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Critical Thinking 2020-04-07

an insightful guide to the practice teaching and history of critical thinking from aristotle and plato to thomas dewey for teachers students and anyone looking to hone their critical thinking skills critical thinking is regularly cited as an essential 21st century skill the key to success in school and work given the propensity to believe fake news draw incorrect conclusions and make decisions based on emotion rather than reason it might even be said that critical thinking is vital to the survival of a democratic society but what exactly is critical thinking jonathan haber explains how the concept of critical thinking emerged how it has been defined and how critical thinking skills can be taught and assessed haber describes the term s origins in such disciplines as philosophy psychology and science he examines the components of critical thinking including structured thinking language skills background knowledge information literacy intellectual humility empathy and open mindedness haber argues that the most important critical thinking issue today is that not enough people are doing enough of it fortunately critical thinking can be taught practiced and evaluated this book offers a guide for teachers students and aspiring critical thinkers everywhere including advice for educational leaders and policy makers on how to make the teaching and learning of critical thinking an educational priority and practical reality

Algorithms 2020-08-18

in the tradition of real world algorithms a beginner s guide panos louridas is back to introduce algorithms in an accessible manner utilizing various examples to explain not just what algorithms are but how they work digital technology runs on algorithms sets of instructions that describe how to do something efficiently application areas range from search engines to tournament scheduling dna sequencing and machine learning arguing that every educated person today needs to have some understanding of algorithms and what they do in this volume in the mit press essential knowledge series panos louridas offers an introduction to algorithms that is accessible to the nonspecialist reader louridas explains not just what algorithms are but also how they work offering a wide range of examples and keeping mathematics to a minimum

2021-04

Deep Learning 2019

python tensorflow2 pytorch keras pytorch

TensorFlow2/PyTorch NumPy/TensorFlow2(Keras)/PyTorch 2021-03-01

1 sns

2021-10-12

a concise introduction to the emerging field of data science explaining its evolution relation to machine learning current uses data infrastructure issues and ethical challenges the goal of

data science is to improve decision making through the analysis of data today data science determines the ads we see online the books and movies that are recommended to us online which emails are filtered into our spam folders and even how much we pay for health insurance this volume in the mit press essential knowledge series offers a concise introduction to the emerging field of data science explaining its evolution current uses data infrastructure issues and ethical challenges it has never been easier for organizations to gather store and process data use of data science is driven by the rise of big data and social media the development of high performance computing and the emergence of such powerful methods for data analysis and modeling as deep learning data science encompasses a set of principles problem definitions algorithms and processes for extracting non obvious and useful patterns from large datasets it is closely related to the fields of data mining and machine learning but broader in scope this book offers a brief history of the field introduces fundamental data concepts and describes the stages in a data science project it considers data infrastructure and the challenges posed by integrating data from multiple sources introduces the basics of machine learning and discusses how to link machine learning expertise with real world problems the book also reviews ethical and legal issues developments in data regulation and computational approaches to preserving privacy finally it considers the future impact of data science and offers principles for success in data science projects

Data Science 2018-04-13

本書介紹了數據科學的現狀和未來，以及數據科學在各行各業中的應用。本書涵蓋了數據科學的基礎知識，包括數據採集、數據清洗、數據分析、數據建模和數據可視化。本書還介紹了機器學習、深度學習和神經網絡等先進技術。本書適合數據科學的初學者和從業人員閱讀。

本書 2015-04-07

本書介紹了數據科學的基礎知識，包括數據採集、數據清洗、數據分析、數據建模和數據可視化。本書還介紹了機器學習、深度學習和神經網絡等先進技術。本書適合數據科學的初學者和從業人員閱讀。

本書 2006-11-10

本書介紹了數據科學的基礎知識，包括數據採集、數據清洗、數據分析、數據建模和數據可視化。本書還介紹了機器學習、深度學習和神經網絡等先進技術。本書適合數據科學的初學者和從業人員閱讀。

本書 2021-09-07

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本書 2008-07

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本書 2021-06

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1997 sum product kdd2003 srl2009 imls machine learning sigkdd innovation award ijcai john mccarthy award 1994 1994 2001 c m 2019 ai elsi perspective

2021-04-23

an exploration of quantum entanglement and the ways in which it contradicts our everyday assumptions about the ultimate nature of reality quantum physics is notable for its brazen defiance of common sense think of schrödinger s cat famously both dead and alive an especially rigorous form of quantum contradiction occurs in experiments with entangled particles our common assumption is that objects have properties whether or not anyone is observing them and the measurement of one can t affect the other quantum entanglement called by einstein spooky action at a distance rejects this assumption offering impeccable reasoning and irrefutable evidence of the opposite is quantum entanglement mystical or just mystifying in this volume in the mit press essential knowledge series jed brody equips readers to decide for themselves he explains how our commonsense assumptions impose constraints from which entangled particles break free brody explores such concepts as local realism bell s inequality polarization time dilation and special relativity he introduces readers to imaginary physicists alice and bob and their photon analyses points out that it s easier to reject falsehood than establish the truth and reports that some physicists explain entanglement by arguing that we live in a cross section of a higher dimensional reality he examines a variety of viewpoints held by physicists including quantum decoherence niels bohr s copenhagen interpretation genuine fortuitousness and qbism this relatively recent interpretation an abbreviation of quantum bayesianism holds that there s no such thing as an absolutely accurate objective probability out there that quantum mechanical probabilities are subjective judgments and there s no action at a distance spooky or otherwise

Quantum Entanglement 2020-02-18

eichhorn s eks book will unpack the idea of content whose emergence reflects a major shift in the way cultural products are produced and consumed with far reaching implications for society

Content 2022

2021-04

2021-08-20

an introduction to paradoxes showing that they are more than mere puzzles but can prompt new ways of thinking thinkers have been fascinated by paradox since long before aristotle grappled with zeno s in this volume in the mit press essential knowledge series margaret cuonzo explores paradoxes and the strategies used to solve them she finds that paradoxes are more than mere puzzles but can prompt new ways of thinking a paradox can be defined as a set of mutually inconsistent claims each of which seems true paradoxes emerge not just in salons and ivory towers but in everyday life an internet search for paradox brings forth a picture of an ashtray with a no smoking symbol inscribed on it proposing solutions cuonzo writes is a natural response to paradoxes she invites us to rethink paradoxes by focusing on strategies for solving them arguing that there is much to be learned from this regardless of whether any of the more powerful paradoxes is even capable of solution cuonzo offers a catalog of paradox solving strategies including the preemptive strike questioning the paradox itself the odd guy out calling one of the assumptions into question and the you can t get there from here denying the validity of the reasoning she argues that certain types of solutions

work better in some contexts than others and that as paradoxicality increases the success of certain strategies grows more unlikely. Cuonzo shows that the processes of paradox generation and solution proposal are interesting and important ones. Discovering a paradox leads to advances in knowledge. New science often stems from attempts to solve paradoxes and the concepts used in the new sciences lead to new paradoxes. As Niels Bohr wrote, how wonderful that we have met with a paradox now we have some hope of making progress.

Paradox 2014-02-14

Everything we need to know about metadata, the usually invisible infrastructure for information with which we interact every day, when metadata became breaking news appearing in stories about surveillance by the National Security Agency. Many members of the public encountered this once obscure term from information science for the first time. Should people be reassured that the NSA was only collecting metadata about phone calls—information about the caller, the recipient, the time, the duration, the location, and not recordings of the conversations themselves—or does phone call metadata reveal more than it seems? In this book, Jeffrey Pomerantz offers an accessible and concise introduction to metadata in the era of ubiquitous computing. Metadata has become infrastructural, like the electrical grid or the highway system; we interact with it or generate it every day. It is not, Pomerantz tells us, just data about data; it is a means by which the complexity of an object is represented in a simpler form. For example, the title, the author, and the cover art are metadata about a book. When metadata does its job well, it fades into the background. Everyone except perhaps the NSA takes it for granted. Pomerantz explains what metadata is and why it exists. He distinguishes among different types of metadata: descriptive, administrative, structural, preservation, and use, and examines different users and uses of each type. He discusses the technologies that make modern metadata possible and he speculates about metadata's future. By the end of the book, readers will see metadata everywhere because Pomerantz warns us: it's metadata's world and we are just living in it.

Metadata 2015-11-06

Advanced Practice Nursing: Essential Knowledge for the Profession, fourth edition, is a core advanced practice text used in both master's level and DNP programs.

Advanced Practice Nursing: Essential Knowledge for the Profession 2019-10-11

netflix

Science Fiction 2021

An overview of how science fiction has grappled with the ways that science and technology shape and change human lives, emphasizing the challenges of the 21st century.

Science Fiction 2021

First multi-year cumulation covers six years, 1965-70.

National Library of Medicine Current Catalog 1971

By concentrating on the basic principles, the average player is not only given a working knowledge of the endgame but also a firm foundation on which to further develop his or her interest and technique. In this fascinating stage of a chess game, the author, a Russian grandmaster and endgame expert, takes the reader from the most elementary checkmates through the exploitation of positional and material advantage right up to the analysis of actual endings. From Master Play 5/3/4 x 8/1/4. 116 pages, illustrations.

Virtual Reality 2019

whether you are a senior executive or a project manager its your job to help your organization grow and increase its value to stakeholders project management is the unique organizational competency that manages change and drives competitive advantage with the outcome of delivering results in line with corporate strategy a guide to the project management body of knowledge pmbok guide third edition is the map to get you there in 1983 project management institute pmi volunteers first sat down to distill the project management body of knowledge today the pmbok guide has become a global standard for the project management profession and is one of the best most versatile documents available across major industries it contains the fundamental baseline practices that drive business results for any organization the third edition has been updated to reflect the most current industry knowledge and practices one of the most important changes is the evolution from generally accepted on most projects most of the time to generally recognized as good practice on most projects most of the time several chapters have been updated rewritten or expanded to include the most current and pressing information facing project managers today it also includes an expanded index and glossary the pmbok guidethird edition reflects the collaboration and knowledge of project management leaders who deliver business results successful project management is a constant advantage in the dynamic nature of todays organizations companies non profits and government agencies around the world are turning to project management to achieve corporate strategic objectives as recognition of the value of projectmanagement continues to grow the pmbok guide will b

Chess Endings 1993

a concise and accessible introduction to phenomenology which investigates the experience of experience this volume in the mit press essential knowledge series offers a concise and accessible introduction to phenomenology a philosophical movement that investigates the experience of experience founded by edmund husserl 1859 1938 and expounded by max scheler martin heidegger maurice merleau ponty and others phenomenology ventures forth into the field of experience so that truth might be met in the flesh it investigates everything as experienced it does not study mere appearance but the true appearances of things holding that the unfolding of experience allows us to sort true appearances from mere appearance the book unpacks a series of terms world flesh speech life truth love and wonder all of which are bound up with each other in experience for example world is where experience takes place flesh names the way our experiential exploration is inscribed into the bearings of our bodily being speech is instituted in bodily presence truth concerns the way our claims about things are confirmed by our experience a chapter on the phenomenological method describes it as a means of clarifying the modality of experience that is written into its very fabric and a chapter on the phenomenological movement bridges its divisions while responding to criticisms from analytic philosophy and postmodernism

PMBOK 2004-12

sql

Phenomenology 2020-08-04

why surrounded by screens and smart devices we feel a deep connection to the analog vinyl records fountain pens kodak film and other nondigital tools we re surrounded by screens our music comes in the form of digital files we tap words into a notes app why do we still crave the realness of analog seeking out vinyl records fountain pens cameras with film in this volume in the mit press essential knowledge series robert hassan explores our deep connection to analog technology our analog urge he explains is about what we ve lost from our technological past something that s not there in our digital present we re nostalgic for what we remember indistinctly as somehow more real more human surveying some of the major developments of analog technology hassan shows us what s been lost with the digital along the way he discusses the appeal of the 2011 silent black and white oscar winning film the artist the revival of the non e book book the early mechanical clocks that enforced prayer and worship times and the programmable loom he describes the effect of the typewriter on nietzsche s productivity the pivotal invention of the telegraph and the popularity of the first

televisions despite their iffy picture quality the transition to digital is marked by the downgrading of human participation in the human technology relationship we have unwittingly unmoored ourselves hassan warns from the anchors of analog technology and the natural world our analog nostalgia is for those ancient aspects of who and what we are

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how the future has been imagined and made through the work of writers artists inventors and designers the future is like an unwritten book it is not something we see in a crystal ball or can only hope to predict like the weather in this volume of the mit press s essential knowledge series nick montfort argues that the future is something to be made not predicted montfort offers what he considers essential knowledge about the future as seen in the work of writers artists inventors and designers mainly in western culture who developed and described the core components of the futures they envisioned montfort s approach is not that of futurology or scenario planning instead he reports on the work of making the future the thinkers who devoted themselves to writing pages in the unwritten book douglas engelbart alan kay and ted nelson didn t predict the future of computing for instance they were three of the people who made it montfort focuses on how the development of technologies with an emphasis on digital technologies has been bound up with ideas about the future readers learn about kitchens of the future and the vision behind them literary utopias from plato s republic to edward bellamy s looking backward and charlotte perkins gilman s herland the futurama exhibit at the 1939 new york world s fair and what led up to tim berners lee s invention of the world wide montfort describes the notebook computer as a human centered alterative to the idea of the computer as a room sized giant brain speculative practice in design and science fiction and throughout the best ways to imagine and build the future

Analog 2023-01-03

The Future 2017-12-08

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