market predictions by using machine learning and deep learning Tackle real-time processing of streaming data with socket programming tools Implement automated algorithmic trading strategies with the OANDA and FXCM trading platforms

理財周刊 第1029期 2020/05/15 理財周刊 2020-05-13 解封拚經濟 中華職棒四月開打，完成絕無僅有的全球壯舉，因為防疫國家隊努力守住了「優質先發」，讓台灣在對抗新冠病毒的戰役中展現銅牆鐵壁的身手。然而經濟急凍影響產業發展及市場消費，好像強襲球已造成不同程度的內傷，救援投手與黃金打線必須群策群力，才能讓全民共享最後的勝利。更多精采內容 ◆美國徵召台積電 憂喜參半 ◆受惠居家辦公加穩定配息 進可攻退可守 ◆各國政府下一個最大的難題━失業率 ◆金融期貨AI 已進到第四代技術革命 ◆想做銷售千里馬 就要懂得賣自己

ITNG 2021 18th International Conference on Information Technology-New Generations Shahram Latifi 2021-06-04 This volume represents the 18th International Conference on Information Technology - New Generations (ITNG), 2021. ITNG is an annual event focusing on state of the art technologies pertaining to digital information and communications. The applications of advanced information technology to such domains as astronomy, biology, education, geosciences, security, and health care are the among topics of relevance to ITNG. Visionary ideas, theoretical and experimental results, as well as prototypes, designs, and tools that help the information readily flow to the user are of special interest. Machine Learning, Robotics, High Performance Computing, and Innovative Methods of Computing are examples of related topics. The conference features keynote speakers, a best student award, poster award, service award, a technical open panel, and workshops/exhibits from industry, government and academia. This publication is unique as it captures modern trends in IT with a balance of theoretical and experimental work. Most other work focus either on theoretical or experimental, but not both. Accordingly, we do not know of any competitive literature.

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