



of Excel or other software for processing spreadsheets for both business and leisure purposes. In this work we will dedicate ourselves to the processing of quantitative data for work purposes, taking into consideration various examples that will explain how to solve the problems proposed through subsequent steps that will lead to the solution of the same.

### **AI and IoT for Sustainable Development in Emerging Countries**

Zakaria Boulouard 2022 This book comprises a number of state-of-the-art contributions from both scientists and practitioners working in a large pool of fields where AI and IoT can open up new horizons. Artificial intelligence and Internet of Things have introduced themselves today as must-have technologies in almost every sector. Ranging from agriculture to industry and health care, the scope of applications of AI and IoT is as wide as the horizon. Nowadays, these technologies are extensively used in developed countries, but they are still at an early stage in emerging countries. AI and IoT for Sustainable Development in Emerging Countries Challenges and Opportunities is an invaluable source to dive into the latest applications of AI and IoT and how they have been used by researchers from emerging countries to solve sustainable development-related issues by taking into consideration the specificities of their countries. This book starts by presenting how AI and IoT can tackle the challenges of sustainable development in general and then focuses on the following axes: AI and IoT for smart environment and energy Industry 4.0 and intelligent transportation A vision towards an artificial intelligence of medical things AI, social media, and big data analytics. It aspires to provide a relevant reference for students,

researchers, engineers, and professionals working in these particular areas or those interested in grasping its diverse facets and exploring the latest advances on their respective fields and the role of AI and IoT in them.

### **Recent Perspectives in Pyrolysis**

**Research** Mattia Bartoli 2022-04-13 Recent Perspectives in Pyrolysis Research presents and discusses different routes of pyrolytic conversions. It contains exhaustive and comprehensive reports and studies of the use of pyrolysis for energy and materials production and waste management.

### Random Walks in Fixed Income and Foreign Exchange

Jessica James 2021-06-08 The fixed income and foreign exchange (FX) markets have never been as challenging to operate in as they are today. The post-crash combination of reduced liquidity, higher operating costs, low interest rates, flat yield curves and increased regulation means that market makers and investors alike need to work harder to generate value and remain in full understanding of the markets. Random Walks in Fixed Income and Foreign Exchange brings together the best of detailed and original practitioner-orientated market research on many specialist areas of the bond and FX markets. Written by the highly regarded FX and bonds research desk at Commerzbank, the book offers varied and in-depth insight into specific topics of vital importance to dealers and investors, including the cross-currency basis and hedging, the yield curve, and overseas issuance conversion factors which will give investors a genuine edge in generating value. Written in accessible text, it is a must-read for all those interested in bonds and FX.

Disinfection of Viruses Raymond W. Nims 2022-05-18 Each of the chapters

in Disinfection of Viruses touches on virucidal efficacy for SARS-CoV-2, the causative agent for the COVID-19 disease, or enveloped viral surrogates. SARS-CoV-2 is an enveloped virus of the Coronaviridae family and therefore is expected to be susceptible to all classes of microbicides. The book is divided into three sections. Section 1: "Microbicides for Viral Inactivation," includes chapters on the efficacy of chemical virucides, Section 2: "Physical Inactivation Approaches," includes a chapter on the efficacy of gamma irradiation, ultraviolet light, and heat for inactivating coronaviruses, and Section 3: "Viral Persistence and Disinfection," includes data on viral persistence for SARS-CoV-2, as these data inform the need for and the approaches that might be used for disinfection.

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

**A Trader's Guide to Financial Astrology** Larry Pasavento 2015-01-06  
Look to the stars for a whole new approach to market cycle forecasting  
A Trader's Guide to Financial Astrology is the definitive guide to trading market cycles based on astrological data. Written by a highly-respected technical analyst, this book makes the connection between the movements of planets and the volatility of the market. Readers can draw upon one hundred years of historical data as they learn how to spot correlations from the past, and refer to planetary and lunar data for the next five years as they shape their own strategy. The book covers the principles of astrological forecasting as applied to the financial markets, explaining what to watch for and how to interpret planetary and lunar activity, plus

expert insight on everyday practical application. A study by the Federal Reserve Bank of Atlanta determined that the U.S. stock markets tend to be negatively affected by geomagnetic storms, and the Royal Bank of Scotland demonstrated that a trading system based on the phases of the moon would have outperformed the market. A Trader's Guide to Financial Astrology shows traders how to tap into the planetary forces that influence market activity. Readers will: Learn how planetary and lunar movements relate to the financial markets Draw upon 100 years of historic correlations and five years of forecast data Forecast long-term and short-term activity based on planetary relationships and lunar movement Enter the markets at key turning points, using price patterns and other tools When integrated with technical trading patterns, astrology can be an effective way of shifting perspective and approaching the market differently. For traders who have always wanted to know what to do when Mercury is in retrograde or the moon is new, A Trader's Guide to Financial Astrology provides information and insight from a leading market educator.

**Computational Vision and Bio-Inspired Computing** S. Smys 2022 This book includes selected papers from the 5th International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC 2021), held in Coimbatore, India, during November 25-26, 2021. This book presents state-of-the-art research innovations in computational vision and bio-inspired techniques. The book reveals the theoretical and practical aspects of bio-inspired computing techniques, like machine learning, sensor-based models, evolutionary optimization and big data modeling and management that make use of effectual computing processes in the bio-inspired

systems. It also contributes to the novel research that focuses on developing bio-inspired computing solutions for various domains, such as human-computer interaction, image processing, sensor-based single processing, recommender systems and facial recognition, which play an indispensable part in smart agriculture, smart city, biomedical and business intelligence applications.

**Effective Elimination of Structural Racism** Erick Guerrero 2022-05-25 The increasing recognition of the role of structural racism affecting vulnerable groups motivated the scholarly work presented in this volume. The authors' rigorous scholarship seeks to help readers identify and understand how structural racism impacts vulnerable groups and how effective practices may dismantle these structural forces. Nine chapters provide unique, comprehensive, and science-based approaches to identify and eliminate structural racism within healthcare, politics, and education systems. Policymakers, system administrators, scholars, students, and the public will benefit from the authors' critical examples of structural racism within public systems across different countries, as well as from their proposed solutions.

**QC/T 1148-2021: Translated English of Chinese Standard. (QCT1148-2021)**  
<https://www.chinesestandard.net>  
2022-01-06 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This document specifies the technical requirements, test methods, inspection rules and markings, packaging, transportation, storage of the power tailgate system for category M1 automobile. This document is applicable to the electric opening and closing system of the tailgate of

the automobile, which is driven by electric spindle.  
**PN-EN IEC 61010-2-091** Polski Komitet Normalizacyjny 2021  
*Georgia: 2021 Article IV Consultation-Press Release; Staff Report; and Statement by the Executive Director for Georgia*  
International Monetary Fund. Middle East and Central Asia Dept.  
2021-09-21 High frequency estimates suggest a V-shaped recovery with output now poised to return close to 2019 levels already this year, much earlier than expected. Recently COVID-19 case numbers have risen sharply to new highs while vaccinations have also accelerated significantly after a slow start. The recovery has improved the fiscal outlook and the authorities submitted to Parliament a supplementary budget, with GEL 1.2 billion in additional spending roughly equivalent to the expected increase in revenues. The National Bank of Georgia (NBG) has increased the policy rate by 200 basis points to deal with high inflation driven by lagging effects of depreciation, commodity and food price increases, and supply side constraints.

**QC/T 1142-2021: Translated English of Chinese Standard (QC/T1142-2021)**  
<https://www.chinesestandard.net>  
2021-11-05 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from: Sales@ChineseStandard.net] This Document specifies the terms and definitions, test samples, test environment, test equipment, test procedures and data processing of test method of the natural frequency for automobile wheels under rigid constraints. This Document is applicable to passenger car wheels.  
**Microgrids and Local Energy Systems**  
Nick Jenkins 2021-12-15 This book addresses important topical questions of microgrids and local energy



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

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**QC/T 1144-2021: Translated English of Chinese Standard. (QCT1144-2021)**

<https://www.chinesestandard.net>  
2020-06-06 This document specifies the requirements and test methods for oxygen sensors for motorcycles and mopeds. This document applies to oxygen sensors for motorcycles and mopeds.

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**PN-EN IEC 60947-3** Polski Komitet Normalizacyjny 2021  
Cybersecurity & Digital Forensics  
ANAS ZAKIR 2022-03-17 About The Book:

This book is for beginners, cybersecurity and digital forensics enthusiasts, or anyone who wants to boost their knowledge, skills and want to learn about cybersecurity & digital forensics. This book explains different programming languages, cryptography, steganography techniques, networking, web application security, and digital forensics concepts in an evident manner with examples. This book will enable you to grasp different cybersecurity, digital forensics, and programming concepts and will allow you to understand how to implement security and break security in a system for testing purposes. Also, in this book, we will discuss how to manually perform a forensics investigation for extracting volatile & non-volatile data in Linux and Windows OS using the command-line interface. In this book, we will mostly use command-line interface for performing different tasks using programming and commands skills that we will acquire in different chapters. In this book you will learn:

- Setting up & Managing Virtual Machine in VirtualBox
- Linux OS
- Bash Programming and Scripting
- Useful Utilities in Linux OS
- Python Programming
- How to work on CLI
- How to use programming skills for automating tasks.
- Different Cryptographic techniques such as Symmetric & Asymmetric Cryptography, Digital Signatures, Message Authentication Code, Hashing
- Cryptographic Loopholes
- Steganography techniques for hiding & extracting information
- Networking Concepts such as OSI & TCP/IP Model, IP Addressing, Subnetting, Some Networking Protocols
- Network Security & Wireless Security Protocols
- A Little bit of Web Development
- Detection, Exploitation, and Mitigation of some Web Application Vulnerabilities
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and therefore the number of infections and deaths, was largely determined by socio-economic factors. From this, it follows that the course of the pandemic varies greatly from one country to another. This observation applies both to countries' resilience to such a pandemic (which is mainly rooted in the period preceding the outbreak of the virus) and to the way in which countries have reacted to the virus (including the political choices on how to respond). Meanwhile, research has made it clear that the nature of this response (e.g., elimination policy, mitigation policy, and proceeding herd immunity) was, on the one hand, strongly determined by political and ideological factors and, on the other hand, was highly influential in the factors of success or failure in combating the pandemic. The book focuses on the situation in a number of Western regions (notably the USA, the UK, and the EU and its Member States). The author addresses the reasons why in many Western countries both pandemic prevention and response policies to Covid-19 have failed. The book concludes with recommendations concerning the rearrangement of the socio-economic order that could increase the resilience of (Western) societies against such pandemics.

*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

Better Business Better Future  
Elisabet Lagerstedt 2022-01-01 An excellent read for entrepreneurs, corporate business leaders, board members, and strategists aiming to future-proof their business by integrating sustainability into the very core. This book offers a way forward, helps you understand the Sustainability Revolution, and provides valuable insights into the journeys and strategic choices of sustainability trailblazers such as Patagonia, Interface, Ørsted, Unilever, IKEA, Oatly, and others. Because you are not the first company to discover the potential in doing well by doing good, or as William Gibson said: "The future is already here - it's just not very evenly distributed". Still, many wicked problems urgently need innovative solutions. Solutions that the world of business is particularly well equipped to address through the ingenuity, creativity, collaboration, and resources that it can so often call forth more effectively and efficiently than other human organizations. Here and now, this requires a move beyond business as usual and a transformation into Better Business.

QC/T 1151-2021: Translated English of

Chinese Standard. (QCT1151-2021, QC/T 1151-2021)

<https://www.chinesestandard.net>  
2021-10-02 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from:

Sales@ChineseStandard.net] This document specifies the terms and definitions, technical requirements, test methods, inspection rules, signs, labels, instructions for use, transportation, storage of methanol fuel vehicles. This document applies to methanol fuel vehicles.

**Head First Git** Raju Gandhi 2022-01-18

What will you learn from this book?

Many people who use Git rely on "recipes"--copying and pasting commands they find on the internet without really understanding how Git actually works. But what do you do if you find yourself in a tight spot? You can't simply wing it. With this unique hands-on guide, you'll learn the ways of Git and have fun while doing it. Raju Gandhi peels back the layers to reveal the simple yet powerful engine that powers Git, so you'll understand not just the how but the why. You'll master branches, merges, commit messages, search, utilities, and more; learn best practices for collaborative work; and unlock the full potential of Git.

What's so special about this book? If you've read a Head First book, you know what to expect--a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. With this book, you'll learn Git through a multisensory experience that engages your mind rather than a text-heavy approach that puts you to sleep.

*Before the Public Utilities Commission of the State of California, Application of Pacific Gas and Electric Company to Market Value Hydroelectric Generating Plants and Related Assets Pursuant to Public Utilities Code Sections 367(b) and*

*851 (U39 E): Project description and summary 1999*

**QC/T 1150-2021: Translated English of Chinese Standard. (QCT1150-2021, QC/T 1150-2021)**

<https://www.chinesestandard.net>  
2021-10-02 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from:

Sales@ChineseStandard.net] This document specifies the terms and definitions, technical requirements, test methods of methanol automobile fuel system. This document applies to vehicles, which are equipped with methanol singlefuel engines or diesel / methanol dual-fuel engines.

**QC/T 1143-2021: Translated English of Chinese Standard (QC/T1143-2021)**

<https://www.chinesestandard.net>  
2021-11-05 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from:

Sales@ChineseStandard.net] This Document specifies the terms and definitions, test samples, test equipment, test procedures and data processing of the test method of static bending rigidity for automobile wheels. This Document is applicable to the automobile wheels.

*QC/T 207-2021: Translated English of Chinese Standard. (QCT207-2021)*

<https://www.chinesestandard.net>  
2022-01-06 [After payment, write to & get a FREE-of-charge, unprotected true-PDF from:

Sales@ChineseStandard.net] This document specifies the terms and definitions, types, technical requirements, test methods, inspection rules, markings, packaging, transportation, storage of common gas springs for automobiles. This document is applicable to fixed-stroke common gas springs, of various specifications, for automobiles (hereinafter referred to as gas springs). Other mechanical gas springs may use it by reference.

Practical Go Amit Saha 2021-09-11

YOUR PRACTICAL, HANDS-ON GUIDE TO WRITING APPLICATIONS USING GO Google announced the Go programming language to the public in 2009, with the version 1.0 release announced in 2012. Since its announcement to the community, and the compatibility promise of the 1.0 release, the Go language has been used to write scalable and high-impact software programs ranging from command-line applications and critical infrastructure tools to large-scale distributed systems. It's speed, simplicity, and reliability make it a perfect choice for developers working in various domains. In Practical Go - Building Scalable Network + Non-Network Applications, you will learn to use the Go programming language to build robust, production-ready software applications. You will learn just enough to building command line

tools and applications communicating over HTTP and gRPC. This practical guide will cover: Writing command line applications Writing a HTTP services and clients Writing RPC services and clients using gRPC Writing middleware for network clients and servers Storing data in cloud object stores and SQL databases Testing your applications using idiomatic techniques Adding observability to your applications Managing configuration data from your applications You will learn to implement best practices using hands-on examples written with modern practices in mind. With its focus on using the standard library packages as far as possible, Practical Go will give you a solid foundation for developing large applications using Go leveraging the best of the language's ecosystem.