

Physical Hydrology Gbv

For over half a century, financial experts have regarded the movements of markets as a random walk--unpredictable meanderings akin to a drunkard's unsteady gait--and this hypothesis has become a cornerstone of modern financial economics and many investment strategies. Here Andrew W. Lo and A. Craig MacKinlay put the Random Walk Hypothesis to the test. In this volume, which elegantly integrates their most important articles, Lo and MacKinlay find that markets are not completely random after all, and that predictable components do exist in recent stock and bond returns. Their book provides a state-of-the-art account of the techniques for detecting predictabilities and evaluating their statistical and economic significance, and offers a tantalizing glimpse into the financial technologies of the future. The articles track the exciting course of Lo and MacKinlay's research on the predictability of stock prices from their early work on rejecting random walks in short-horizon returns to their analysis of long-term memory in stock market prices. A particular highlight is their now-famous inquiry into the pitfalls of "data-snooping biases" that have arisen from the widespread use of the same historical databases for discovering anomalies and developing seemingly profitable investment

strategies. This book invites scholars to reconsider the Random Walk Hypothesis, and, by carefully documenting the presence of predictable components in the stock market, also directs investment professionals toward superior long-term investment returns through disciplined active investment management.

Completely updated, the second edition of this comprehensive volume not only covers all major areas of hydrogeology, it takes a process-oriented, integrated approach so that readers can gain a complete understanding of the relationship between physical and chemical aspects of this subject. Provides a good balance between theory and application and includes new areas such as contaminant hydrogeology. Includes extensive reference list and suggested readings.

Little did Isaac Newton, Charles Darwin and other 'gentlemen scientists' know, when they were making their scientific discoveries, that some centuries later they would inspire a new field of scientific practice and innovation, called citizen science. The current growth and availability of citizen science projects and relevant applications to support citizen involvement is massive; every citizen has an opportunity to become a scientist and contribute to a scientific discipline, without having any professional qualifications. With geographic interfaces being the common approach to support collection, analysis

and dissemination of data contributed by participants, 'geographic citizen science' is being approached from different angles. Geographic Citizen Science Design takes an anthropological and Human-Computer Interaction (HCI) stance to provide the theoretical and methodological foundations to support the design, development and evaluation of citizen science projects and their user-friendly applications. Through a careful selection of case studies in the urban and non-urban contexts of the Global North and South, the chapters provide insights into the design and interaction barriers, as well as on the lessons learned from the engagement of a diverse set of participants; for example, literate and non-literate people with a range of technical skills, and with different cultural backgrounds. Looking at the field through the lenses of specific case studies, the book captures the current state of the art in research and development of geographic citizen science and provides critical insight to inform technological innovation and future research in this area.

Drawing on 15 years of fieldwork and over 300 interviews, Home SOS argues that the home is central to the violence and gendered contingency of existence in crisis ordinary Cambodia. Provides an original book-length study which brings domestic violence and forced eviction into twin view Offers relational insights between different violences to

build an integrated understanding of women's experiences of home life Mobilises the crisis ordinary as a critical pedagogy and imaginary through which to understand everyday gendered politics of survival Positions domestic violence and forced eviction as manifestations of intimate war against women's homes and bodies located inside and outside of the traditional purview of war Reaffirms and reprioritises the home as a political entity which is foundational to the concerns of human geography

This handbook is a reference guide for selecting and carrying out numerous methods of soil analysis. It is written in accordance with analytical standards and quality control approaches. It covers a large body of technical information including protocols, tables, formulae, spectrum models, chromatograms and additional analytical diagrams. The approaches are diverse, from the simplest tests to the most sophisticated determination methods.

Water is a finite and non-substitutable resource. As the foundation of life, societies and economies, it carries multiple values and benefits. But unlike most other natural resources, it has proven extremely difficult to determine its true 'value'. The 2021 edition of the United Nations World Water Development Report, titled "Valuing Water" assesses the current status of and challenges to the valuation of water across different sectors and perspectives and identifies ways in which valuation

can be promoted as a tool to help improve its management and achieve global sustainable development.

The health of human populations around the world is constantly changing and the health profiles of most nations in the early twenty-first century global health landscape are unrecognizable compared with those of just a century ago. This book examines and explains these health changes and considers likely future patterns and changes. While the overall picture charted is one of progress and improvement, certain unfortunate regressions and stubbornly persistent health inequalities are equally shown to be part of the evolving patterns of global health. The chapters of the book are organized in three major parts: The first part introduces readers to the principal concepts of global health, and to the idea of populations having distinctive health profiles. In particular, it explores how those profiles can be measured, and how they change, using the umbrella concepts and theories of epidemiological and health transition. Building on the first section, the second part focuses on the evolution of health states, as well as paying particular attention to the reasons for the many subnational inequalities in global health. It also examines health challenges such as the continuing infectious disease burden and current emerging 'epidemics'. The final part transports readers from the current health scene to future possible and

probable health scenarios, acknowledging the challenges presented by global environmental change, as well as issues centred around geopolitics and human security. Using clear and original explanations of complex issues, this text makes extensive use of boxed case studies and international examples, with thought-provoking discussion questions posed for readers at the end of each chapter. Global Health is essential reading for students of global health, public health and development studies.

Climate change is the defining development challenge of our time. More than a global environmental issue, climate change and variability threaten to reverse recent progress in poverty reduction and economic growth. Both now and over the long run, climate change and variability threatens human and social development by restricting the fulfillment of human potential and by disempowering people and communities in reducing their livelihoods options. Communities across Latin America and the Caribbean are already experiencing adverse consequences from climate change and variability. Precipitation has increased in the southeastern part of South America, and now often comes in the form of sudden deluges, leading to flooding and soil erosion that endanger people's lives and livelihoods. Southwestern parts of South America and western Central America are seeing a decrease in

precipitation and an increase in droughts. Increasing heat and drought in Northeast Brazil threaten the livelihoods of already-marginal smallholders, and may turn parts of the eastern Amazon rainforest into savannah. The Andean inter-tropical glaciers are shrinking and expected to disappear altogether within the next 20-40 years, with significant consequences for water availability. These environmental changes will impact local livelihoods in unprecedented ways. Poverty, inequality, water access, health, and migration are and will be measurably affected by climate change. Using an innovative research methodology, this study finds quantitative evidence of large variations in impacts across regions. Many already poor regions are becoming poorer; traditional livelihoods are being challenged in unprecedented ways; water scarcity is increasing, particularly in poor arid areas; human health is deteriorating; and climate-induced migration is already taking place and may increase. Successfully reducing social vulnerability to climate change and variability requires action and commitment at multiple levels. This volume offers key operational recommendations at the government, community, and household levels with particular emphasis placed on enhancing good governance and technical capacity in the public sector, building social capital in local communities, and protecting the asset base of poor households.

This illustrated report sets out a global review of the state of the world's freshwater resources, based on the collective work of 24 United Nations agencies, following on from the conclusions of the first UN World Water Development Report 'Water for People, Water for Life' published in 2003 (ISBN 9231038818). This second edition discusses progress towards the water-related targets of the UN Millennium Development Goals and examines a range of key issues including population growth and increasing urbanisation, changing ecosystems, food production, health, industry and energy, as well as risk management, valuing and paying for water and increasing knowledge and capacity. It contains 16 case studies which consider key challenges in water resource management and makes a number of recommendations to guide future action and encourage sustainable use, productivity and management of our increasingly scarce freshwater resources.

This volume provides an analytical and facts-based overview on the progress achieved in water security in Latin America and the Caribbean (LAC) region over during the last decade, and its links to regional development, food security and human well-being. Although the book takes a regional approach, covering a vast of data pertaining to most of the LAC region, some chapters focus on seven countries (Argentina, Brazil, Chile, Colombia, Costa Rica, Mexico and Peru). A full understanding of LAC's trends progress requires framing this region in the global context: an ever more globalized world where LAC has an increasing geopolitical power and a growing presence in international food markets. The book's specific objectives are: (1) exploring the improvements and links between water and food security in LAC countries; (2) assessing the role of the socio-economic 'megatrends' in LAC, identifying feedback processes between the region's observed pattern of changes regarding

key biophysical, economic and social variables linked to water and food security; and (3) reviewing the critical changes that are taking place in the institutional and governance water spheres, including the role of civil society, which may represent a promising means to advancing towards the goal of improving water security in LAC. The resulting picture shows a region where recent socioeconomic development has led to important advances in the domains of food and water security. Economic growth in LAC and its increasingly important role in international trade are intense in terms of use of natural resources such as land, water and energy. This poses new and important challenges for sustainable development. The reinforcement of national and global governance schemes and their alignment on the improvement of human well-being is and will remain an inescapable prerequisite to the achievement of long-lasting security. Supporting this bold idea with facts and science-based conclusions is the ultimate goal of the book.

This comprehensive and important volume includes contributions by activists, journalists, lawyers and scholars from twenty-one countries. The essays map the directions the movement for women's rights is taking--and will take in the coming decades--and the concomittant transformation of prevailing notions of rights and issues. They address topics such as the rapes in former Yugoslavia and efforts to see that a War Crimes Tribunal responds; domestic violence; trafficking of women into the sex trade; the persecution of lesbians; female genital mutilation; and reproductive rights. "World Health Organization, London School of Hygiene and Tropical Medicine, South African Medical Research Council"--Title page.

It is estimated that literally billions of residents in urban and peri-urban areas of Africa, Asia, and Latin America are served by onsite sanitation systems (e.g. various types of latrines

and septic tanks). Until recently, the management of faecal sludge from these onsite systems has been grossly neglected, partially as a result of them being considered temporary solutions until sewer-based systems could be implemented. However, the perception of onsite or decentralized sanitation technologies for urban areas is gradually changing, and is increasingly being considered as long-term, sustainable options in urban areas, especially in low- and middle-income countries that lack sewer infrastructures. This is the first book dedicated to faecal sludge management. It compiles the current state of knowledge of the rapidly evolving field of faecal sludge management, and presents an integrated approach that includes technology, management, and planning based on Sandecs 20 years of experience in the field. *Faecal Sludge Management: Systems Approach for Implementation and Operation* addresses the organization of the entire faecal sludge management service chain, from the collection and transport of sludge, and the current state of knowledge of treatment options, to the final end use or disposal of treated sludge. The book also presents important factors to consider when evaluating and upscaling new treatment technology options. The book is designed for undergraduate and graduate students, and engineers and practitioners in the field who have some basic knowledge of environmental and/or wastewater engineering.

Written by experts, *Digital Terrain Modeling: Principles and Methodology* provides comprehensive coverage of recent developments in the field. The topics include terrain analysis, sampling strategy, acquisition methodology, surface modeling principles, triangulation algorithms, interpolation techniques, on-line and off-line quality control in data acquisition, DTM accuracy assessment and mathematical models for DTM accuracy prediction, multi-scale representation, data

management, contouring, visual analysis (or visualization), the derivation of various types of terrain parameters, and future development and applications.

"Urban Climate Change Research Network, Center for Climate Systems Research, Earth Institute, Columbia University."

Das als Durchbruch gefeierte Abkommen von Paris (2015) hat erneut bestätigt, dass es auf die Fähigkeit der Politik zur Zusammenarbeit ankommt, weltweit, national und in Netzwerken, wenn die Stabilisierung des Weltklimas gelingen soll. Das Handbuch informiert über die wichtigsten Institutionen (IPCC, UN-Klimaregime), Akteure (USA, EU, China, Entwicklungsländer) und Kooperationsformen des noch jungen globalen Politikfeldes.

This book considers how gender issues are entwined with people's vulnerability to the effects of climate change. Vivid case studies show how women and men in developing countries are experiencing climate change and describe their efforts to adapt their ways of making a living to ensure survival, often against extraordinary odds.

This book presents a systematic approach to understanding and applying the principles of hydrology and hydroclimatology, examining the interactions among different components of the water cycle. It takes a fresh look at the fundamentals and challenges in hydrologic and hydroclimatic systems as well as climate change. The author describes the application of nontraditional data sets and new investigation techniques to water-related problems. He also examines long lead forecasting and simulation, time series analysis, and risk and uncertainty in hydrologic design.

The purpose of this guide book is to give the reader a quick and effective access to the most appropriate Key Performance Indicator (KPI). The 36,000 KPIs are categorized in a logical and alphabetical order. Many

organizations are spending a lot of funds on building their strategic planning and performance management capabilities. One of the current challenges is the difficulty to know what KPIs are used in similar situations. This book main objective is to acquaint the reader with available KPIs measuring performance of a specific industry, sector, international topic, and functional area. The book is divided into three sections:1) Organization Section: 32 Industries | 385 Functions | 11,000 KPIs2) Government Section: 32 Sectors | 457 Functions | 12,000 KPIs3) International Section: 24 Topics | 39 Sources | 13,000 KPIs

REVIEWS: "It's very interesting book. Let me also use this opportunity to congratulate you on it" Augustine Botwe, M&E Consultant - Sweden "Thank you for this book. As an OD and performance consultant, it will be great to have a reference like this to help assist clients and not reinvent the wheel. Congratulations on making this happen with admiration" Sheri Chaney Jones - Ohio, USA "Fabulous book! I bought it for my company. Good work!" Elizabeth Amini, CEO, Strategist - LA, USA "Congratulations for this tremendous work you have done with this book!" Roxana Goldstein, Monitoring Consultant - Argentina "This looks like a very important reference for me in my BSC consulting practice." Edy Chakra, Partner, ADDIMA Consulting - UK "Congratulations for your book, it is very comprehensive!" Rafael Lemaitre - Manager at Palladium Group - Spain "Many thanks for sharing this valuable information. I will use as reference in my work." Edi Indriyotomo - Senior IT Mgr. - Indonesia "I am reading my copy of your great book "KPI Mega Library" which I bought from Amazon. Thank you, great effort!" Basel A - Kuwait "It's a great idea, for folks who don't have a clue where to start. If you're a strategy consultant who shapes strategies for your clients, you need a tailored set of performance metrics" Shelley Somerville, Social Change Strategist - LA, USA "A very comprehensive list of KPIs

across a number of functions, industries, etc. As an organizational consultant, I could use this resource as a jumping off point to discuss KPIs with a client based on their particular needs. This book could be a great tool to pick and choose the correct KPIs based on a number of criteria"

Anthony Bussard - Dynamic, Innovative HR Effectiveness Consultant - Boston

The complex and dynamic interlinks between natural resource management (NRM) and development have long been recognized by national and international research and development organizations and have generated voluminous literature. However, much of what is available in the form of university course books, practical learning manuals and reference materials in NRM is based on experiences from outside Africa. *Managing Natural Resources for Development in Africa: A Resource Book* provides an understanding of the various levels at which NRM issues occur and are being addressed scientifically, economically, socially and politically. The book's nine chapters present state-of-the-art perspectives within a holistic African context. The book systematically navigates the tricky landscape of integrated NRM, with special reference to Eastern and Southern Africa, against the backdrop of prevailing local, national, regional and global social, economic and environmental challenges. The authors' wide experience, the rich references made to emerging challenges and opportunities, and the presentation of different tools, principles, approaches, case studies and processes make the book a rich and valuable one-stop resource for postgraduate students, researchers, policymakers and NRM practitioners. The book is designed to help the reader grasp in-depth NRM perspectives and presents innovative guidance for research design and problem solving, including review questions, learning activities and recommended further reading. The book was

developed through a writeshop process by a multi-disciplinary team of lecturers from the University of Nairobi, Egerton University, Kenyatta University, the University of Zimbabwe, the University of Malawi, Makerere University and the University of Dar es Salam. In addition, selected NRM experts from regional and international research organizations including the World Agroforestry Center (ICRAF), the Africa Forest Forum, RUFORUM, IIRR and the International Development Research Centre (IDRC) participated in the writeshop and contributed material to the book.

Too prevalent to ignore : violence against women, its prevalence, and health consequences / García-Moreno, C., Stockl, H. -- Gender-based violence in the Middle-East : a review / Madi Skaff, J. -- Violence against women in Latin America / Gaviria A., S.L. -- Violence against women in south Asia / Niaz, U. -- Violence against women in Europe : magnitude and the mental health consequences described by different data sources / Helweg-Larsen, K. -- Intimate partner violence as a risk factor for mental health in South Africa / Jewkes, R. -- Intimate partner violence and mental health / Oram, S., Howard, L.M. -- Sexual assault and women's mental health / Martin, S.L., Parcesepe, A.M. -- Child sexual abuse of girls / MacMillan, H.L., Wathen, C.N. -- Sexual violence and armed conflict : a systematic review of psychosocial support interventions / Stavrou, V. -- Abuse and trafficking among female migrants and refugees / Kastrup, M. -- Abuse in doctor-patient relationships / Tschan, W. -- Workplace harassment based on sex : a risk factor for women's mental health / Cortina, L.M., Leskinen, E.A. -- Violence against women and suicidality : does violence cause suicidal behaviour? / Devries, K.M., Seguin, M. -- Violence against women suffering from severe psychiatric illness / Rondon, M.B. -- Violence against women and mental health : conclusions / García-Moreno, C., Riecher-Rössler, A.

Provides: over 26,000 academic institutions, 150,000 staff and officials; extensive coverage of universities, colleges and other centres of learning; and detailed information on over 400 international cultural, scientific and educational organizations.

This publication addresses the global challenges of food and water security in a rapidly changing and complex world. The essays highlight the links between bio-physical and socio-cultural processes, making connections between local and global scales, and focusing on the everyday practices of eating and drinking, essential for human survival. Written by international experts, each contribution is research-based but accessible to the general public.

The Comprehensive Textbook of Healthcare Simulation is a cohesive, single-source reference on all aspects of simulation in medical education and evaluation. It covers the use of simulation in training in each specialty and is aimed at healthcare educators and administrators who are developing their own simulation centers or programs and professional organizations looking to incorporate the technology into their credentialing process. For those already involved in simulation, the book will serve as a state-of-the-art reference that helps them increase their knowledge base, expand their simulation program's capabilities, and attract new, additional target learners. Features:

- Written and edited by pioneers and experts in healthcare simulation
- Personal memoirs from simulation pioneers
- Each medical specialty covered
- Guidance on teaching in the simulated environment
- Up-to-date information on current techniques and technologies
- Tips from "insiders" on funding, development, accreditation, and marketing of simulation centers
- Floor plans of simulation centers from across the United States
- Comprehensive glossary of terminology

Hindu Goddesses is a valuable sourcebook and reference

work for students and scholars of Hindu goddesses and of Hinduism in general. Each goddess is dealt with as an independent deity with a coherent mythology, theology and, in some cases, cult of her own. Within the complex, diverse, and rich goddess traditions of Hinduism, one can find suggestions of nearly every important theme in the Hindu religion. In many ways, this book is as much a study of the Hindu tradition itself as it is a study of one aspect of that tradition. No other living religious tradition has displayed such an ancient, continuous, and diverse history of goddess worship.

The INSPIRE handbook: action for implementing the seven strategies for ending violence against children explains in detail how to choose and implement interventions that will fit your needs and context. The seven strategy-specific chapters address the Implementation and enforcement of laws; Norms and values; Safe environments; Parent and caregiver support; Income and economic strengthening; Response and support services; and Education and life skills. The handbook concludes with a summary of INSPIRE's implementation and impact indicators drawn from the companion INSPIRE indicator guidance and results framework.

A Report for the World Bank by the Potsdam Institute for Climate Impact Research and Analytics.

The Multi-Country Study, which began in 1997, aims to: Obtain reliable estimates of the prevalence of violence against women in different countries throughout the world, in a consistent, standardized manner which will allow for inter-country comparisons; Document the association between domestic violence against women and a range of health outcomes; Identify risk and protective factors for domestic violence against women, and compare them between settings; Explore and compare the coping strategies used by women experiencing domestic violence; Use the findings

nationally and internationally to advocate for an increased response to domestic and sexual violence against women. A volume in the three-volume Remote Sensing Handbook series, Remote Sensing of Water Resources, Disasters, and Urban Studies documents the scientific and methodological advances that have taken place during the last 50 years. The other two volumes in the series are Remotely Sensed Data Characterization, Classification, and Accuracies, and Land Reso

Presents comprehensively the currently un-mapped constellation of issues related to climate change, public health, and the law.

This book presents an overview of the key debates that took place during the Economic and Social Council meetings at the 2007 High-level Segment, at which ECOSOC organized its first biennial Development Cooperation Forum. The discussions also revolved around the theme of the second Annual Ministerial Review, "Implementing the internationally agreed goals and commitments in regard to sustainable development."--P. 4 of cover.

This book represents a new "earth systems" approach to catchments that encompasses the physical and biogeochemical interactions that control the hydrology and biogeochemistry of the system. The text provides a comprehensive treatment of the fundamentals of catchment hydrology, principles of isotope geochemistry, and the isotope variability in the hydrologic cycle -- but the main focus of the book is on case studies in isotope hydrology and isotope geochemistry that explore the applications of isotope techniques for investigating modern environmental problems. Isotope Tracers in Catchment Hydrology is the first synthesis of physical hydrology and isotope geochemistry with catchment focus, and is a valuable reference for professionals and students alike in the fields of hydrology,

hydrochemistry, and environmental science. This important interdisciplinary text provides extensive guidelines for the application of isotope techniques for all investigators facing the challenge of protecting precious water, soil, and ecological resources from the ever-increasing problems associated with population growth and environmental change, including those from urban development and agricultural land uses.

This volume challenges global leaders and citizenry to do more in order to resource the implementation of the 2030 Agenda for Sustainable Development (AfSD) and its 17 interwoven Sustainable Development Goals (SDGs). Starting from the concept 'we cannot manage what we cannot measure', the book presents some cases showing how to draw national level baselines for the domestication and localisation of the SDGs seeking to provide a clear roadmap towards achieving the 2030 AfSD. *Scaling up SDGs Implementation* is targeted at the United Nations, national and state governments, sub-national governments, the corporate sector and civil society, including higher education institutes, labour groups, non-governmental organisations and youth movements. The book is cognizant of these institutions' common, but differentiated responsibilities and capabilities within their socio-political, environmental and economic conditions. The book presents case studies of how the corporate sector has been scaling up SDGs implementation, from the tourism sector, insurance, to the aviation and agricultural sectors. To make sure that no one is left behind, the volume includes cases on solutions for pressing environmental and socio-economic problems ranging from cooperatives in Brazil to the

conservation of springs in Zimbabwe. The matter of finding synergies between the climate SDG and the Paris Agreement's Nationally Determined Contributions (NDCs) is elaborated at length. Lastly, the book discusses how institutions of higher education remain critical pillars in SDGs scaling up, with cases of curriculum re-orientation in South Africa to the rolling out of the Women's University in Africa. In this context, this volume challenges every global citizen and organization to invest every effort into making the implementation of the SDGs a success as we welcome the second four to five year segment down the road to the year 2030.

This book examines changing gender roles, relations and hierarchies in an ethnic minority community in Central Viet Nam. After decades of war, the community continued its self-sufficient way of life in this remote forested mountainous region, but in recent years has been forced to respond to severe climate threats combined with sudden and destabilizing socioeconomic and regulatory change. Through the use of both qualitative (interview-based) and quantitative research methods, the book offers insights into the complex interactions between climate, regulatory and socioeconomic changes – including, paradoxically, the emergence of significant problems for both the community and the environment in the wake of policies designed to protect the natural environment. Facing greatly increased food and livelihood insecurity, the women and men of the community were pushed into the mainstream market economy without being fully prepared to participate in an economy that is still very

new to them. These sudden transitions caused major shifts in gender roles and hierarchies, opening up new possibilities for women to increase their social status in a highly patriarchal context, but also at a cost for both women and men as women's burdens increased and men's traditional roles and livelihoods were lost. The book examines recent trends, including unanticipated changes and new possible policy-related approaches, and draws international comparisons with other ethnic minority, indigenous and remote communities facing similar complex forces of change. This book will be of interest to scholars and postgraduate students of climate change, gender, environment, and public policy and development studies.

Thirteen years after the adoption of UN Security Council Resolution 1325, investment in women as agents of change in peacebuilding remains inadequate. With this report, UNEP, UN Women, UNDP and PBSO invite the international community, national governments and civil society to ensure that peacebuilding efforts fully include women, especially when it comes to managing natural resources.

Following the success of the Drilling Data Handbook, Editions Technip has designed this book to cover the well logging principles and its applications. This well logging handbook first edition starts with a summary on geology and petrophysics focusing mainly on its applications. The wide range of logging measurements and applications is covered through eleven sections, each of them organized into four chapters. All in all, this is a strongly-bound, user-friendly book with useful

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information for those involved in all aspects and applications of well-logging. The paging is notched and externally labelled alphabetically to allow a quick access.

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