

Artificial Intelligence: Made Easy W/ Ruby Programming; Learn To Create Your * Problem Solving * Algorithms! TODAY! W/ Machine Learning Data Engineering, R Programming, IOS Development)

In this book, the author examines the ethical implications of Artificial Intelligence systems as they integrate and replace traditional social structures in new sociocognitive-technological environments. She discusses issues related to the integrity of researchers, technologists, and manufacturers as they design, construct, use, and manage artificially intelligent systems; formalisms for reasoning about moral decisions as part of the behavior of artificial autonomous systems such as agents and robots; and design methodologies for social agents based on societal, moral, and legal values. Throughout the book the author discusses related work, conscious of both classical, philosophical treatments of ethical issues and the implications in modern, algorithmic systems, and she combines regular references and footnotes with suggestions for further reading. This short overview is suitable for undergraduate students, in both technical and non-technical courses, and for interested and concerned researchers, practitioners, and citizens.

Design the MIND of a Robotic Thinker! " This book will help you get started with this exciting language and gives you an idea of what is possible. " - Melchizedek B, from Amazon.com " The examples it uses are easy to follow and the illustrations bring out the more complex aspects while making them simple. " - C. Brant, from Amazon.com " Such a cool book that covers basic Javascript programming then incorporates tools and components to explore Artificial Intelligence. " - M. Gavel, from Amazon.com " * INCLUDED BONUS: a Quick-start guide to Learning Javascript in less than a Day! " * How would you like to Create the Next SIRI? Artificial Intelligence. One of the most brilliant creations of mankind. No longer a sci-fi fantasy, but a realistic approach to making work more efficient and lives easier.And the best news? It's not that complicated after all Does it require THAT much advanced math? NO!And are you paying THOUSANDS of dollars just to learn this information? NO!Hundreds? Not even close. Within this book's pages, you'll find GREAT coding skills to learn - and more. Just some of the questions and topics include: - Complicated scheduling problem? Here's how to solve it. - How good are your AI algorithms? Analysis for Efficiency- How to interpret a system into logical code for the AI- How would an AI system would diagnose a system? We show you....- Getting an AI agent to solve problems for youand Much, much more!World-Class TrainingThis book breaks your training down into easy-to-understand modules. It starts from the very essentials of algorithms and program procedures, so you can write great code - even as a beginner!

Design the MIND of a Robotic Thinker! " If you have any interest in AI or programming, this book is a good start. It is really a solid guide and I have to recommend it. " - Sanjin, from Amazon.com " The author did a great job. It's essentially a guide for everybody, who studying artificial intelligence or just interested in programming. " - Irvin J. Hoch, from Amazon.com " Props for the author for coming up with a lay man's illustration regarding swift programming to create AI. " - Lucinda, from Amazon.com " * INCLUDED BONUS: a Quick-start guide to Learning Swift in less than a Day! " * How would you like to Create the Next SIRI? Artificial Intelligence. One of the most brilliant creations of mankind. No longer a sci-fi fantasy, but a realistic approach to making work more efficient and lives easier.And the best news? It's not that complicated after all Does it require THAT much advanced math? NO!And are you paying THOUSANDS of dollars just to learn this information? NO!Hundreds? Not even close. Within this book's pages, you'll find GREAT coding skills to learn - and more. Just some of the questions and topics include: - Complicated scheduling problem? Here's how to solve it. - How good are your AI algorithms? Analysis for Efficiency- How to interpret a system into logical code for the AI- How would an AI system would diagnose a system? We show you....- Getting an AI agent to solve problems for youand Much, much more!World-Class TrainingThis book breaks your training down into easy-to-understand modules. It starts from the very essentials of algorithms and program procedures, so you can write great code - even as a beginner!

This book presents a unique, understandable view of machine learning using many practical examples and access to free professional software and open source code. The user-friendly software can immediately be used to apply everything you learn in the book without the need for programming. After an introduction to machine learning and artificial intelligence, the chapters in Part II present deeper explanations of machine learning algorithms, performance evaluation of machine learning models, and how to consider data in machine learning environments. In Part III the author explains automatic speech recognition, and in Part IV biometrics recognition, face- and speaker-recognition. By Part V the author can then explain machine learning by example, he offers cases from real-world applications, problems, and techniques, such as anomaly detection and root cause analyses, business process improvement, detecting and predicting diseases, recommendation AI, several engineering applications, predictive maintenance, automatically classifying datasets, dimensionality reduction, and image recognition. Finally, in Part VI he offers a detailed explanation of the AI-TOOLKIT, software he developed that allows the reader to test and study the examples in the book and the application of machine learning in professional environments. The author introduces core machine learning concepts and supports these with practical examples of their use, so professionals will appreciate his approach and use the book for self-study. It will also be useful as a supplementary resource for advanced undergraduate and graduate courses on machine learning and artificial intelligence.

Step-by-Step Guide from Beginner to Expert

The Application of Artificial Intelligence

and its impact on society

ARTIFICIAL INTELLIGENCE

A Five-Stage Road Map to Implementing Artificial Intelligence in Marketing

Javascript Artificial Intelligence

A hands-on, application-based introduction to machine learning and artificial intelligence (AI). Create compelling AI-powered games and applications using the Scratch programming language. AI Made Easy with 13 Projects Machine learning (also known as ML) is one of the building blocks of AI, or artificial intelligence. AI is based on the idea that computers can learn on their own, with your help. Machine Learning for Kids will introduce you to machine learning, painlessly. With this book and its free, Scratch-based companion website, you'll see how easy it is to add machine learning to your own projects. You don't even need to know how to code! Step by easy step, you'll discover how machine learning systems can be taught to recognize text, images, numbers, and sounds, and how to train your models to improve them. You'll turn your models into 13 fun computer games and apps, including: • A Rock, Paper, Scissors game that recognizes your hand shapes • A computer character that reacts to insults and compliments • An interactive virtual assistant (like Siri or Alexa) • A movie recommendation app • An AI version of Pac-Man There's no experience required and step-by-step instructions make sure that anyone can follow along! No Experience Necessary! Ages 12+

The use of mathematical logic as a formalism for artificial intelligence was recognized by John McCarthy in 1959 in his paper on Programs with Common Sense. In a series of papers in the 1960's he expanded upon these ideas and continues to do so to this date. It is now 41 years since the idea of using a formal mechanism for AI arose. It is therefore appropriate to consider some of the research, applications and implementations that have resulted from this idea. In early 1995 John McCarthy suggested to me that we have a workshop on Logic-Based Artificial Intelligence (LBAI). In June 1999, the Workshop on Logic-Based Artificial Intelligence was held as a consequence of McCarthy's suggestion. The workshop came about with the support of Ephraim Glinert of the National Science Foundation (IIS-9S2013S), the American Association for Artificial Intelligence who provided support for graduate students to attend, and Joseph JaJa, Director of the University of Maryland Institute for Advanced Computer Studies who provided both manpower and financial support, and the Department of Computer Science. We are grateful for their support. This book consists of refereed papers based on presentations made at the Workshop. Not all of the Workshop participants were able to contribute papers for the book. The common theme of papers at the workshop and in this book is the use of logic as a formalism to solve problems in AI.

Introduces artificial intelligence, what it can do, myths about it, and ways it may expand in the future.

This book provides a single source of information on three major bioengineering areas: engineering at the cellular and molecular level; biomedical devices / instrument engineering; and data engineering.

It explores the latest strategies that are essential to advancing our understanding of the mechanisms of human diseases, the development of new enzyme-based technologies, diagnostics, prosthetics, high-performance computing platforms for managing huge amounts of biological data, and the use of deep learning methods to create predictive models. The book also highlights the growing importance of integrating chemistry into life sciences research, most notably concerning the development and evaluation of nanomaterials and nanoparticles and their interactions with biological material. The underlying interdisciplinary theme of bioengineering is addressed in a range of multifaceted applications and worked out examples provided in each chapter.

Artificial Intelligence Made Easy W/ Essential Javascript Programming

Hands-On Artificial Intelligence with Java for Beginners

How to Compete and Win with Artificial Intelligence

17th European Conference, JELIA 2021, Virtual Event, May 17-20, 2021, Proceedings

Artificial Intelligence for Business

16th European Conference, JELIA 2019, Rende, Italy, May 7-11, 2019, Proceedings

An Intuitive Step by Step Blueprint for Beginners

This book constitutes the proceedings of the 17th European Conference on Logics in Artificial Intelligence, JELIA 2021, held as a virtual event, in May 2021. The 27 full papers and 3 short papers included in this volume were carefully reviewed and selected from 68 submissions.

The accepted papers span a number of areas within Logics in AI, including: argumentation; belief revision; reasoning about actions, causality, and change; constraint satisfaction; description logics and ontological reasoning; non-classical logics; and logic programming (answer set programming).

Build, train, and deploy intelligent applications using Java libraries Key Features Leverage the power of Java libraries to build smart applications Build and train deep learning models for implementing artificial intelligence Learn various algorithms to automate complex tasks Book Description Artificial intelligence (AI) is increasingly in demand as well as relevant in the modern world, where everything is driven by technology and data. AI can be used for automating systems or processes to carry out complex tasks and functions in order to achieve optimal performance and productivity. Hands-On Artificial Intelligence with Java for Beginners begins by introducing you to AI concepts and algorithms. You will learn about various Java-based libraries and frameworks that can be used in implementing AI to build smart applications. In addition to this, the book teaches you how to implement easy to complex AI tasks, such as genetic programming, heuristic searches, reinforcement learning, neural networks, and segmentation, all with a practical approach. By the end of this book, you will not only have a solid grasp of AI concepts, but you'll also be able to build your own smart applications for multiple domains. What you will learn Leverage different Java packages and tools such as Weka, RapidMiner, and Deeplearning4j, among others Build machine learning models using supervised and unsupervised machine learning techniques Implement different deep learning algorithms in Deeplearning4j and build applications based on them Study the basics of heuristic searching and genetic programming Differentiate between syntactic and semantic similarity among texts Perform sentiment analysis for effective decision making with LingPipe Who this book is for Hands-On Artificial Intelligence with Java for Beginners is for Java developers who want to learn the fundamentals of artificial intelligence and extend their programming knowledge to build smarter applications.

Artificial Intelligence for Business: A Roadmap for Getting Started with AI will provide the reader with an easy to understand roadmap for how to take an organization through the adoption of AI technology. It will first help with the identification of which business problems and opportunities are right for AI and how to prioritize them to maximize the likelihood of success. Specific methodologies are introduced to help with finding critical training data within an organization and how to fill data gaps if they exist. With data in hand, a scoped prototype can be built to limit risk and provide tangible value to the organization as a whole to justify further investment. Finally, a production level AI system can be developed with best practices to ensure quality with not only the application code, but also the AI models. Finally, with this particular AI adoption journey at an end, the authors will show that there is additional value to be gained by iterating on this AI adoption lifecycle and improving other parts of the organization.

Finally, A Blueprint for Machine Learning with R! Machine Learning Made Easy with R offers a practical tutorial that uses hands-on examples to step through real-world applications using clear and practical case studies. Through this process it takes you on a gentle, fun and unhurried journey to creating machine learning models with R. Whether you are new to data science or a veteran, this book offers a powerful set of tools for quickly and easily gaining insight from your data using R. NO EXPERIENCE REQUIRED: This book uses plain language rather than a ton of equations; I'm assuming you never did like linear algebra, don't want to see things derived, dislike complicated computer code, and you're here because you want to try successful machine learning algorithms for yourself. YOUR PERSONAL BLUE PRINT: Through a simple to follow intuitive step by step process, you will learn how to use the most popular machine learning algorithms using R. Once you have mastered the process, it will be easy for you to translate your knowledge to assess your own data. THIS BOOK IS FOR YOU IF YOU WANT: Focus on explanations rather than mathematical derivation Practical illustrations that use real data. Illustrations to deepen your understanding. Worked examples in R you can easily follow and immediately implement. Ideas you can actually use and try on your own data. TAKE THE SHORTCUT: This guide was written for people just like you. Individuals who want to get up to speed as quickly as possible. to: YOU'LL LEARN HOW TO: Unleash the power of Decision Trees. Develop hands on skills using k-Nearest Neighbors. Design successful applications with Naive Bayes. Deploy Linear Discriminant Analysis. Explore Support Vector Machines. Master Linear and logistic regression. Create solutions with Random Forests. Solve complex problems with Boosting. Gain deep insights via K-Means clustering. Acquire tips to enhance model performance. For each machine learning algorithm, every step in the process is detailed, from preparing the data for analysis, to evaluating the results. These steps will build the knowledge you need to apply them to your own data science tasks. Using plain language, this book offers a simple, intuitive, practical, non-mathematical, easy to follow guide to the most successful ideas, outstanding techniques and usable solutions available using R. Everything you need to get started is contained within this book. Machine Learning Made Easy with R is your very own hands on practical, tactical, easy to follow guide to mastery. Buy this book today and accelerate your progress!

A Guide for Thinking Humans

Applications of Artificial Intelligence in COVID-19

Building Intelligent Systems

Learn to Create Your * Problem Solving * Algorithms! Today! W/machine Learning & Data Structures

ARTIFICIAL INTELLIGENCE and MACHINE LEARNING BOOK for MANAGERS, LEADERS || ZERO CODING with SIMPLE EXPLANATION || LEARN STRATEGY BEHIND AI IMPLEMENTATION || NO PRIOR AI and ML KNOWLEDGE IS REQUIRED

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MY FIRST A.I. BOOK - Artificial Intelligence and Learning

Cyber-solutions to real-world business problems Artificial Intelligence in Practice is a fascinating look into how companies use AI and machine learning to solve problems. Presenting 50 case studies of actual situations, this book demonstrates practical applications to issues faced by businesses around the globe. The rapidly evolving field of artificial intelligence has expanded beyond research labs and computer science departments and made its way into the mainstream business environment. Artificial intelligence and machine learning are cited as the most important modern business trends to drive success. It is used in areas ranging from banking and finance to social media and marketing. This technology continues to provide innovative solutions to businesses of all sizes, sectors and industries. This engaging and topical book explores a wide range of cases illustrating how businesses use AI to boost performance, drive efficiency, analyse market preferences and many others. Best-selling author and renowned AI expert Bernard Marr reveals how machine learning technology is transforming the way companies conduct business. This detailed examination provides an overview of each company, describes the specific problem and explains how AI facilitates resolution. Each case study provides a comprehensive overview, including some technical details as well as key learning summaries: Understand how specific business problems are addressed by innovative machine learning methods Explore how current artificial intelligence applications improve performance and increase efficiency in various situations Expand your knowledge of recent AI advancements in technology Gain insight on the future of AI and its increasing role in business and industry Artificial Intelligence in Practice: How 50 Successful Companies Used Artificial Intelligence to Solve Problems is an insightful and informative exploration of the transformative power of technology in 21st century commerce.

MAKE ART with Artificial Intelligence A guide on practical artificial intelligence for drawing, art, illustration, and design - for everyone interested in creativity, art, and technology. The book has hundreds of original illustrations made or augmented with AI, 20+ online and video tutorials, 35+ Python notebooks, a GitHub repository and a blockchain art gallery. Written and illustrated by Kevin Ashley, a Microsoft developer hall of fame engineer, and an author of books and courses on artificial intelligence. Think of this book as v3.0 of your drawing class manual on how to sketch, draw faces, emotions, body poses, landscapes, apply light, color, style, emotion, expressions, perspective, generate animations, speech and more with artificial intelligence. All artwork from this book is created or augmented with machine learning and available in online NFT gallery, as well as tutorials and practical examples. The impact of this book in data science community inspired a group of Microsoft engineers and data scientists to implement a project they called Azure Picasso to streamline the path from a conceptual artwork, enhanced with artificial intelligence to publishing art in online galleries. FROM REVIEWS This is similar to the best lecture classes I had in college where the professor talked in class about the concepts and fundamentals but then gave us homework that would let us experiment and try out the concepts hands-on. As an artist who has 30 years of artwork looking to share, I love this book because it's approachable to the novice and useful to the expert. EDITIONS Beautiful Paperback, 8x10, color edition, more illustrations than the e-book, reads like an art book, beautiful print and high-quality paper. eBook - easy to read on phones, tablets and online readers, reflowing text, great for practical tutorials, as the book has many links to tutorials. CONTENTS Getting Started (History of Art and AI - Drawing - Sketching - Action and Poses - Landscapes and Scenery - Animation - Selling your Art) Creative Tools (Traditional tools - Digital tools - AI Tools - Python - Notebooks - Practice Studies). Neural Networks for Art (Neurons - Neural networks - Supervised learning - Unsupervised learning - Generative Adversarial Networks - Machine Learning Models and Training - Reinforcement learning - Practice Studies) Drawing and Sketching with AI (Sketching - Improving Sketches with AI - Childhood Drawings - Creativity - Inking - Shading and Light - Coloring - Practice Studies) Faces and Facial Expressions (How AI recognizes human faces - Facial features - Emotions - 3D Faces - Cartoons and Caricature - Anime and Manga - Generating Faces with AI) Pose and Actions with AI (Action with AI - Keypoints - Pose Estimation - Drawing Human Body - Human Pose Datasets - Perspective and Depth) Landscapes and Scenery (Landscapes - Generating Landscapes - AI Models and Methods for Landscapes - Practice Studies) Style and Content (Style and Style Transfer in Art and AI - Generative Adversarial Networks - Creative Style) Animation with AI (History of Animation - 12 Principles of Animation - Using AI for Animation - Animating Speech, Lips and Faces) How to Sell your Art with Blockchain and NFT (Why Blockchain - Smart Contracts and NFTs - Creating a Crypto Wallet - Creating your Gallery - Listing for Sale - Getting Paid) The book comes with online tutorials, including assets, resources and

notebooks for artists, data scientists or engineers. With basic Python you can create stunning works of art, but the knowledge of Python is not required. Enjoy this unique and insightful book!

Everything you need to understand and implement Artificial Intelligence! Learn the potential consequences of Artificial Intelligence and how it will shape the world around us in the coming decades! Become familiar with how Artificial Intelligence aims to aid human cognitive limitations and how it is possible that in the future, the AI that humans create becomes inconceivable to humans themselves. And once you have an understanding of what AI is, you can move forward in your journey to create better informed industry-level business AI applications. The book bundle includes: Learning to teach machines to learn! Are you intrigued by the fact that artificial intelligence poses an existential threat to human beings and has been around for at least 60 years? If yes, then here is the best introductory review of Artificial Intelligence and its effects on human behavior and the market. The book is thoroughly examined, neatly composed, significantly intriguing, and insightful. Help yourself understand the concepts of AI and get insights regarding: ● A brief history of artificial intelligence ● The state of art of machine learning ● Artificial neural networks applied to machine learning ● How to build an AI-ready culture ● Effects of AI on our daily lives Adding persistent spirit to your business! Do you often come up with some innovative techniques to lead the industry? If yes, then this book is made for you! It will familiarize you with the advances in industry-level AI and will open your understanding of what to expect in sales shortly. Here is a preview of what you will learn: ● How AI can transform your business ● The correct mindset for social media marketing ● The epoch of chatbots ● How AI can help with recruitment ● Which platforms will best fit business in 2020 ● How AI helps in predicting consumer behavior patterns And More.....

This book aims to inform the non-IT specialist about the technological revolution that is taking place and, specifically, how the digital component of it is affecting our lives. It is hoped that this information will fill possible information gaps in readers' mental model, enabling them to make better-informed decisions. This book can also be used as a textbook in a stand-alone introductory course to the digital revolution and its effects on society. The course could be used in both bachelor and master degree programs in business management, healthcare management, sociology, or any other non-IT programs. Chapter 1. This chapter, although the longest, is a brief review of the interactions between technology, economy, and politics. The subject is a much neglected one, and I believe that understanding of these interactions is vital for understanding the underlying causes of some of our most important pressing issues. The chapter discusses the interactions between technologies, economy, and politics, examining the effect of technologies on economic development and political ideologies. Chapter 2. This chapter deals with technological revolutions in general and the digital revolution in particular. I shall discuss the components of the digital economy. These being: knowledge, digitisation, virtualisation, molecularization, integration/internet networking, disintermediation, convergence, innovation, sharing economy, immediacy, and discordant. In addition, we shall examine the disruptors that are changing the face of competition in the marketplace. Chapter 3. This chapter deals with digital transformation, i.e., the process of using digital technology in all areas of business, changing the way the businesses operate and deliver value to their customers. We shall examine models for dealing with digital transformation. Chapter 4. We shall examine one of the most important developments of the 21st century, namely the advancements in Artificial Intelligence (AI). We shall look at how the human brain works and what is intelligence. We shall look at the artificial neural networks, machine learning, and deep learning. We shall also look at the deployment of AI in various fields such as healthcare, finance, Natural Language Processing (NLP), news media, and warfare. Chapter 5. This chapter deals with one of the most controversial and yet promising developments in finance and distributed secure databases, namely cryptocurrencies and blockchains. This subject is divided into two parts — the first part deals with the cryptocurrencies, and their viability as currencies. One of the most popular cryptocurrencies, the Bitcoin, will be examined in depth. The second part is somewhat technical and deals with the inner workings of the blockchains. As with cryptocurrencies, many see a bright future for the blockchains, especially in the form of smart contracts. Many believe that blockchains will be of great value in areas such as finance, handling contracts, healthcare and more. Blockchain promises to bring disintermediation to many industries and thereby reduce costs. Chapter 6. Technological revolutions tend to disrupt the lives of many middle-aged and older workers. New technologies give birth to new industries, destroying the old industries in the process. New technologies often require special skills that the old industry workers do not possess. The laid-off workers of the old industries can seldom find jobs in new industries since the new industries often rely on new technologies and skills that the old-industry workers do not possess. These workers need training, something that the prospective employers do not provide. Also, the new technologies, including AI, are automating many tasks, reducing the need for human workers. This chapter discusses the issue of automation and its effect on employment. Additionally, the type of jobs that are in danger of automation is discussed as well. Chapter 7. While chapter six discussed the employment situation, chapter seven considers the type of education required by the new industries. Also, the weaknesses of the existing educational system are considered, and alternative systems are proposed. Chapter 8. History tells us that whenever there has been a technological revolution, it has been accompanied by a shift in power, both nationally and internationally. The global shift of power has seldom been a peaceful affair. It often has resulted in major wars and global reorientation. This chapter discusses the possibility of the global shift of power. Currently, there are not that many countries or entities that can be considered as contenders. Of the three, Russia, European Union, and China, only one, China, is considered to have any chance of wresting power from the United States. The technological, economic and military power of China is compared and contrasted with the United States'.

Make and Sell Your Art with AI, Blockchain and NFT

The AI Marketing Canvas

The Artificial Intelligence Handbook for Investors, Entrepreneurs and FinTech Visionaries

Machine Learning Made Easy with R

Make Art with Artificial Intelligence

Mathematics for Machine Learning

Logics in Artificial Intelligence

*Design the MIND of a Robotic Thinker! " Every chapter is very clearly described and all of the information was presented consistently. " - Amazon Customer " Within this book you'll find GREAT coding skills to learn. Here I've learned so much from reading this book. " - Stella Mill, from Amazon.com " This is the most complete and comprehensive book I read on a subject of Artificial Intelligence so far and it's very well written as well. " - Falli Conna, from Amazon.com " * INCLUDED BONUS: a Quick-start guide to Learning Ruby in less than a Day! * * How would you like to Create the Next AI bot? Artificial Intelligence. One of the most brilliant creations of mankind. No*

longer a sci-fi fantasy, but a realistic approach to making work more efficient and lives easier.And the best news? It's not that complicated after all Does it require THAT much advanced math? NO!And are you paying THOUSANDS of dollars just to learn this information? NO!Hundreds? Not even close. Within this book's pages, you'll find GREAT coding skills to learn - and more. Just some of the questions and topics include: - Complicated scheduling problem? Here's how to solve it. - How good are your AI algorithms? Analysis for Efficiency- How to interpret a system into logical code for the AI- How would an AI system would diagnose a system? We show you...- Getting an AI agent to solve problems for youand Much, much more!World-Class TrainingThis book breaks your training down into easy-to-understand modules. It starts from the very essentials of algorithms and program procedures, so you can write great code - even as a beginner!

This accessible and engaging textbook presents a concise introduction to the exciting field of artificial intelligence (AI). The broad-ranging discussion covers the key subdisciplines within the field, describing practical algorithms and concrete applications in the areas of agents, logic, search, reasoning under uncertainty, machine learning, neural networks, and reinforcement learning. Fully revised and updated, this much-anticipated second edition also includes new material on deep learning. Topics and features: presents an application-focused and hands-on approach to learning, with supplementary teaching resources provided at an associated website; contains numerous study exercises and solutions, highlighted examples, definitions, theorems, and illustrative cartoons; includes chapters on predicate logic, PROLOG, heuristic search, probabilistic reasoning, machine learning and data mining, neural networks and reinforcement learning; reports on developments in deep learning, including applications of neural networks to generate creative content such as text, music and art (NEW); examines performance evaluation of clustering algorithms, and presents two practical examples explaining Bayes' theorem and its relevance in everyday life (NEW); discusses search algorithms, analyzing the cycle check, explaining route planning for car navigation systems, and introducing Monte Carlo Tree Search (NEW); includes a section in the introduction on AI and society, discussing the implications of AI on topics such as employment and transportation (NEW). Ideal for foundation courses or modules on AI, this easy-to-read textbook offers an excellent overview of the field for students of computer science and other technical disciplines, requiring no more than a high-school level of knowledge of mathematics to understand the material.

Are you a business owner, and you want to take advantage of Artificial Intelligence to make more profit? Are you searching for new business opportunities, and you want to know how AI technologies can help you? Artificial Intelligence is the future, but it's also a great opportunity today. You can use it to create incredible products with never seen before features. Probably you are already using AI technologies in your everyday routine, and you don't even know it! By the way, AI represents a significant opportunity if you want to grow your business or if you are searching for a new job, but it requires a solid background in terms of processes and technologies involved and, of course, you must fully understand how to implement AI in the business world. This book can assist you in understanding What is Artificial Intelligence What are the AI tools that you should be aware of How to link Artificial Intelligence with Big Data How Artificial Intelligence can help you in your marketing strategies Which niches can benefit more from AI Even if you have not a degree in computer science or math, even if you have never worked on an Artificial Intelligence project, with this book you can understand how to benefit from this set of technologies and unlock their extraordinary potential. If you want to start to do business with Artificial Intelligence, scroll up and click the buy now button!

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Advanced Methodologies and Technologies in Artificial Intelligence, Computer Simulation, and Human-Computer Interaction

Introduction to Artificial Intelligence

Made Easy, With Essential Programming Learn to Create Your Problem Solving Algorithms! Today With Machine Learning & Data Structures

This book constitutes the proceedings of the 16th European Conference on Logics in Artificial Intelligence, JELIA 2019, held in Rende, Italy, in May 2019. The 50 full papers and 10 short papers included in this volume were carefully reviewed and selected from 101 submissions. Additionally, the book contains 3 invited papers. The accepted papers span a number of areas within Logics in AI, including: belief revision and argumentation; causal, defeasible and inductive reasoning; conditional, probabilistic and propositional logic; description logics; logic programming; modal and default logic; and temporal logic.

Artificial Intelligence and Learning is a teaser in a series of books and pioneering book for kids on Artificial Intelligence (A.I.) which focuses on its chief concept: LEARNING. The My First A.I. Books Series introduces kids of all ages to the foundational concepts for Artificial Intelligence and the 4th Industrial/Human Revolution, AKA I4.0 or 4IR or IOT. Written by three global experts and active scientific researchers, Professors Fernando Buarque (Ph.D. in A.I. Imperial College London), Tshildizi Marwala (Ph.D. in A.I. at University of Cambridge), and Nicky Roberts (Ph.D. in Mathematics Education at the University of Witwatersrand).This book and series are suitable for all kids starting their Artificial Intelligence journey. As a matter of fact, the future of humankind depends centrally on how A.I. will be produced and used. As such, little readers are encouraged to think and talk in an informed manner about A.I. topics. The story of this first book, sets the plot by delving into the evolution of human tools (up to the fourth human revolution), types of learning, the ingredients for adaptive computer programs (i.e. programs that are able to learn), and even provides a working definition of A.I. All the books of the series are packed with concepts and encourage inquiry. They aim to widen the kids' perspectives on, and also nurture their participation with, these new concepts and tools. All that in this amazing unfolding revolution - the Revolution of the Intelligence. The authors took care to include not only technical concepts, but humanistic and character-building values too. Thus, readers would acquire a good foundation for their future, which may even not be a technical one (but certainly will include A.I.). Ideally, this book should be read by the kids with an adult. It is handsomely complemented by five more books, which portrait five missions, detailing other chief functional A.I. concepts. In each mission the explorers are challenged to delve (and learn) five different ways of using A.I. on real-world problems. The other books in the My First A.I. Books Series are: -My First A.I. Book - Mission of Team-B is Searching -My First A.I. Book - Mission of Team-R is Predicting-My First A.I. Book - Mission of Team-I is Classifying-My First A.I. Book - Mission of Team-C is Optimizing-My First A.I. Book - Mission of Team-S is Interfacing

Step into the future with AI The term "Artificial Intelligence" has been around since the 1950s, but a lot has changed since then. Today, AI is referenced in the news, books, movies, and TV shows, and the exact definition is often misinterpreted. Artificial Intelligence For Dummies provides a clear introduction to AI and how it's being used today. Inside, you'll get a clear overview of the technology, the common misconceptions surrounding it, and a fascinating look at its applications in everything from self-driving cars and drones to its contributions in the medical field. Learn about what AI has contributed to society Explore uses for AI in computer applications Discover the limits of what AI can do Find out about the history of AI The world of AI is fascinating—and this hands-on guide makes it more accessible than ever!

Design the MIND of a Robotic Thinker! " The author of this book did an excellent job and by reading this book I am impressed. This book is well written and every lesson is very clearly described. " " - Patrick Garrity, from Amazon.com " " When I saw this book, I was immediately drawn to the title of the book. I am glad that I got the chance to download this book. " " - Jasmine Torres, from Amazon.com " " Code Well Academy put together a very comprehensive easy to read guide to walk me through from start to finish. " " - Jessica Cece, from Amazon.com " * * INCLUDED BONUS: a Quick-start guide to Learning Java in less than a Day! * * How would you like to Create the Next SIRI? Artificial Intelligence. One of the most brilliant creations of mankind. No longer a sci-fi fantasy, but a realistic approach to making work more efficient and lives easier. And the best news? It's not that complicated after all Does it require THAT much advanced math? NO! And are you paying THOUSANDS of dollars just to learn this information? NO! Hundreds? Not even close. Within this book's pages, you'll find GREAT coding skills to learn - and more. Just some of the questions and topics include: - Complicated scheduling problem? Here's how to solve it. - How good are your AI algorithms? Analysis for Efficiency - How to interpret a system into logical code for the AI - How would an AI system would diagnose a system? We show you... - Getting an AI agent to solve problems for you and Much, much more! World-Class Training This book breaks your training down into easy-to-understand modules. It starts from the very essentials of algorithms and program procedures, so you can write great code - even as a beginner!

Artificial Intelligence with Common Lisp

Machine Learning For Dummies

Made Easy With Ruby Programming; Learn to Create Your Problem Solving Algorithms! Today! With Machine Learning & Data Structures

Introduction to Digital Transformation

Java Artificial Intelligence

Artificial Intelligence For Dummies

Made Easy, W/ Essential Programming; Create Your * Problem Solving * Algorithms! Today! W/ Machine Learning & Data Structures

[The book] provides a balanced survey of the fundamentals of artificial intelligence, emphasizing the relationship between symbolic and numeric processing. The text is structured around an innovative, interactive combination of LISP programming and AI: It uses the constructs of help readers understand the array of artificial intelligence concepts presented. After an overview of the field of artificial intelligence, the text presents the fundamentals of LISP, explaining the language's features in more detail than any other AI text. Common Lisp is then used c exercises and plentiful examples of actual AI code.- Back cover This text is intended to provide an introduction to both AI and LISP for those having a background in computer science and mathematics. -Pref.

Distills key concepts from linear algebra, geometry, matrices, calculus, optimization, probability and statistics that are used in machine learning.

Artificial Intelligence is transforming every industry, but if you want to win with AI, you have to put it first on your priority list. AI-First companies are the only trillion-dollar companies, and soon they will dominate even more industries, more definitively than ever before. These co design--they collect valuable data from day one and use it to train predictive models that automate core functions. As a result, they learn faster and outpace the competition in the process. Thankfully, you don't need a Ph.D. to learn how to win with AI. In The AI-First Company, startup investor Ash Fontana offers an executable guide for applying AI to business problems. It's a playbook made for real companies, with real budgets, that need strategies and tactics to effectively implement AI. Whether you're a new online retailer or a Fortune 500 company

• Identify the most valuable data: • Build the teams that build AI: • Integrate AI with existing processes and keep it in check: • Measure and communicate its effectiveness: • Reinvest the profits from automation to compound competitive advantage. If the last fifty years were ab the next fifty years will be about getting AI to work for people, businesses, and society. It's not about building the right software -- it's about building the right AI. The AI-First Company is your guide to winning with artificial intelligence. In recent years, our world has experienced a profound shift and progression in available computing and knowledge sharing innovations. These emerging advancements have developed at a rapid pace, disseminating into and affecting numerous aspects of contemporary society. The an innovative compendium encompassing the latest trends, concepts, and issues surrounding this relevant discipline area. During the past 15 years, the Encyclopedia of Information Science and Technology has become recognized as one of the landmark sources of the latest know discipline. The Encyclopedia of Information Science and Technology, Fourth Edition is a 10-volume set which includes 705 original and previously unpublished research articles covering a full range of perspectives, applications, and techniques contributed by thousands of experts a the globe. This authoritative encyclopedia is an all-encompassing, well-established reference source that is ideally designed to disseminate the most forward-thinking and diverse research findings. With critical perspectives on the impact of information science management and n settings, including but not limited to computer science, education, healthcare, government, engineering, business, and natural and physical sciences, it is a pivotal and relevant source of knowledge that will benefit every professional within the field of information science and tec

addition to every academic and corporate library.

Logic-Based Artificial Intelligence

How to Develop and Use AI in a Responsible Way

Artificial Intelligence

How Your Company Can Make More Profit with Machine Learning, Data Science, Big Data, and Deep Learning

The AI-First Company

Responsible Artificial Intelligence

Machine Learning for Kids

SPECIAL DEAL: 3 books in 1: Machine Learning, Artificial Intelligence for Business and Computer Networking! It's no doubt that machine learning, artificial intelligence, and deep learning have created a lot of buzz in the tech world. However, unlike many other buzz words that we forget about quickly, technological advancements have made AI, ML and deep learning a part of our daily lives. Furthermore, AI is here to stay, which is why if you are looking to learn about it, you need to make the most out of your learning. What better way to do this than with a 3 in 1 book bundle that takes you from zero to a future proof AI genius? This bundle contains the following books:

- ▣ **Machine learning for Beginners - This book explains machine learning concepts in very simple terms for beginners. It will take you not only through ML, but also AI and deep learning concepts.**
- ▣ **Artificial intelligence for business - If you would like to know how you can use AI in your business, what the benefits of that would be and what the future of AI is in business, then you should read this book. You will also learn how modern companies in all industries are using AI and ML; and how you can craft your own AI strategy for your company.**
- ▣ **Computer Networking for Beginners - This final book will give you insights into the power of computer networking and show you how this power is harnessed in machine learning. At the end of it all, you will have solid knowledge on what networking is and how you can do it successfully. This 3 in 1 book bundle will give you the best value on your money. Scroll up, click on "Buy Now with 1-Click", and Get Your Copy NOW!**

◆◆ "Embrace artificial intelligence or be replaced by it." ◆◆ "AI is a new electricity." Andrew Ng ▣Have you ever thought that if AI is the new electricity, why does it not quickly inspire Managers/Leaders/C-Suites? ▣If business leaders do not act, they must be prepared to lag behind competitors who adopt new technologies. ▣Managers/Leaders/C-Suites and others who are willing to feel the spark of AI, should learn and understand AI immediately to know what AI can do and what it cannot. ▣Did you know that AI is changing our world faster than we think? Artificial intelligence will affect all areas of life in ways we cannot even predict, whether we like it or not. According to research done by PricewaterhouseCoopers (PwC), by 2030, artificial intelligence can contribute up to US\$15.7 trillion to the global economy, so the opportunities for implementing and learning AI are huge. ▣ Companies that do not use AI will soon become obsolete. From making faster and better decisions to automating rote memorization to enabling robots to respond to emotions, artificial intelligence and machine learning have been reshaping business and society. ▣ Not investing in the organizational and technical requirements of adopting AI may mean that they are far behind and unable to compete in the future. ▣ Business is changing. Will you adapt or fall behind? Accelerate and deepen your understanding of the themes that shape the company's future. ▣ This book is suitable for business executives, business managers, business leaders, senior managers, technical leaders, students, and many people who want to understand artificial intelligence. ▣ It will take you to learn the concepts of machine learning, artificial intelligence and deep learning, more and how to use them to influence your business. ▣▣ Even if you do not have technical knowledge, you will understand AI, ML and its implementation. ◆◆ Key features ◆◆ nbsp; ▣ A must book for the business leader to understand AI and its application ▣ Understand strategy behind AI implementation ▣ Zero coding with simple explanation ▣ A straightforward explanation for important algorithms like TensorFlow, NLP, K-Means, Support Vector Machine, Supervised Learning, Unsupervised Learning, Ensemble Techniques, Regression, Clustering, and many more ▣▣ Grab your copy of this book to build artificial intelligence for business and stand to the best of times!

'If you think you understand AI and all of the related issues, you don't. By the time you finish this exceptionally lucid and riveting book you will breathe more easily and wisely' - Michael Gazzaniga A leading computer scientist brings human sense to the AI bubble No recent scientific enterprise has been so alluring, terrifying and filled with extravagant promise and frustrating setbacks as artificial intelligence. Writing with clarity and passion, leading AI researcher Melanie Mitchell offers a captivating account of modern-day artificial intelligence. Flavoured with personal stories and a twist of humour, Artificial Intelligence illuminates the workings of machines that mimic human learning, perception, language, creativity and common sense. Weaving together advances in AI with cognitive science and philosophy, Mitchell probes the extent to which today's 'smart' machines can actually think or understand, and whether AI even requires such elusive human qualities at all. Artificial Intelligence: A Guide for Thinking Humans provides readers with an accessible and clear-eyed view of the AI landscape, what the field has actually accomplished, how much further it has to go and what it means for all of our futures.

Build real-world Artificial Intelligence applications with Python to intelligently interact with the world around you About This Book Step into the amazing world of intelligent apps using this comprehensive guide Enter the world of Artificial Intelligence, explore it, and create your own applications Work through simple yet insightful examples that will get you up and running with Artificial Intelligence in no time Who This Book Is For This book is for Python developers who want to build real-world Artificial Intelligence applications. This book is friendly to Python beginners, but being familiar with Python would be useful to play around with the code. It will also be useful for experienced Python programmers who are looking to use Artificial Intelligence techniques in their existing technology stacks. What You Will Learn Realize different classification and regression techniques Understand the concept of clustering and how to use it to automatically segment data See how to build an intelligent recommender system Understand logic programming and how to use it Build automatic speech recognition systems Understand the basics of heuristic search and genetic programming Develop games using Artificial Intelligence Learn how reinforcement learning works Discover how to build intelligent applications centered on images, text, and time series data See how to use deep learning algorithms and build applications based on it In Detail Artificial Intelligence is becoming increasingly relevant in the modern world where everything is driven by technology and data. It is used extensively across many fields such as search engines, image recognition, robotics, finance, and so on. We will explore various real-world scenarios in this book and you'll learn about various algorithms that can be used to build Artificial Intelligence applications. During the course of this book, you will find out how to make informed decisions about what algorithms to use in a given context. Starting from the basics of Artificial Intelligence, you will learn how to develop various building blocks using different data mining techniques. You will see how to implement different algorithms to get the best possible results, and will understand how to apply them to real-world scenarios. If you want to add an intelligence layer to any application that's based on images, text, stock market, or some other form of data, this exciting book on Artificial Intelligence will definitely be your guide! Style and approach This highly practical book will show you how to implement Artificial Intelligence. The book provides multiple examples enabling you to create smart applications to meet the needs of your organization. In every chapter, we explain an algorithm, implement it, and then build a smart application.

Artificial Intelligence with Python

Applications of Artificial Intelligence and Machine Learning

The AI Book

Swift Programming Artificial Intelligence

Learning Automation Skills with Python (2 Books in 1: Artificial Intelligence a Modern Approach & Artificial Intelligence Business Applications)

Artificial Intelligence in Practice

Made Easy, With Java Programming; Learn to Create Your Problem Solving Algorithms! Today! With Machine Learning & Data Structures

This book offers a direct, actionable plan CMOs can use to map out initiatives that are properly sequenced and designed for success—regardless of where their marketing organization is in the process. The authors pose the following critical questions to marketers: (1) How should modern marketers be thinking about artificial intelligence and machine learning? and (2) How should marketers be developing a strategy and plan to implement AI into their marketing toolkit? The opening chapters provide marketing leaders with an overview of what exactly AI is and how is it different than traditional computer science approaches. Venkatesan and Lecinski, then, propose a best-practice, five-stage framework for implementing what they term the "AI Marketing Canvas." Their approach is based on research and interviews they conducted with leading marketers, and offers many tangible examples of what brands are doing at each stage of the AI Marketing Canvas. By way of guidance, Venkatesan and Lecinski provide examples of brands—including Google, Lyft, Ancestry.com, and Coca-Cola—that have successfully woven AI into their marketing strategies. The book concludes with a discussion of important implications for marketing leaders—for your team and culture.

There has been a movement over the years to make machines intelligent. With the advent of modern technology, AI has become the core part of day-to-day life. But it is accentuated to have a book that keeps abreast of all the state-of-the-art concepts (pertaining to AI) in simplified, explicit and elegant way, expounding on ample examples so that the beginners are able to comprehend the subject with ease. The book on Artificial Intelligence, dexterously divided into 21 chapters, fully satisfies all these pressing needs. It is intended to put each and every concept related to intelligent system in front of the readers in the most simplified way so that while understanding the basic concepts, they will develop thought process that can contribute to the building of advanced intelligent systems. Various cardinal landmarks pertaining to the subject such as problem solving, search techniques, intelligent agents, constraint satisfaction problems, knowledge representation, planning, machine learning, natural language processing, pattern recognition, game playing, hybrid and fuzzy systems, neural network-based learning and future work and trends in AI are now under the single umbrella of this book, thereby showing a nice blend of theoretical and practical aspects. With all the latest information incorporated and several pedagogical attributes included, this textbook is an invaluable learning tool for the undergraduate and postgraduate students of computer science and engineering, and

information technology. KEY FEATURES • Highlights a clear and concise presentation through adequate study material • Follows a systematic approach to explicate fundamentals as well as recent advances in the area • Presents ample relevant problems in the form of multiple choice questions, concept review questions, critical thinking exercise and project work • Incorporates various case studies for major topics as well as numerous industrial examples

As modern technologies continue to develop and evolve, the ability of users to adapt with new systems becomes a paramount concern. Research into new ways for humans to make use of advanced computers and other such technologies through artificial intelligence and computer simulation is necessary to fully realize the potential of tools in the 21st century. Advanced Methodologies and Technologies in Artificial Intelligence, Computer Simulation, and Human-Computer Interaction provides emerging research in advanced trends in robotics, AI, simulation, and human-computer interaction. Readers will learn about the positive applications of artificial intelligence and human-computer interaction in various disciplines such as business and medicine. This book is a valuable resource for IT professionals, researchers, computer scientists, and researchers invested in assistive technologies, artificial intelligence, robotics, and computer simulation.

The book presents a collection of peer-reviewed articles from the International Conference on Advances and Applications of Artificial Intelligence and Machine Learning - ICAAAILM 2020. The book covers research in artificial intelligence, machine learning, and deep learning applications in healthcare, agriculture, business, and security. This volume contains research papers from academicians, researchers as well as students. There are also papers on core concepts of computer networks, intelligent system design and deployment, real-time systems, wireless sensor networks, sensors and sensor nodes, software engineering, and image processing. This book will be a valuable resource for students, academics, and practitioners in the industry working on AI applications.

Artificial Intelligence for Business Leaders

A Project-Based Introduction to Artificial Intelligence

A Roadmap for Getting Started with AI

How 50 Successful Companies Used AI and Machine Learning to Solve Problems

Advances in Bioengineering

Artificial Intelligence For Business

Written by prominent thought leaders in the global fintech space, The AI Book aggregates diverse expertise into a single, informative volume and explains what artificial intelligence really means and how it can be used across financial services today. Key industry developments are explained in detail, and critical insights from cutting-edge practitioners offer first-hand information and lessons learned. Coverage includes: • Understanding the AI Portfolio: from machine learning to chatbots, to natural language processing (NLP); a deep dive into the Machine Intelligence Landscape; essentials on core technologies, rethinking enterprise, rethinking industries, rethinking humans; quantum computing and next-generation AI • AI experimentation and embedded usage, and the change in business model, value proposition, organisation, customer and co-worker experiences in today's Financial Services Industry • The future state of financial services and capital markets – what's next for the real-world implementation of AI Tech? • The innovating customer – users are not waiting for the financial services industry to work out how AI can re-shape their sector, profitability and competitiveness • Boardroom issues created and magnified by AI trends, including conduct, regulation & oversight in an algo-driven world, cybersecurity, diversity & inclusion, data privacy, the 'unbundled corporation' & the future of work, social responsibility, sustainability, and the new leadership imperatives • Ethical considerations of deploying AI solutions and why explainable AI is so important

One of Mark Cuban's top reads for better understanding A.I. (inc.com, 2021) Your comprehensive entry-level guide to machine learning While machine learning expertise doesn't quite mean you can create your own Turing Test-proof android—as in the movie Ex Machina—it is a form of artificial intelligence and one of the most exciting technological means of identifying opportunities and solving problems fast and on a large scale. Anyone who masters the principles of machine learning is mastering a big part of our tech future and opening up incredible new directions in careers that include fraud detection, optimizing search results, serving real-time ads, credit-scoring, building accurate and sophisticated pricing models—and way, way more. Unlike most machine learning books, the fully updated 2nd Edition of Machine Learning For Dummies doesn't assume you have years of experience using programming languages such as Python (R source is also included in a downloadable form with comments and explanations), but lets you in on the ground floor, covering the entry-level materials that will get you up and running building models you need to perform practical tasks. It takes a look at the underlying—and fascinating—math principles that power machine learning but also shows that you don't need to be a math whiz to build fun new tools and apply them to your work and study. Understand the history of AI and machine learning Work with Python 3.8 and TensorFlow 2.x (and R as a download) Build and test your own models Use the latest datasets, rather than the worn out data found in other books Apply machine learning to real problems Whether you want to learn for college or to enhance your business or career performance, this friendly beginner's guide is your best introduction to machine learning, allowing you to become quickly confident using this amazing and fast-developing technology that's impacting lives for the better all over the world.