

Redes Neuronales Y Sistemas Borrosos Un Libro De Texto En

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Tratamiento borroso del intangible en la valoración de empresas de Internet -

Libros españoles en venta, ISBN - 1998

Ciencia y desarrollo - 1993

Bibliografía española - 2001-06

Mi historia la cuento Yo. - Aspasia 2016-01-15

Artificial Intelligence - Stuart Russell
2016-09-10

Artificial Intelligence: A Modern Approach offers the most comprehensive, up-to-date introduction to the theory and practice of artificial intelligence. Number one in its field, this textbook is ideal for one or two-semester, undergraduate or graduate-level courses in Artificial Intelligence.

Understanding the Brain: The Birth of a Learning Science - OECD 2007-06-12

This book provides new insights about learning by synthesising existing and emerging findings from cognitive and brain science.

The Book of Satoshi - Phil Champagne
2014-06-11

"Have you, like the rest of the world, speculated as to the identity of Satoshi Nakamoto, anonymous creator of Bitcoin? The world's first cryptocurrency, Bitcoin went online in 2009 and has since revolutionized our concepts of currency and money. Not supported by any

government or central bank, completely electronic, Bitcoin is a virtual currency based on advanced cryptographic systems. Like the currency he created, the identity of Bitcoin's creator Satoshi Nakamoto is virtual, existing only online. The Nakamoto persona, which may represent an individual or a group, exists only in the online publications that introduced and explained Bitcoin during its earliest days. Here, collected and professionally published for the first time are the essential writings that detail Bitcoin's creation. Included are: Satoshi Nakamoto Emails and Posts on Computer Forums Presented in Chronological Order; Bitcoin Fundamentals Presented in Layman's Terms; Bitcoin's Potential and Profound Economic Implications; The Seminal Paper Which Started It All. The Book of Satoshi provides a convenient way to parse through what Bitcoin's creator wrote over the span of the two years that constituted his "public life" before he disappeared from the Internet ... at least under the name Satoshi Nakamoto. Beginning on November 1st 2009 with the publication of the seminal paper describing Bitcoin, this public life ends at about the time PC World speculated as to a possible link between Bitcoin and WikiLeaks, the infamous website that publishes leaked classified materials. Was there a connection? You be the judge. Nakamoto's true identity may never be known. Therefore the writings reproduced here are probably all the world will ever hear from him concerning

Bitcoin's creation, workings, and theoretical basis. Want to learn more about Bitcoin? Go directly to the source - the writings of the creator himself, Satoshi Nakamoto!"--

Amazon.com viewed October 1, 2014.

Dialogicity in Written Specialised Genres - Luz Gil-Salom 2014-07-15

Dialogicity in Written Specialised Genres analyses how human beings intentionally establish a network of relations that contribute to the construction of discourse in different genres in academic, promotional and professional domains in English, Spanish and Italian. The chapters in the present volume investigate individual voices, both those assumed by the writer and those attributed to others, and how they act interpersonally and become explicit in the discourse. From a number of different research approaches, contributing authors focus on various textual components: self-mention, impersonation, attribution markers, engagement markers, attitude markers, boosters, hedges, reporting verbs, politeness strategies and citations. The collection is unusual in that it addresses these issues not only from the perspective of English, but also from that of Spanish and Italian. It thus represents a refreshing reassessment of the contrastive dimension in the study of voice and dialogic relations, taking into consideration language, specialised fields and genre. The volume will appeal to researchers interested in language as multidimensional dialogue, particularly with regard to different written specialised texts from different linguistic backgrounds. Novice writers may also find it of help in order to attain a greater understanding of the dialogic nature of writing.

Handbook of Machine Olfaction - Tim C. Pearce 2006-01-24

"Electronic noses" are instruments which mimic the sense of smell. Consisting of olfactory sensors and a suitable signal processing unit, they are able to detect and distinguish odors precisely and at low cost. This makes them very useful for a remarkable variety of applications in the food and pharmaceutical industry, in environmental control or clinical diagnostics and more. The scope covers biological and technical fundamentals and up-to-date research. Contributions by renowned international

scientists as well as application-oriented news from successful "e-nose" manufacturers give a well-rounded account of the topic, and this coverage from R&D to applications makes this book a must-have read for e-nose researchers, designers and users alike.

Thinking, Fast and Slow - Daniel Kahneman 2011-10-25

Major New York Times bestseller Winner of the National Academy of Sciences Best Book Award in 2012 Selected by the New York Times Book Review as one of the ten best books of 2011 A Globe and Mail Best Books of the Year 2011 Title One of The Economist's 2011 Books of the Year One of The Wall Street Journal's Best Nonfiction Books of the Year 2011 2013 Presidential Medal of Freedom Recipient Kahneman's work with Amos Tversky is the subject of Michael Lewis's The Undoing Project: A Friendship That Changed Our Minds In the international bestseller, Thinking, Fast and Slow, Daniel Kahneman, the renowned psychologist and winner of the Nobel Prize in Economics, takes us on a groundbreaking tour of the mind and explains the two systems that drive the way we think. System 1 is fast, intuitive, and emotional; System 2 is slower, more deliberative, and more logical. The impact of overconfidence on corporate strategies, the difficulties of predicting what will make us happy in the future, the profound effect of cognitive biases on everything from playing the stock market to planning our next vacation—each of these can be understood only by knowing how the two systems shape our judgments and decisions. Engaging the reader in a lively conversation about how we think, Kahneman reveals where we can and cannot trust our intuitions and how we can tap into the benefits of slow thinking. He offers practical and enlightening insights into how choices are made in both our business and our personal lives—and how we can use different techniques to guard against the mental glitches that often get us into trouble. Winner of the National Academy of Sciences Best Book Award and the Los Angeles Times Book Prize and selected by The New York Times Book Review as one of the ten best books of 2011, Thinking, Fast and Slow is destined to be a classic.

Elaboración de trabajos de investigación - Rebeca Landeau 2007

Modelo matemático y control de un sistema de fluidos - Paula Andrea Ortiz Valencia

2011-12-01

Este texto se convierte en una herramienta de consulta para docentes y estudiantes de las asignaturas de control automático, ya que muestra información sobre modelado de sistemas, estimación de parámetros, diseño de diferentes técnicas de control; con la ventaja de no ser un texto simplemente teórico, sino que los desarrollos se basan en una planta real usando datos experimentales. Adicionalmente, el libro es atractivo para esta clase de público, porque puede ser usado para el desarrollo de prácticas de laboratorio de la planta encontrada en las instalaciones del ITM..

Derivas de complejidad - Maldonado Castañeda, Carlos Eduardo 2012-09-19

La serie *Derivas de complejidad* está pensada como un mapa tridimensional en el que se aprecian valles y montañas, rugosidades y vecindarios. El mundo que estamos viviendo y el que viviremos en un futuro relativamente previsible exige del trabajo mancomunado y cruzado, a la vez que la puesta mani esta de su no linealidad, el cruce de dimensiones aparentemente inconmensurables, de lenguajes y herramientas que necesariamente tienen que ver con la existencia de fenómenos y comportamientos abiertos, y por ello mismo cargados de incertidumbre, turbulencias e inestabilidades. No hemos perdido las certezas y las verdades ganadas por la historia de la humanidad, la historia de la ciencia, la historia de la civilización y de las culturas.

Adicionalmente, hemos aprendido la incertidumbre, la no linealidad, las emergencias y la sorpresa, entre otros rasgos, elementos y características. Andar a la deriva, estar a la deriva, no es en absoluto -y ciertamente no de manera necesaria- un estado negativo. En nuestro caso, andar a la deriva signi ca reconocer que nos encontramos en estado de investigación, que es, con seguridad, la mejor de las condiciones de quienes pertenecemos a la comunidad científ ca y académica. El título grueso de aquello que investigamos es precisamente ese: la complejidad del mundo, la complejidad de la naturaleza, la complejidad de la sociedad, en n, la complejidad misma del conocimiento. Sin embargo, ¿qué es

complejidad? es justamente el tema, el hilo conductor de los capítulos que integran este libro.

The 5AM Club - Robin Sharma 2018-12-04

Legendary leadership and elite performance expert Robin Sharma introduced The 5am Club concept over twenty years ago, based on a revolutionary morning routine that has helped his clients maximize their productivity, activate their best health and bulletproof their serenity in this age of overwhelming complexity. Now, in this life-changing book, handcrafted by the author over a rigorous four-year period, you will discover the early-rising habit that has helped so many accomplish epic results while upgrading their happiness, helpfulness and feelings of aliveness. Through an enchanting—and often amusing—story about two struggling strangers who meet an eccentric tycoon who becomes their secret mentor, The 5am Club will walk you through: How great geniuses, business titans and the world’s wisest people start their mornings to produce astonishing achievements A little-known formula you can use instantly to wake up early feeling inspired, focused and flooded with a fiery drive to get the most out of each day A step-by-step method to protect the quietest hours of daybreak so you have time for exercise, self-renewal and personal growth A neuroscience-based practice proven to help make it easy to rise while most people are sleeping, giving you precious time for yourself to think, express your creativity and begin the day peacefully instead of being rushed “Insider-only” tactics to defend your gifts, talents and dreams against digital distraction and trivial diversions so you enjoy fortune, influence and a magnificent impact on the world Part manifesto for mastery, part playbook for genius-grade productivity and part companion for a life lived beautifully, The 5am Club is a work that will transform your life. Forever.

Libros españoles en venta - 1998

Perceptrons, Reissue of the 1988 Expanded Edition with a new foreword by Léon Bottou - Marvin Minsky 2017-09-22

The first systematic study of parallelism in computation by two pioneers in the field. Reissue of the 1988 Expanded Edition with a new foreword by Léon Bottou In 1969, ten years

after the discovery of the perceptron—which showed that a machine could be taught to perform certain tasks using examples—Marvin Minsky and Seymour Papert published *Perceptrons*, their analysis of the computational capabilities of perceptrons for specific tasks. As Léon Bottou writes in his foreword to this edition, “Their rigorous work and brilliant technique does not make the perceptron look very good.” Perhaps as a result, research turned away from the perceptron. Then the pendulum swung back, and machine learning became the fastest-growing field in computer science. Minsky and Papert's insistence on its theoretical foundations is newly relevant. *Perceptrons*—the first systematic study of parallelism in computation—marked a historic turn in artificial intelligence, returning to the idea that intelligence might emerge from the activity of networks of neuron-like entities. Minsky and Papert provided mathematical analysis that showed the limitations of a class of computing machines that could be considered as models of the brain. Minsky and Papert added a new chapter in 1987 in which they discuss the state of parallel computers, and note a central theoretical challenge: reaching a deeper understanding of how “objects” or “agents” with individuality can emerge in a network. Progress in this area would link connectionism with what the authors have called “society theories of mind.”

Mirrors in the Brain - Giacomo Rizzolatti 2008
When we witness a great actor, musician, or sportsperson performing, we share something of their experience. It becomes clear just how this sharing of experience is realized within the human brain. This text provides an accessible overview of mirror neurons, written by the man who first discovered them.

The Boy Who Was Raised as a Dog - Bruce D Perry 2017-08-29

In this classic work of developmental psychology, renowned psychiatrist and the co-author of the #1 New York Times bestseller *What Happened to You?* reveals how trauma affects children—and outlines the path to recovery. “Fascinating and upbeat.... Dr. Perry is both a world-class creative scientist and a compassionate therapist.” -Mary Pipher, PhD, author of *Reviving Ophelia* How does trauma

affect a child's mind—and how can that mind recover? Child psychiatrist Dr. Bruce D. Perry has helped children faced with unimaginable horror: genocide survivors, murder witnesses, kidnapped teenagers, and victims of family violence. In the classic *The Boy Who Was Raised as a Dog*, Dr. Perry tells their stories of trauma and transformation and shares their lessons of courage, humanity, and hope. Deftly combining unforgettable case histories with his own compassionate, insightful strategies for rehabilitation, Perry explains what happens to children's brain when they are exposed to extreme stress—and reveals the unexpected measures that can be taken to ease such pain and help them grow into healthy adults. Only when we understand the science of the mind and the power of love and nurturing can we hope to heal the spirit of even the most wounded child.

The Roots of Backpropagation - Paul John Werbos 1994-03-31

Now, for the first time, publication of the landmark work in backpropagation! Scientists, engineers, statisticians, operations researchers, and other investigators involved in neural networks have long sought direct access to Paul Werbos's groundbreaking, much-cited 1974 Harvard doctoral thesis, *The Roots of Backpropagation*, which laid the foundation of backpropagation. Now, with the publication of its full text, these practitioners can go straight to the original material and gain a deeper, practical understanding of this unique mathematical approach to social studies and related fields. In addition, Werbos has provided three more recent research papers, which were inspired by his original work, and a new guide to the field. Originally written for readers who lacked any knowledge of neural nets, *The Roots of Backpropagation* firmly established both its historical and continuing significance as it: * Demonstrates the ongoing value and new potential of backpropagation * Creates a wealth of sound mathematical tools useful across disciplines * Sets the stage for the emerging area of fast automatic differentiation * Describes new designs for forecasting and control which exploit backpropagation * Unifies concepts from Freud, Jung, biologists, and others into a new mathematical picture of the human mind and how it works * Certifies the

viability of Deutsch's model of nationalism as a predictive tool--as well as the utility of extensions of this central paradigm "What a delight it was to see Paul Werbos rediscover Freud's version of 'back-propagation.' Freud was adamant (in *The Project for a Scientific Psychology*) that selective learning could only take place if the presynaptic neuron was as influenced as is the postsynaptic neuron during excitation. Such activation of both sides of the contact barrier (Freud's name for the synapse) was accomplished by reducing synaptic resistance by the absorption of 'energy' at the synaptic membranes. Not bad for 1895! But Werbos 1993 is even better." --Karl H. Pribram Professor Emeritus, Stanford University

Beginning Artificial Intelligence with the Raspberry Pi - Donald J. Norris 2017-06-05

Gain a gentle introduction to the world of Artificial Intelligence (AI) using the Raspberry Pi as the computing platform. Most of the major AI topics will be explored, including expert systems, machine learning both shallow and deep, fuzzy logic control, and more! AI in action will be demonstrated using the Python language on the Raspberry Pi. The Prolog language will also be introduced and used to demonstrate fundamental AI concepts. In addition, the Wolfram language will be used as part of the deep machine learning demonstrations. A series of projects will walk you through how to implement AI concepts with the Raspberry Pi. Minimal expense is needed for the projects as only a few sensors and actuators will be required. Beginners and hobbyists can jump right in to creating AI projects with the Raspberry Pi using this book. What You'll Learn What AI is and—as importantly—what it is not Inference and expert systems Machine learning both shallow and deep Fuzzy logic and how to apply to an actual control system When AI might be appropriate to include in a system Constraints and limitations of the Raspberry Pi AI implementation Who This Book Is For Hobbyists, makers, engineers involved in designing autonomous systems and wanting to gain an education in fundamental AI concepts, and non-technical readers who want to understand what AI is and how it might affect their lives.

On Intelligence - Jeff Hawkins 2007-04-01

From the inventor of the PalmPilot comes a new and compelling theory of intelligence, brain function, and the future of intelligent machines Jeff Hawkins, the man who created the PalmPilot, Treo smart phone, and other handheld devices, has reshaped our relationship to computers. Now he stands ready to revolutionize both neuroscience and computing in one stroke, with a new understanding of intelligence itself. Hawkins develops a powerful theory of how the human brain works, explaining why computers are not intelligent and how, based on this new theory, we can finally build intelligent machines. The brain is not a computer, but a memory system that stores experiences in a way that reflects the true structure of the world, remembering sequences of events and their nested relationships and making predictions based on those memories. It is this memory-prediction system that forms the basis of intelligence, perception, creativity, and even consciousness. In an engaging style that will captivate audiences from the merely curious to the professional scientist, Hawkins shows how a clear understanding of how the brain works will make it possible for us to build intelligent machines, in silicon, that will exceed our human ability in surprising ways. Written with acclaimed science writer Sandra Blakeslee, *On Intelligence* promises to completely transfigure the possibilities of the technology age. It is a landmark book in its scope and clarity.

Teoría y práctica de la lectura y la escritura en el bachillerato - 2022-12-12

Teoría y práctica de la lectura y la escritura en el bachillerato. Libro y cuaderno de trabajo forma parte del programa de Lectura y Redacción. Tiene como propósito preparar a los escolares en el manejo de su lengua materna y, por lo tanto, surge de una perspectiva integral que invita al estudiante a poner en práctica las cuatro competencias lingüísticas: escuchar, hablar, leer y escribir. En particular, propone estrategias pedagógicas que fomentan las microhabilidades relacionadas con la comunicación escrita. Para acceder al mundo que nos rodea, aprender a descifrar el código lingüístico es tan indispensable como comprender unidades discursivas complejas. En este sentido, quienes participaron en la creación de este material reconocen la importancia de

enfrentar cualquier tipo de texto, desde una carta informal hasta un poema. Cada apartado está diseñado para agilizar la evaluación y para que el alumno redacte los ejercicios correspondientes a cada sección temática. La selección de contenidos en este libro refuerza los conocimientos lingüísticos que el estudiante ha revisado en distintos momentos de su vida académica y aportará otros que serán indispensables en el bachillerato universitario.

El futuro borroso o el cielo en un chip - Bart Kosko 2010-05-20

Desde la teoría del caos no había aparecido en la comunidad científica un concepto más explosivo que la lógica borrosa, una visión revolucionaria del mundo que conformará nuestras vidas en la era digital, desde la política y la genética hasta la tecnología y el arte. Este libro se inicia con una sucinta explicación de qué es y para qué se utiliza la lógica borrosa, para explorar luego cómo los distintos matices del gris, y no ya el blanco o el negro, cambiarán el modo en que votamos, pagamos impuestos o navegamos por Internet; cómo van a cambiar nuestras opiniones sobre el aborto, el arte, o los agujeros negros. Luego nos muestra cómo algún día podremos burlar a la muerte en la inmortalidad digital de un nanochip. Hoy en día, los filtros para navegar por Internet, las plantas de energía nuclear o el nuevo escarabajo de Volkswagen se basan ya totalmente en la lógica borrosa. Mañana quizá también nosotros mismos dependeremos de ella. «Bart Kosko escribe sobre el futuro borroso con una lucidez y un entusiasmo que hacen de este libro una delicia para el lector».

Emotional Intelligence - Daniel Goleman 1996
Is IQ destiny? Not nearly as much as we think. This fascinating and persuasive program argues that our view of human intelligence is far too narrow, ignoring a crucial range of abilities that matter immensely in terms of how we do in life. Drawing on groundbreaking brain and behavioral research, Daniel Goleman shows the factors at work when people of high IQ flounder and those of modest IQ do well. These factors add up to a different way of being smart -- one he terms "emotional intelligence." This includes self-awareness and impulse control, persistence, zeal and self-motivation, empathy and social deftness. These are the qualities that mark people who excel in life, whose relationships

flourish, who are stars in the workplace. Lack of emotional intelligence can sabotage the intellect and ruin careers. Perhaps the greatest toll is on children, for whom risks include depression, eating disorders, unwanted pregnancies, aggressiveness and crime. But the news is hopeful. Emotional intelligence is not fixed at birth, and the author shows how its vital qualities can be nurtured and strengthened in all of us. And because the emotional lessons a child learns actually sculpt the brain's circuitry, he provides guidance as to how parents and schools can best use this window of opportunity in childhood. The message of this eye-opening program is one we must take to heart: the true "bell curve" for a democracy must measure emotional intelligence

Redes neuronales y sistemas borrosos - Bonifacio Martín del Brío 2006

Los sistemas digitales de cómputo actuales presentan problemas al abordar tareas del mundo real, donde la información es masiva, redundante e imprecisa. Por ello, desde hace unos años se vienen proponiendo nuevos modelos de procesamiento inspirados en las soluciones encontradas por la naturaleza durante millones de años de evolución, que podrían ayudar a resolver importantes problemas tecnológicos como los de visión, habla, control e inteligencia artificial. De entre estos nuevos modelos destacan las redes neuronales artificiales, que imitan la estructura del cerebro para reproducir algunas de sus capacidades y aprenden a realizar tareas a partir de ejemplos. Por otro lado, los sistemas borrosos (fuzzy) emulan el razonamiento aproximado de nuestro cerebro, permitiendo manejar conceptos vagos e imprecisos como los empleados en la vida cotidiana. Ambos modelos, junto con otros como los algoritmos genéticos, se enmarcan en la denominada inteligencia computacional o soft computing, complementando disciplinas clásicas como el tratamiento de señal o la inteligencia artificial, aplicándose ya a problemas muy diversos como reconocimiento de caracteres, electrodomésticos inteligentes, procesamiento de imagen, predicción bursátil, etc. Este libro se dirige a todo aquel que esté interesado en iniciarse en estas cuestiones, especialmente estudiantes, docentes y personal de la empresa; el único requisito es contar con una mínima base

matemática, como la adquirida en estudios de ciencias, ingenierías o económicas. La primera edición (1997) fue el primer libro en español dedicado a ambos temas; desde entonces ha sido adoptado como texto de clase en diversas universidades españolas y americanas. En esta tercera edición (2006) se han actualizado algunos de sus capítulos y referencias bibliográficas, añadiéndose algunos modelos novedosos. "Redes Neuronales y Sistemas Borrosos supone una valiosa contribución a la literatura de la soft computing y de los sistemas neuroborrosos. Su fácil lectura, amplio tratamiento de ejemplos reales, y la gran competencia de los autores en la materia, hacen de este texto una importante fuente de información para todo aquel interesado en comprender y familiarizarse con las herramientas básicas que proporcionan las metodologías neuronales y borrosas. Los autores y la editorial merecen nuestro agradecimiento y aplauso". Prof. Lotfi A. Zadeh, catedrático emérito de la Universidad de California en Berkeley.

Autómatas Programables y Sistemas de Automatización - Enrique Mandado Pérez
2009-09-15

Este libro pretende transmitir al lector los conceptos tecnológicos ligados a los autómatas programables y su utilización para implementar sistemas de automatización. Para ello los autores, basándose en su experiencia en el diseño de sistemas de control y en la enseñanza de los mismos, han organizado el libro en cinco partes, además de en capítulos, para estructurar mejor los innumerables conceptos ligados a los sistemas de automatización. En el capítulo 1 de la parte 1 se estudian los conceptos generales asociados a los controladores lógicos y en la parte 2, formada por los capítulos 2 y 3, se describen el sistema de programación STEP7 y el sistema IEC1131-3, respectivamente. La parte 3 está formada por los capítulos 4, 5 y 6. El capítulo 4 analiza los principales conceptos de los sistemas electrónicos de control, como introducción al capítulo 5, dedicado a los métodos de diseño de sistemas de control lógico, y al capítulo 6 en el que se describen los sistemas de control de procesos continuos. La parte 4, formada por los capítulos 7, 8 y 9, está dedicada al entorno de los autómatas

programables del que forman parte los sensores industriales, los interfaces de conexión con el proceso y el usuario, y las Comunicaciones Industriales. La parte 5 incluye el capítulo 10, dedicado a estudiar la confiabilidad de los sistemas electrónicos de control en general y la de los autómatas programables en particular. Hay que resaltar también que, para que el libro sea autocontenido, se incluyen en él cinco apéndices. En el apéndice 1 se estudian los conceptos de las Comunicaciones Digitales necesarios para comprender las Comunicaciones Industriales. En los apéndices 3, 4 y 5 se describen, respectivamente, la red de sensores y actuadores AS-i, la red de control PROFIBUS y la red Ethernet Industrial Profinet. En el apéndice 5 se analizan los principales conceptos asociados a la garantía de funcionamiento o confiabilidad de los sistemas electrónicos en general, necesarios para comprender los sistemas electrónicos de control seguros ante averías y de elevada disponibilidad. Hay que destacar, además, los apéndices 6 y 7 y el índice alfabético en castellano e inglés, que tienen como objetivo concienciar al lector, por una parte, sobre la necesidad de conocer los términos ingleses y por otra, de crear términos en español. Se pretende de esta forma contribuir a la mentalización de los técnicos de habla hispana sobre la importancia económica del idioma común que hablamos en España y en Iberoamérica. Este libro no sólo va dirigido a los técnicos que se quieren especializar en el diseño de instalaciones de control industrial, sino también a los técnicos especializados en las diferentes áreas de la ingeniería, como por ejemplo la mecánica, la generación y distribución de energía eléctrica, la química, etc., que necesitan conocer los fundamentos de los sistemas electrónicos de control y sus aplicaciones.

Deep Learning: teoría y aplicaciones - Jesús Alfonso López Sotelo 2023-02-22

Deep Learning es, en gran medida, el causante de la revolución actual en el campo de la inteligencia artificial. Podría parecer una tecnología nueva, sin embargo, es esencialmente la evolución de las redes neuronales artificiales, que tienen más de 60 años en el área de la inteligencia artificial. Si desea conocer el desarrollo de Deep Learning desde su origen, este es el libro indicado. Deep Learning, teorías

y aplicaciones se ha concebido para dar una introducción general, incluyendo un barrido histórico por los progresos que dieron origen a esta tecnología. Parte de las redes neuronales clásicas como las monocapa y sigue por las superficiales hasta llegar a las profundas, como las redes neuronales convolucionales, ampliamente usadas en aplicaciones de procesamiento de imágenes. Además, este libro hace un balance entre el contenido teórico y práctico. La parte conceptual le será útil para aproximarse a los conceptos teóricos básicos más relevantes. La parte experimental le servirá como apoyo a una aproximación práctica a esta tecnología, y lo logrará por medio de ejemplos resueltos sobre problemas reales en Deep Learning. Asimismo, para el componente práctico, se utilizan herramientas de amplio uso en la comunidad académica como el sistema de prototipado electrónico rápido Arduino y el software de simulación Matlab, por lo que gracias a esta lectura estará al día de las últimas tendencias tecnológicas.

III Jornada de Investigación y Postgrado - Parejo Matos, A. 2016-12-19

No se ha introducido texto.

Redes neuronales y sistemas borrosos - Bonifacio Martín del Brío 2007

Physiology of Behavior - Neil R. Carlson 2013
This revised edition incorporates the latest discoveries in the rapidly changing fields of neuroscience and physiological psychology and offers the most comprehensive and integrative coverage of research and theory in contemporary behavioural neuroscience.

Biopsychology [RENTAL EDITION] - John P. J. Pinel 2019-06-30

LEV - 1999

Neural Networks and Deep Learning - Charu C. Aggarwal 2018-08-25

This book covers both classical and modern models in deep learning. The primary focus is on the theory and algorithms of deep learning. The theory and algorithms of neural networks are particularly important for understanding important concepts, so that one can understand the important design concepts of neural architectures in different applications. Why do

neural networks work? When do they work better than off-the-shelf machine-learning models? When is depth useful? Why is training neural networks so hard? What are the pitfalls? The book is also rich in discussing different applications in order to give the practitioner a flavor of how neural architectures are designed for different types of problems. Applications associated with many different areas like recommender systems, machine translation, image captioning, image classification, reinforcement-learning based gaming, and text analytics are covered. The chapters of this book span three categories: The basics of neural networks: Many traditional machine learning models can be understood as special cases of neural networks. An emphasis is placed in the first two chapters on understanding the relationship between traditional machine learning and neural networks. Support vector machines, linear/logistic regression, singular value decomposition, matrix factorization, and recommender systems are shown to be special cases of neural networks. These methods are studied together with recent feature engineering methods like word2vec. Fundamentals of neural networks: A detailed discussion of training and regularization is provided in Chapters 3 and 4. Chapters 5 and 6 present radial-basis function (RBF) networks and restricted Boltzmann machines. Advanced topics in neural networks: Chapters 7 and 8 discuss recurrent neural networks and convolutional neural networks. Several advanced topics like deep reinforcement learning, neural Turing machines, Kohonen self-organizing maps, and generative adversarial networks are introduced in Chapters 9 and 10. The book is written for graduate students, researchers, and practitioners. Numerous exercises are available along with a solution manual to aid in classroom teaching. Where possible, an application-centric view is highlighted in order to provide an understanding of the practical uses of each class of techniques.

Steps to an Ecology of Mind - Gregory Bateson 2000
Gregory Bateson was a philosopher, anthropologist, photographer, naturalist, and poet, as well as the husband and collaborator of Margaret Mead. This classic anthology of his major work includes a new Foreword by his

daughter, Mary Katherine Bateson. 5 line drawings.

Elevadores: principios e innovaciones - Emilio Larrodé Pellicer 2012-01-01

Hoy en día todas las edificaciones están condicionadas por el ascensor, el montacargas, la escalera mecánica y el andén, por lo que el transporte vertical es actualmente, sin duda, un tema de vital importancia. Si bien existen libros clásicos sobre el tema, algunos se centran en el funcionamiento del dispositivo pero apenas citan sus componentes mecánicos, mientras que otros se especializan en el cálculo pero son incompletos en cuanto al diseño y la normativa. En esta obra, los autores muestran los aspectos del cálculo y diseño de los elementos que componen cada elevador y explican el funcionamiento de los mecanismos poniendo énfasis en la normativa vigente desde el punto de vista de seguridad, funcionamiento y dimensiones. En esta edición se han incorporado numerosos problemas y ejemplos prácticos que muestran de forma sencilla el desarrollo numérico asociado a cada uno de los aspectos de diseño y funcionamiento de los elevadores.

Anthropology of the Brain - Roger Bartra 2014-06-05

In this unique exploration of the mysteries of the human brain, Roger Bartra shows that consciousness is a phenomenon that occurs not only in the mind but also in an external network, a symbolic system. He argues that the symbolic systems created by humans in art, language, in cooking or in dress, are the key to understanding human consciousness. Placing culture at the centre of his analysis, Bartra brings together findings from anthropology and cognitive science and offers an original vision of the continuity between the brain and its symbolic environment. The book is essential reading for neurologists, cognitive scientists and anthropologists alike.

A User's Guide to the Brain - John J. Ratey, M.D. 2002-01-08

John Ratey, bestselling author and clinical professor of psychiatry at Harvard Medical School, lucidly explains the human brain's workings, and paves the way for a better understanding of how the brain affects who we are. Ratey provides insight into the basic structure and chemistry of the brain, and

demonstrates how its systems shape our perceptions, emotions, and behavior. By giving us a greater understanding of how the brain responds to the guidance of its user, he provides us with knowledge that can enable us to improve our lives. In *A User's Guide to the Brain*, Ratey clearly and succinctly surveys what scientists now know about the brain and how we use it. He looks at the brain as a malleable organ capable of improvement and change, like any muscle, and examines the way specific motor functions might be applied to overcome neural disorders ranging from everyday shyness to autism.

Drawing on examples from his practice and from everyday life, Ratey illustrates that the most important lesson we can learn about our brains is how to use them to their maximum potential.

Ten Arguments for Deleting Your Social Media Accounts Right Now - Jaron Lanier 2018-05-29

"You might have trouble imagining life without your social media accounts, but virtual reality pioneer Jaron Lanier insists that we're better off without them. In *Ten Arguments for Deleting Your Social Media Accounts Right Now*, Lanier, who participates in no social media, offers powerful and personal reasons for all of us to leave these dangerous online platforms"--

Control neuronal y difuso para sistemas fotovoltaicos - Carlos Arturo, Robles Algarín 2022-08-18

En esta obra se encuentran consignados muchos años de experiencia de los autores en el desarrollo de controladores inteligentes basados en redes neuronales y lógica difusa para el seguimiento del punto de máxima potencia de sistemas fotovoltaicos. Entendiendo la importancia de las técnicas de control inteligente y su aplicación en problemas prácticos, los autores a lo largo del libro presentan los conceptos básicos de los controladores implementados y su proceso de diseño en detalle. Estos controladores fueron evaluados en sistemas fotovoltaicos aislados de la red eléctrica, utilizando MATLAB como herramienta de modelado y simulación.

Inicialmente, se presenta el modelado matemático del módulo fotovoltaico utilizado para diversos escenarios de simulación. Luego, se presenta el diseño y modelado de convertidores DC-DC necesarios para transferir la energía generada por el módulo fotovoltaico a

una carga. Finalmente, se expone el diseño, diagramas de flujo y modelado de los controladores difusos y neuronales dinámicos con diferentes algoritmos de entrenamiento. Los resultados obtenidos demuestran la relevancia de esta obra, considerando las mejoras

obtenidas con los controladores inteligentes en aspectos como el tiempo de establecimiento, seguimiento del punto de máxima potencia, disminución considerable de las oscilaciones y mejoras en la eficiencia y potencia suministrada a la carga.