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Machine Learning Mastery With R - Jason Brownlee 2016-01-30

R has been the gold standard in applied machine learning for a long time. Surveys show that it is the most popular platform used by professional data scientists. It is also preferred by the best data scientists in the world. In this Ebook, learn how to get started, practice and apply machine learning using the R platform. *12th International Conference on Vibrations in Rotating Machinery* - Institute of Mechanical Engineers 2020-10-22

Since 1976, the Vibrations in Rotating Machinery conferences have successfully brought industry and academia together to advance state-of-the-art research in dynamics of rotating machinery. 12th International Conference on Vibrations in Rotating Machinery contains contributions presented at the 12th edition of the conference, from industrial and academic experts from different countries. The book discusses the challenges in rotor-dynamics, rub, whirl, instability and more. The topics addressed include: - Active, smart vibration control - Rotor balancing, dynamics, and smart rotors - Bearings and seals - Noise vibration and harshness - Active and passive damping - Applications: wind turbines, steam turbines, gas turbines, compressors - Joints and couplings - Challenging performance boundaries of rotating machines - High power density machines - Electrical machines for aerospace - Management of extreme events - Active machines - Electric supercharging - Blades and bladed assemblies (forced response, flutter, mistuning) - Fault detection and condition monitoring - Rub, whirl and instability - Torsional vibration Providing the latest research and useful guidance, 12th International Conference on Vibrations in Rotating Machinery aims at those from industry or academia that are involved in transport, power, process, medical engineering, manufacturing or construction.

Sclerotinia Diseases of Crop Plants: Biology, Ecology and Disease Management - G. S. Saharan 2008-09-01

The fungus Sclerotinia has always been a fancy and interesting subject of research both for the mycologists and pathologists. More than 250 species of the fungus have been reported in different host plants all over the world that cause heavy economic losses. It was a challenge to discover weak links in the disease cycle to manage Sclerotinia diseases of large number of crops. For researchers and s- dents, it has been a matter of concern, how to access voluminous literature on Sclerotinia scattered in different journals, reviews, proceedings of symposia, workshops, books, abstracts etc. to get a comprehensive picture. With the publication of book on 'Sclerotinia', it has now become quite clear that now only three species of Sclerotinia viz. , S. sclerotiorum, S. minor and S. trifoliorum are valid. The authors have made an excellent attempt to compile all the available infor- tion on various aspects of the fungus Sclerotinia. The information generated so far has been presented in different chapters. After introducing the subject various aspects viz. , the diseases, symptomatology, disease assessment, its distribution, economic importance, the pathogen, its taxonomy, nomenclature, reproduction, reproductive structures with fine details, variability, perpetuation, infection and pathogenesis, biochemical, molecular and physiological aspects of host-pathogen interaction, seed infection, disease cycle, epidemiology and forecasting, host resistance with sources of resistance, mechanism of resistance and other mana- ment strategies have been covered.

Pesticide Toxicity to Non-target Organisms - Johnson Stanley 2016-08-12

The pesticide should cause effect on the target pests and be selective enough to spare the non-target beneficial. The book deals with the pesticide toxicity to predators, parasitoids and microbes which are used

for pest management in the agroecosystem. The other beneficials exposed to pesticides are pollinators, earthworms, silkworm and fishes. The book contains information on the modes of pesticide exposure and toxicity to the organisms, sub-lethal effects of insecticides and method of toxicity assessment, risk assessment of pesticidal application in the field. The purpose of the work is to compile and present the different procedures to assess pesticide poisoning in organisms related to the agroecosystem along with discussions on risk assessment procedures with clear comparison of toxicity of pesticides to target pests and non target beneficial organisms.

Total Training for Young Champions - Tudor O. Bompa 2000

Collects conditioning programs for athletes between the ages of six and eighteen, offering over three hundred exercises for increasing coordination, flexibility, speed, endurance, and strength

The Use of Non-conventional Water Resources in Developing Countries - 1985

Renewable Energy and Climate Change - Volker V. Quaschnig 2009-12-17

This dazzling introductory textbook encompasses the full range of today's important renewable energy technologies. Solar thermal, photovoltaic, wind, hydro, biomass and geothermal energy receive balanced treatment with one exciting and informative chapter devoted to each. As well as a complete overview of these state-of-the-art technologies, the chapters provide: clear analysis on their development potentials; an evaluation of the economic aspects involved; concrete guidance for practical implementation; how to reduce your own energy waste. If we do not act now to stop climate change, the consequences will be catastrophic. The current world situation is demonstrated here with the aid of full-colour figures and photographs, data diagrams and simple calculations and results. A multiplicity of impressive examples from countries across the globe show international 'alternative' energy in action. With its easy-to-read approach, this is an essential textbook for students on renewable energy courses, also environment and sustainability courses. Planners, operators, financiers and consultants will find this an excellent manual for planning and realizing climate protection. Furthermore, this book makes great background reading for energy workers, designers, politicians and journalists, and anyone who is interested in the topic of climate change. Looking for further study? Visit the complimentary website; it hosts many useful related internet sites:

www.wiley.com/go/quaschnig_renewable

Lansdowne Dearest - Bronwyn DAVIDS 2020-11-02

In Battle for Peace - William Edward Burghardt Du Bois 2014-02-20

W. E. B. Du Bois was a public intellectual, sociologist, and activist on behalf of the African American community. He profoundly shaped black political culture in the United States through his founding role in the NAACP, as well as internationally through the Pan-African movement. Du Bois's sociological and historical research on African-American communities and culture broke ground in many areas, including the history of the post-Civil War Reconstruction period. Du Bois was also a prolific author of novels, autobiographical accounts, innumerable editorials and journalistic pieces, and several works of history. One of the most neglected and obscure books by W. E. B. Du Bois, In Battle for Peace frankly documents Du Bois's experiences following his attempts to mobilize Americans against the emerging conflict between the United States and the Soviet Union. A victim of McCarthyism, Du Bois endured a humiliating trial-he was

later acquitted-and faced political persecution for over a decade. Part autobiography and part political statement, *In Battle for Peace* remains today a powerful analysis of race in America. With a series introduction by editor Henry Louis Gates, Jr., and an introduction by Manning Marable, this edition is essential for anyone interested in African American history.

Vibrations in Rotating Machinery - IMechE (Institution of Mechanical Engineers) 2004-10-22

This essential text contains the papers from the 8th international IMechE conference on Vibrations in Rotating Machinery held at the University of Wales, Swansea in September 2004. The themes of the volume are new developments and industrial applications of current technology relevant to the vibration and noise of rotating machines and assemblies. TOPICS INCLUDE Rotor balancing - including active and automatic balancing Special rotating machines - including micromachines Oil film bearings and dampers Active control methods for rotating machines Smart machine technology Dynamics of assembled rotors Component life predictions and life extension strategies The dynamics of geared systems Cracked rotors - detection, location and prognosis Chaotic behaviour in machines Experimental methods and discoveries.

Why We Hate - Rush W. Dozier 2003-06-16

"In the post-9/11 struggle for a sane global vision, this antihate manifesto could not be more timely."--Oprah Magazine In this acclaimed volume, Pulitzer-Prize nominated science writer Rush W. Dozier Jr. demystifies our deadliest emotion--hate. Based on the most recent scientific research in a range of fields, from anthropology to zoology, *Why We Hate* explains the origins and manifestations of this toxic emotion and offers realistic but hopeful suggestions for defusing it. The strategies offered here can be used in both everyday life to improve relationships with family and friends as well as globally in our efforts to heal the hatreds that fester within and among nations of the world.

Signal Processing Systems - N. Kalouptsidis 1997-04-18

A highly practical, detailed, and comprehensive resource containing all the tools and methods required to design signal processing systems This meticulously prepared reference will bring you up to speed on signal processing systems, a multidisciplinary technology with widespread applications in telecommunications, robotics, controls, pattern recognition, and image processing. Thorough, clear, and highly practical, this book emphasizes tool development as well as signal processing design and shows readers how to perform a variety of tasks. These include signal compression and coding, modulation, encryption, filtering for signal enhancement and noise removal, pattern classification, error control coding, prediction to estimate future behavior, feedback control, and identification to locate a plant or signal source operating in an uncertain environment. No other book offers this wide range of tools and techniques essential to the design of signal processing systems. Extensively illustrated and supplemented with extensive appendixes, it provides Complete coverage of all major signal and systems representations Detailed descriptions of the phases involved in the design of a signal processing system Applications, algorithms, and simulations designed to be run using MATLAB Examples of various types of signals and systems, including analog, discrete, digital, multidimensional, and stochastic. A balanced account of both theoretical and implementation issues

Advances in Kernel Methods - Bernhard Schölkopf 1999

A young girl hears the story of her great-great-great-great-grandfather and his brother who came to the United States to make a better life for themselves helping to build the transcontinental railroad.

la ValSe-Food 2019 - Isabel Castanheira 2021-06-10

The seeds and fruits (or their parts) of Iberoamerican crops have high nutritional and functional properties which could be utilized in a wide range of foods. The crops included in this book are amaranth (*Amaranthus* spp.), quinoa (*Chenopodium quinoa*), kañiwa (*Chenopodium pallidicaule*), chia (*Salvia hispanica* L.), Andean maize (*Zea mays* L.), moringa (*Moringa oleifera*), yvapura (*Plinia peruviana*), kurugua (*Sicana odorifera*), sacha inchi (*Plukenetia huayllabambana*), camu camu (*Myrciaria dubia*), mango (*Mangifera indica*), tarwi (*Lupinus mutabilis*), peanut (*Arachis hypogaea* L.) and taro (*Colocasia esculenta*), all of them still underutilized. Their cultivation is low; nevertheless, in recent years, the worldwide demand for some of them has increased immensely, resulting in an increase in their production. The ancient Iberoamerican crops have been widely recognized for their nutritional value by food scientists and food producers because they contain high-quality proteins and large quantities of micronutrients such as minerals, vitamins and bioactive compounds. In addition, they are gluten-free, which makes them suitable for people suffering

from various gluten intolerances. This book summarizes the large amount of investigations in this field in the last year and provides knowledge within all the relevant areas of food science. The editors hope that this book will contribute to an increased use of these products in human nutrition by consumers worldwide.

Introduction to Radar Using Python and MATLAB - Lee Andrew (Andy) Harrison 2019-10-31

This comprehensive resource provides readers with the tools necessary to perform analysis of various waveforms for use in radar systems. It provides information about how to produce synthetic aperture (SAR) images by giving a tomographic formulation and implementation for SAR imaging. Tracking filter fundamentals, and each parameter associated with the filter and how each affects tracking performance are also presented. Various radar cross section measurement techniques are covered, along with waveform selection analysis through the study of the ambiguity function for each particular waveform from simple linear frequency modulation (LFM) waveforms to more complicated coded waveforms. The text includes the Python tool suite, which allows the reader to analyze and predict radar performance for various scenarios and applications. Also provided are MATLAB® scripts corresponding to the Python tools. The software includes a user-friendly graphical user interface (GUI) that provides visualizations of the concepts being covered. Users have full access to both the Python and MATLAB source code to modify for their application. With examples using the tool suite are given at the end of each chapter, this text gives readers a clear understanding of how important target scattering is in areas of target detection, target tracking, pulse integration, and target discrimination.

The Bisayan Dialects of the Philippines - R. David Paul Zorc 1977

Hard Child - Natalie Shapero 2017-04-11

Natalie Shapero spars with apathy, nihilism, and mortality, while engaging the rich territory of the 30s and new motherhood

Applications of Tensor Functions in Solid Mechanics - J.P. Boehler 2014-05-04

Grandad Mandela - Ambassador Zindzi Mandela 2018-06-28

"...profoundly moving..." -Publishers Weekly Nelson Mandela's two great-grandchildren ask their grandmother, Mandela's youngest daughter, 15 questions about their grandad - the global icon of peace and forgiveness who spent 27 years in prison. They learn that he was a freedom fighter who put down his weapons for the sake of peace, and who then became the President of South Africa and a Nobel Peace Prize-winner, and realise that they can continue his legacy in the world today. Seen through a child's perspective, and authored jointly by Nelson Mandela's great-grandchildren and daughter, this amazing story is told as never before to celebrate what would have been Nelson's Mandela 100th birthday.

Renewable Energy Sources and Climate Change Mitigation - Ottmar Edenhofer 2012

This Intergovernmental Panel on Climate Change Special Report (IPCC-SRREN) assesses the potential role of renewable energy in the mitigation of climate change. It covers the six most important renewable energy sources - bioenergy, solar, geothermal, hydropower, ocean and wind energy - as well as their integration into present and future energy systems. It considers the environmental and social consequences associated with the deployment of these technologies and presents strategies to overcome technical as well as non-technical obstacles to their application and diffusion. SRREN brings a broad spectrum of technology-specific experts together with scientists studying energy systems as a whole. Prepared following strict IPCC procedures, it presents an impartial assessment of the current state of knowledge: it is policy relevant but not policy prescriptive. SRREN is an invaluable assessment of the potential role of renewable energy for the mitigation of climate change for policymakers, the private sector and academic researchers.

INTER-ENG 2020 - Liviu Moldovan 2021-05-31

These proceedings contain research papers that were accepted for presentation at the 14th International Conference Inter-Eng 2020 ,Interdisciplinarity in Engineering, which was held on 8-9 October 2020, in Târgu Mureş, Romania. It is a leading international professional and scientific forum for engineers and scientists to present research works, contributions, and recent developments, as well as current practices in engineering, which is falling into a tradition of important scientific events occurring at Faculty of Engineering and Information Technology in the George Emil Palade University of Medicine, Pharmacy

Science, and Technology of Târgu Mures, Romania. The Inter-Eng conference started from the observation that in the 21st century, the era of high technology, without new approaches in research, we cannot speak of a harmonious society. The theme of the conference, proposing a new approach related to Industry 4.0, was the development of a new generation of smart factories based on the manufacturing and assembly process digitalization, related to advanced manufacturing technology, lean manufacturing, sustainable manufacturing, additive manufacturing, and manufacturing tools and equipment. The conference slogan was "Europe's future is digital: a broad vision of the Industry 4.0 concept beyond direct manufacturing in the company".

Mathematical Reviews - 1987

Bulletin of the American Mathematical Society - American Mathematical Society 1955

Fundamentals of Soil Behavior - James K. Mitchell 1993

Explains the factors which determine and control the engineering properties of soils--particularly volume change, deformation, strength and permeability. New to this edition: expanded coverage of residual and tropical soils, environmental aspects of soil behavior, material on partly saturated soils, revised treatment of direct or coupled hydraulic, chemical, thermal and electrical flows through soil.

Janey the Vet - Janey Lowes 2020-03-19

'Janey is like a whirlwind of selflessness. A beautiful spirit in a beautiful country doing a beautiful thing. I encourage my children to be more 'Janey'. With more positive spirits like Janey, the world would be a better place.' - Ben Fogle In 2014 and in her mid-twenties, Janey Lowes had been a vet for just two years when she left her home in County Durham and went travelling. Visiting Sri Lanka, she was horrified to see the state of so many of the island's dogs, in particular the three million strays. Over 5,000 miles from home, Janey decided there and then that she was going to move to the island indefinitely and do everything within her power to help them. She raised £10,000 to get started, setting up a charity called WECare Worldwide, and began work. Frightened, determined and excited all at the same time, she found a local who was willing to work with her and began scouring the streets for dogs in need. Some she patched up as best she could at the roadside, others she brought back and treated in a make-shift surgery she had cobbled together in her new home. With very little equipment, she and her small team came up with new and ingenious ways to treat the animals. In this highly inspiring and heartfelt book full of challenges and adventure, Janey introduces us to her world and the tireless work she carries out. As she says, 'I feel as though all these dogs are my dogs and I have a responsibility to them.' In it, we meet many of the colourful characters who have come to offer help, along with innumerable street dogs who have suffered all sorts of trauma and injury, only to be scooped up by Janey and her team and saved.

Volcanic Rocks and Soils - Tatiana Rotonda 2015-09-03

Volcanic rocks and soils show a peculiar mechanical behaviour at both laboratory and in-situ scale due to their typical structural characters. Volcanic rocks and soils contains keynote lectures and papers from the International Workshop held in Ischia (Italy), 24-25 September 2015. The book deals with recent developments and advancements, as well as case histories, in the geotechnical characterization and engineering applications related to volcanic formations. It covers a variety of themes, including: • Geotechnical characterization under both static and cyclic/dynamic loading conditions, with special regard to structural properties at different scales (microstructural features; field and laboratory characterization; construction materials); • Geotechnical aspects of natural hazards (slope stability; seismic risk); • Geotechnical problems of engineering structures (foundations; embankments; excavations and tunnels). Volcanic Rocks and Soils is of interest to scientists and practitioners in the fields of rock and soil mechanics, geotechnical engineering, engineering geology and geology.

Compendium of Sunflower Diseases and Pests - Robert Martin Harveson 2016

"This all-new disease and insect compendium for sunflower crops will serve as a vital field guide at universities, extension offices, diagnostic labs, farms, and even homes where sunflowers are grown. It includes nearly 300 images and research-based management recommendations, allowing users to scout, identify, and manage a range of plant diseases and insect pests of sunflowers whether they're grown for

food or décor!"--

State and Local Government and Politics - Morris J. Levitt 1980

Biomechatronics: Harmonizing Mechatronic Systems with Human Beings - Dingguo Zhang 2019-02-05

This eBook provides a comprehensive treatise on modern biomechatronic systems centred around human applications. A particular emphasis is given to exoskeleton designs for assistance and training with advanced interfaces in human-machine interaction. Some of these designs are validated with experimental results which the reader will find very informative as building-blocks for designing such systems. This eBook will be ideally suited to those researching in biomechatronic area with bio-feedback applications or those who are involved in high-end research on man-machine interfaces. This may also serve as a textbook for biomechatronic design at post-graduate level.

Twelve Years a Slave - Solomon Northup 2021-01-01

"Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

101 Places to Get F*cked Up Before You Die - Matador Network 2014-01-07

What Are You Waiting For? Looking for a guidebook that isn't full of tired, lame, or even BS travel information? 101 Places to Get Fucked Up Before You Die brings together the most irreverent and legit accounts of drinking, nightlife and travel culture around the world. Part guide, part social commentary, part party invitation, 101 Places gives you all the info and inspiration you'll need to: * Blowout one (or several) of the year's biggest festivals * MacGyver your way into underground clubs and backcountry raves * Throw down with people from the Himalayas to the salt flats to Antarctica * Travel in every conceivable style—from baller to dirtbag—to some of the most epic spots on earth Do you really know where to go out in San Francisco or Tel Aviv? How about preparing for Burning Man or Oktoberfest? The award-winning journalists and photographers at Matador Network let you know what's up at each spot, whether it's drug policies, how to keep safe, special options for LGBT travelers, or simply where to find the kind of music you like to dance to. No matter if you want to rage at Ibiza or just chill on some dunes smoking shisha, 101 Places has something for you. So, hop a flight, raise a glass, and join us as we breach security, ride ill-recommended ferries, and hike miles into the wilderness all in search of the parties and places going off right now.

Bantu Knots - Lebo Mazibuko 2022-02-02

Climate Change and Cities - Cynthia Rosenzweig 2018-03-29

The Urban Climate Change Research Network's Second Assessment Report on Climate Change in Cities (ARC3.2) is the second in a series of global, science-based reports to examine climate risk, adaptation, and mitigation efforts in cities. The book explicitly seeks to explore the implications of changing climatic conditions on critical urban physical and social infrastructure sectors and intersectoral concerns. The primary purpose of ARC3.2 is to inform the development and implementation of effective urban climate change policies, leveraging ongoing and planned investments for populations in cities of developing, emerging, and developed countries. This volume, like its predecessor, will be invaluable for a range of audiences involved with climate change and cities: mayors, city officials and policymakers; urban planners; policymakers charged with developing climate change mitigation and adaptation programs; and a broad spectrum of researchers and advanced students in the environmental sciences.

The Tale of Custard the Dragon - Ogden Nash 2014

10th International Conference on Vibrations in Rotating Machinery - Institution of Mechanical Engineers 2012-09-11

This book presents the papers from the 10th International Conference on Vibrations in Rotating Machinery. This conference, first held in 1976, has defined and redefined the state-of-the-art in the many aspects of vibration encountered in rotating machinery. Distinguished by an excellent mix of industrial and academic

participation achieved, these papers present the latest methods of theoretical, experimental and computational rotordynamics, alongside the current issues of concern in the further development of rotating machines. Topics are aimed at propelling forward the standards of excellence in the design and operation of rotating machines. Presents latest methods of theoretical, experimental and computational rotordynamics Covers current issues of concern in the further development of rotating machines

40 Sonnets - Don Paterson 2017-05-02

Originally published in 2015 by Faber and Faber in Great Britain.

The Little Dental Drug Booklet - Peter L. Jacobsen, Ph.D. 2013-09-01

A pocket-sized book that is designed as a quick reference for the drugs most commonly used in dental practice. It includes practical, practice-oriented suggestions made by dental professionals and a section on prescription writing and prescription requirements. It also covers specific medical situations and the appropriate medications to be used.

Absolute Age Determination - Mebus A. Geyh 2012-12-06

With the growing recognition during the last two centuries that the Earth has an immense age and processes over long periods of time have changed the morphology and composition of the Earth's crust,

geologists have become increasingly interested in determination of absolute ages. A relative geochronology was established on the basis of the lithostratigraphic and biostratigraphic principles developed during the last century. With the discovery of radioactivity, the basis for a new geoscientific discipline - geochronology - was established (Rutherford 1906). It is the study of geological time, based mainly on the time signatures provided by the isotopic composition in geologic materials. The isotopic signature in a rock yields more information than that provided by the geochemical signature alone because it reflects the origin and history of the element in the rock. The aim of geochronology is to calibrate and standardize chronostratigraphic scales, to develop geological time scales that have a sensitive or at least useful resolution in order to place the geological events in the correct chronological order, and to assign their proper time spans. In practice, the application of geochronology is much wider because the data in the "natural archives" often provide information on the origin, genesis, and history of the materials. This, of course, requires an understanding of the geochemical behavior of the substances involved.

Analyzing Multivariate Data - Paul E. Green 1978

Single criterion, multiple predictor association; Multiple criterion, multiple predictor association; The analysis of interdependence.

The PC Engineer's Reference Book - Phil Croucher 1996