

Apa Referencing Chapter In A Book

This book is a double first - the first collection together of all of Badiou's work on Beckett, and the first translation of this important material. Badiou presents a Beckett whose work is the work of philosophy itself - a philosophy in the full sense of the word, which works to reduce experience to its essential determinations. These essays together furnish a meditation on the developments of Beckett's ideas, always philosophically allusive, from first works through *The Unnameable* (a solipsist impasse, claims Badiou, from which it would take Beckett ten years to escape), to a final engagement with questions of the Other and Love.

The Handbook of Mental Health Interventions in Children and Adolescents is an essential guide for mental healthcare professionals to the theory and practice of mental health treatment for children up to age nineteen. Written by a panel of the best-known names in the field, this systematic and comprehensive resource includes the most current information on developmental science as it pertains to treatment, psychopharmacology, psychotherapy, sociotherapy, and the integration of treatments. Acclaimed as a text and professional development tool, this user-friendly resource has now been revised and updated, and offers expanded coverage of collaborative action research (CAR) and participatory action research (PAR). Preservice and inservice educators get crucial step-by-step guidance for conducting classroom- and school-based studies to improve their instructional practices. Organized to mirror the full cycle of action research, the book provides balanced coverage of qualitative, quantitative, and mixed methods approaches. Vivid vignettes and examples illustrate research approaches for a range of teaching and learning situations, school subjects, and age groups (PreK–12). Readers learn how research approaches are driven by the research question, as well as how to develop data collection strategies; design and/or evaluate assessment tools; interpret, analyze, report, and implement study results; and design a new cycle of research that builds on the previous one. New to This Edition *In-depth descriptions of CAR and PAR--which enable groups of teachers to work together to solve problems in a classroom or school--plus examples of both throughout the book. *Expanded or new discussions (with examples) of such topics as how research approaches and methods are driven by the research question, how to assess different types of reliability and validity, the differences between analysis and interpretation, and how to use sequential cycles of research for continuous improvement and professional development. *Fully updated references and resources. Pedagogical Features *Both individual and group exercises and activities in every chapter. *New and updated checklists and guidelines that enable busy educators to self-assess the progress and quality of their studies. *Sample templates to assist in development of research instruments. *Example boxes illustrating the components of an action research report. *Summary tables highlighting key aspects of different research strategies. *Chapter summaries (now shorter for ease of use) and suggestions for further reading.

Provides guidelines and examples for handling research, outlining, spelling, punctuation, formatting, and documentation.

This volume explores how early potential develops into high performance in five domains: sport, the professions, academia, the performing arts, and the producing arts.

This book helps "students to master the standard organizational patterns of the paragraph and the basic concepts of essay writing. The text's time-proven approach integrates the study of rhetorical patterns and the writing process with extensive practice in sentence structure and mechanics." - product description.

Covers quality of content, types of articles, manuscript structure, writing style, grammar, quotations, tables, footnotes, proofreading, and journal policies.

Abnormal Psychology 3e continues to combine the highest level of accuracy, currency and comprehensive coverage with Australian and New Zealand academic research and writing. Each chapter is written by local experts in the subject to ensure that content is not only as authoritative as possible, but also provides context, enabling the reader to really relate to concepts and see exactly how this complex subject is treated in practice. Updated content which aligns with the DSM-5 guidelines, published in 2013. Students can be assured that they are receiving the most up-to-date content, including the correct guidelines and terminology for diagnosis of psychological disorders

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Confronting Prejudice and Discrimination: The Science of Changing Minds and Behaviors focuses on confrontation as a strategy for reducing bias and discrimination. The volume tackles questions that people face when they wish to confront bias: What factors influence people's decisions to confront or ignore bias in its various forms? What are the motives and consequences of confrontation? How can confrontation be approached individually, through education and empowerment, and in specific contexts (e.g., health care) to yield favourable outcomes? These questions are paramount in contemporary society, where confrontation of bias is increasingly evident. Moreover, great strides in the scientific study of confrontation in the past 20 years has yielded valuable insights and answers. This volume is an essential resource for students and researchers with an interest in prejudice and prejudice reduction, and will also be valuable to non-academics who wish to stand up to bias through confrontation. Addresses factors that determine individuals' decisions to confront stereotyping, prejudice and discrimination Analyzes how personal and collective motives shape responses in confrontation-relevant situations Examines the consequences of confrontation from the perspectives of targets, perpetrators and bystanders Provides a roadmap for how to prepare for and engage in successful confrontations at the individual level Covers confronting bias in various settings including in schools, health care, the workplace and on the internet Discusses confrontation in the context of racism, sexism, sexual harassment and other forms of bias, including intersectional forms of bias

Revised and updated, this compelling collection of essays, interviews, and course syllabi is the ideal tool to help teachers and students keep up in the rapidly changing field of graphic design. Top designers and educators talk theory, offer proposals, discuss a wide range of educational concerns—such as theory versus practice, art versus commerce, and classicism versus postmodernism—and consider topics such as emerging markets, shifts in conventions, global impact, and social innovation. Building on the foundation of the original book, the new essays address how graphic design has changed into an information-presenting, data-visualization, and storytelling field rooted in art and technology. The forward-thinking course syllabi are designed for the increasingly specialized needs of undergraduate and graduate students. Personal anecdotes from these designers about their own educations, their mentors, and their students make this an entertaining and illuminating idea book. The book features writing from: Lama Ajeenah, Roy R. Behrens, Andrew Blauvelt, Max Bruinsma, Chuck Byrne, Moira Cullen, Paula J. Curran, Louis Danziger, Liz Danzico, Meredith Davis, Sheila de Bretteville, Carla Diana, Johanna Drucker, Milton Glaser, Rob Giampietro, April Greiman, Sagi Haviv, Lorraine Justice, Jeffery Keedy, Julie Lasky, Warren Lehrer, Ellen Lupton, Victor Margolin, Andrea Marks, Katherine McCoy, Ellen McMahan, J. Abbott Miller, Sharyn O'Mara, Rick Poynor, Chris Pullman, Michael Rock, Katie Salen, Douglass Scott, Steven Skaggs, Virginia Smith, Kerri Steinberg, Gunnar Swanson, Ellen Mazur Thomson, Michael Vanderbyl, Veronique Vienne, Lorraine Wild, Richard Wilde, Judith Wilde, and Michael Worthington. Allworth Press, an imprint of Skyhorse Publishing, publishes a broad range of books on the visual and performing arts, with emphasis on the business of art. Our titles cover subjects such as graphic

design, theater, branding, fine art, photography, interior design, writing, acting, film, how to start careers, business and legal forms, business practices, and more. While we don't aspire to publish a New York Times bestseller or a national bestseller, we are deeply committed to quality books that help creative professionals succeed and thrive. We often publish in areas overlooked by other publishers and welcome the author whose expertise can help our audience of readers.

Discourses on Livy is the founding document of modern republicanism, and Harvey C. Mansfield and Nathan Tarcov have provided the definitive English translation of this classic work. Faithful to the original Italian text, properly attentive to Machiavelli's idiom and subtlety of thought, it is eminently readable. With a substantial introduction, extensive explanatory notes, a glossary of key words, and an annotated index, the Discourses reveals Machiavelli's radical vision of a new science of politics, a vision of "new modes and orders" that continue to shape the modern ethos. "[Machiavelli] found in Livy the means to inspire scholars for five centuries. Within the Discourses, often hidden and sometimes unintended by their author, lie the seeds of modern political thought. . . . [Mansfield and Tarcov's] translation is careful and idiomatic."—Peter Stothard, *The Times* "Translated with painstaking accuracy—but also great readability."—*Weekly Standard* "A model of contemporary scholarship and a brave effort at Machiavelli translation that allows the great Florentine to speak in his own voice."—*Choice Publication Manual of the American Psychological Association* Amer Psychological Assn

Reinforced concrete has the potential to be very durable and capable of withstanding a variety of adverse environmental conditions. However, failures in the structures do still occur as a result of premature reinforcement corrosion. In this authoritative book the fundamental aspects of this complex process are analysed; focusing on corrosion of the reinforcing steel, and looking particularly, at new scientific and technological developments. Monitoring techniques, including the newly developed online-monitoring, are examined, as well as the numerical methods used to simulate corrosion and perform parameter studies. The influence of composition and microstructure of concrete on corrosion behaviour is explored. The second half of the book, which deals with corrosion prevention methods, starts with a discussion on stainless steels as reinforcement materials. There are comprehensive reviews of the use of surface treatments and coatings, of the application of corrosion inhibitors and of the application of electrochemical techniques. In each case the necessary scientific fundamentals are explained and practical instances of use are looked at. This is an invaluable guide for engineers, materials scientists and researchers in the field of structural concrete. Fundamental aspects of corrosion in concrete are analysed in detail Explores how to minimise the effects of corrosion in concrete Invaluable guide for engineers, materials scientists and researchers in the field of structural concrete

The Handbook of Art and Design Librarianship integrates theory and practice to offer guidelines for information professionals working in art and design environments who need to support and anticipate the information needs of artists, designers, architects and the historians who study those disciplines. Since the first edition of this title, the world of art and design libraries has been transformed by rapid advances in technology, an explosion in social media and the release of new standards and guidelines. This new edition, offering mostly entirely new chapters, provides an accessible, fully updated, guide to the world of academic art and design libraries from a range of international experts who reflect current practice at a global level. Coverage includes: case studies and library profiles, providing benchmarks for developing facilities teaching and learning, including the ACRL Framework, teaching with special collections, meta-literacies, instructional design and cultural differences developments in institutional repositories, digital humanities and makerspaces contemporary library design, spaces for collaboration and sustainability. This book will be useful reading for students taking library and information science courses in art librarianship, special collections, and archives, as well as practising library and information professionals in art and design school libraries, art museum libraries and public libraries.

Designed specifically for undergraduate writing, this easy-to-use pocket guide provides complete guidance for new writers on effective, clear, and inclusive scholarly communication and the essentials of formatting papers and other course assignments.

'Things Fall Apart' tells the story of Okonkwo, an important man in the Igbo tribe in the days when white men were first on the scene. Okonkwo becomes exiled from his tribe, as a result of his pride and his fears, with tragic consequences.

Comprehensive and authoritative this handbook pushes back the frontiers of the study of human development in one single volume. It makes an ideal reference for experienced individuals who wish to update their understanding and remain at the cutting edge of developmental psychology.

With the market-leading nursing fundamentals text in Canada, you can be assured that students will develop a firm educational foundation that will help them to succeed. Written in a clear manner and organized logically, this book will teach students all of the principles, concepts and skills necessary for them to thrive, both academically and professionally. A trusted favourite for Canadian faculty and students, the new Fourth Canadian Edition offers the most complete teaching and learning package available. A companion CD and Evolve website included with the book ensure that students have the most up-to-date and practical tools at their fingertips, and provide instructors with a host of resources to assist in their lesson planning, development and delivery. The new Fourth Canadian Edition of this nursing classic is the most current and comprehensive text available. . Nursing skills include steps and rationales to illustrate how and why a skill is performed . Critical thinking models illustrate how to provide the best care for clients . Nursing care plans include sections on Assessment, Planning, Interventions and Evaluation . Client teaching boxes emphasize key points for patient education . Boxes on older adults, culture and primary health care highlight key principles and aspects of nursing care . Evidence-informed practice guidelines provide examples of recent guidelines for Canadian nursing practice . Research highlights provide abstracts of current nursing research studies and explain the implications for daily practice . Companion CD includes student learning activities, Butterfield's Fluids and Electrolytes Tutorial, and more . Companion Evolve website includes review questions, interactive exercises, and more . Completely revised and updated to reflect current Canadian nursing practice . New chapter on Surviving Cancer . New chapter on Nursing Informatics . 3 new Canadian section editors . An all-new Canadian editorial advisory board . Over 55 contributors from across the country . Emphasis on the Media Resources that accompany each chapter help to detail the comprehensive electronic resources available for that specific topic . Addition of new Nursing Story boxes that describe real-life scenarios . Increased emphasis on nurse and client safety, including Safety Alerts embedded throughout the text that highlight safe practices and techniques . New appendix on laboratory values

A comprehensive survey of one of the most important texts of the Middle Ages.

Literacy: Reading, Writing, and Children's Literature is a comprehensive and accessible introduction to balanced literacy instruction and learning for pre-service and in-service teachers. Tailored for Canadians, this practical and current text provides a theoretical foundation alongside real-world classroom examples for teaching the foundational skills of literacy.

Please note that this eBook does not include the DVD accompaniment. If you would like to have access to the DVD content, please purchase the print copy of this title. Now in its 3rd edition, Potter & Perry's Fundamentals of Nursing continues to be the definitive text for nursing students in our region. The new edition builds on the strengths of the highly successful previous editions with greater authorship, increased local research, evidence and concepts particular to the health care systems of Australia and New Zealand. Fully revised and updated by leading Australian and New Zealand nurse educators. It presents essential nursing skills in a clear format consistent with Australian and New Zealand practice, placing greater emphasis on critical thinking skill explanations, revised procedural recommendations, infection control considerations and updated medications information. Health Care Delivery System (Chapter 2) – now includes New Zealand content and walks the student through the evolution of health care delivery systems in our region. Engaging in Clinical Inquiry and Practice Development (Chapter 5) written by Jackie Crisp and Professor Brendan McCormack provides a contemporary perspective on the processes underpinning

nursing knowledge development, utilisation and their role in the ongoing advancement of nursing practice. Managing Client Care (Chapter 20) is an exciting newly revised chapter that engages the student in exploring nursing issues in managing client care within the context of contemporary health care systems. New Chapter on Caring for the Cancer Survivor New Zealand Supplement Legal Implications of Nursing Practice Now includes evolve e-books Now students can search across Potter & Perry's Fundamentals of Nursing 3E electronically via a fully searchable online version. Students can take notes, highlight material and more. The e-book is included with this edition at no extra cost. New Resources for Students and Instructors on Evolve: Nursing Skills Online for Fundamentals of Nursing provides students with 17 interactive modules which expand on textbook concepts, through the use of media rich animations. It encourages decision-making and critical-thinking skills through case-based and problem-oriented lessons. Nursing Skills Online for Fundamentals of Nursing may be purchased separately as a User guide & Access code (ISBN: 9780729539388) Online Study guide for students is an ideal supplement with Skills Performance Check lists designed to challenge students' abilities. Clinical knowledge can be further tested through additional short answer and review questions.

Beyond Common Sense addresses the many important and controversial issues that arise from the use of psychological and social science in the courtroom. Each chapter identifies areas of scientific agreement and disagreement, and discusses how psychological science advances our understanding of human behavior beyond common sense. Features original chapters written by some of the leading experts in the field of psychology and law including Elizabeth Loftus, Saul Kassin, Faye Crosby, Alice Eagly, Gary Wells, Louise Fitzgerald, Craig Anderson, and Phoebe Ellsworth The 14 issues addressed include eyewitness identification, gender stereotypes, repressed memories, Affirmative Action and the death penalty Commentaries written by leading social science and law scholars discuss key legal and scientific themes that emerge from the science chapters and illustrate how psychological science is or can be used in the courts

For special education courses in schools of early childhood, primary and secondary education. Education for Inclusion and Diversity 5e continues to build on the concept of inclusive curriculum and the diversity of learning needs. This Australian text gives students a broad understanding of the principles of inclusive education, and the ways in which teachers can accommodate the differing learning needs of their students. It has been written by experts in the field of inclusion and special needs education with the particular aim of teaching students how to apply the ideas that have been presented in each chapter.

In the 21st century, digital tools enable information to be generated faster and in greater profusion than ever before, to the point where its extent and value are literally beyond imagining. Such quantities can only be meaningfully addressed using more digital tools, and thus our relationship to information is fundamentally changed. This situation presents a particular challenge to processes of learning and teaching, and demands a response from both information professionals and educators. Enabling education in a digital environment means not only changing the form in which learning opportunities are offered, but also enabling students to survive and prosper in digitally based learning environments. This collection brings together a global community of educators, educational researchers, librarians and IT strategists, to consider how learners need to be equipped in an educational environment that is increasingly suffused with digital technology. Traditional notions of literacy need to be challenged, and new literacies, including information literacy and IT literacy, need to be considered as foundation elements for digitally involved learners. Leading international experts from the USA, Canada, Australia, New Zealand, South Africa, Mexico and throughout Europe contribute to the debate, and Hannelore Rader, Librarian and Dean of the University Libraries, University of Louisville, Kentucky, provides the foreword. The book is in two parts: In Part 1, Literacies in the Digital Age, the contributors analyse how digital technologies have enabled transformative change in the ways in which learning can be constructed, and discuss the nature of the new literacies that have emerged in this new virtual and e-learning environment. In Part 2, Enabling and Supporting Digital Literacies, the contributors go on to consider the ways in which digital literacies can be made available to learners, and how these literacies are being relocated in a more student-centred environment within the broader perspective of learning. Readership: This book takes the issues raised in the successful Information and IT Literacy, also co-edited by Allan Martin, into a broader context. It is essential reading for all information professionals and educators involved in developing strategies and practices for learning in a digital age.

Provides information on stylistic aspects of research papers, theses, and dissertations, including sections on writing fundamentals, MLA documentation style, and copyright law

The essential guide to game play therapy for mental health practitioners The revised and updated third edition of Game Play Therapy offers psychologists and psychiatrists a guide to game play therapy's theoretical foundations and contains the practical applications that are appropriate for children and adolescents. Game playing has proven to invoke more goal-directed behavior, has the benefit of interpersonal interaction, and can perform a significant role in the adaptation to one's environment. With contributions from noted experts in the field, the third edition contains information on the time-tested, classic games and the most recent innovations and advances in game play approaches. Game Play Therapy's revised third edition (like the previous editions) continues to fill a gap in the literature by offering mental health practitioners the information needed to understand why and how to use this intervention effectively. The contributors offer advice for choosing the most useful games from the more than 700 now available and describe the fundamentals of administering the games. This important updated book: Contains material on the recent advances in the field including information on electronic games and disorder-specific games Includes illustrative case studies that explore the process of game therapy Reviews the basics of the underlying principles and applications of game therapy Offers a wide-range of games with empirical evidence of the effectiveness of game therapy Written for psychologists, psychiatrists, and other mental health clinicians, the revised third edition of Game Play Therapy offers a guide that shows how to apply game therapy techniques to promote socialization, encourage the development of identity and self-esteem, and help individuals master anxiety.

Traditionally, nursing is acknowledged as a caring profession and is associated with advocating for others. However, incivility is increasingly occurring amongst nurses, both in the clinical and academic environments, and is causing affected nurses both psychological and physical harm. Incivility Among Nursing Professionals in Clinical and Academic Environments: Emerging Research and Opportunities provides emerging views and consequences surrounding workplace bullying in the healthcare profession including recognizing the signs and symptoms of incivility in the workplace, identifying ways in which affected nurses can seek help, and examining healthy methods of coping with the incivility. Featuring coverage on a broad range of topics such as human resources, therapy, and clinical nursing, this book is ideally designed for nurses, managers, healthcare workers and consumers, hospital and clinical staff, researchers, students, and policymakers. Engendering Social Policy brings new and fresh perspectives to the question of how social policy constructs gendered social relations. With the restructuring of welfare firmly back on the political agenda, in the context of a reassertion that traditional families are the backbone of society, this book raises important issues for students, academics and practitioners grappling with social policy issues at the end of the millennium.

`A comprehensive, well-written and beautifully organized book on publishing articles in the humanities and social sciences that will help its readers write forward with a first-rate guide as good company.' - Joan Bolker, author of Writing Your Dissertation in Fifteen Minutes a Day `Humorous, direct, authentic ... a seamless weave of experience, anecdote, and research.' - Kathleen McHugh, professor and director of the UCLA Center for the Study of Women Wendy Laura Belcher's Writing Your Journal Article in Twelve Weeks: A Guide to Academic Publishing Success is a revolutionary approach to enabling academic authors to overcome their anxieties and produce the publications that are essential to succeeding in their fields. Each week, readers learn a particular feature of strong articles and work on revising theirs accordingly. At the end of twelve weeks, they send their article to a journal. This invaluable resource is the only guide that focuses specifically on publishing

humanities and social science journal articles.

This authoritative volume reviews the breadth of current scientific knowledge on subjective well-being (SWB): its definition, causes and consequences, measurement, and practical applications that may help people become happier. Leading experts explore the connections between SWB and a range of intrapersonal and interpersonal phenomena, including personality, health, relationship satisfaction, wealth, cognitive processes, emotion regulation, religion, family life, school and work experiences, and culture. Interventions and practices that enhance SWB are examined, with attention to both their benefits and limitations. The concluding chapter from Ed Diener dispels common myths in the field and presents a thoughtful agenda for future research.

This book will present available evidence on research interventions and strategies to reduce the incidence of medication errors. This will include discussion regarding common errors and present the best available evidence related to the identification and management of medication incidents (errors) associated with the prescribing, dispensing and administration of medicines in the older person in the acute, subacute, and residential care settings.

Reinforce your understanding of nursing pharmacology! Corresponding to the chapters from the main text, the Study Guide for Clayton's Basic Pharmacology for Nurses, 18th Edition provides you with additional practice to help prepare for and succeed on the NCLEX®. Each exercise is linked to a chapter objective and various patient scenarios encourages you to use your knowledge of clinical pharmacology - further developing your critical thinking skills. Plus, a wide range of question formats reflects the question types you'll encounter on the latest NCLEX. Additional question formats allow you to practice with the new question types found on the NCLEX® exam. Clinical patient scenarios help you to develop critical thinking skills and apply your knowledge of nursing pharmacology. Medication administration handling and practice questions emphasized to reinforce safe medication administration practice. NEW! Exercises and review questions correspond with updated content from the text.

Until now, there has only been a shallow understanding of how the leadership actions of project managers interact with ethics and social responsibility. Empirical research into this subject has been sparse. *Responsible Leadership*, by Nicholas Clarke, Alessia D'Amato, Malcolm Higgs, and Ramesh Vahidi is the first study to investigate how the relationships among managers, team members, and other stakeholders can bring about personal and ethical conflicts that impact decision making. In this groundbreaking book, the authors explore how those who serve as leaders on projects can exercise their roles in ways that respond to the ever-increasing need for ethical decision making. They examine the factors that enable and constrain responsible leadership, looking at the issues faced by project managers as they interact with team members and other stakeholders. *Responsible Leadership* also provides new insights into how project managers view the moral implications of conflicts that occur as they conduct their work and is a valuable addition to the project management toolkit.

Mosby's Canadian Textbook for the Support Worker prepares students to function in the role of support worker in community and institutional settings. The #1 text used by Support Worker programs across Canada and at Canadian-affiliated schools worldwide, the book covers the broad foundation of skills that support workers/resident care aides/health care aides need in order to perform their role safely and effectively. Comprehensive, yet easy to read, Mosby's Canadian Textbook for the Support Worker makes learning easy with clear explanations of concepts and step-by-step presentations of procedures. Numerous full-colour illustrations, photographs, charts, and tables are combined with real-life case studies and examples to provide the reader with an outstanding learning experience. Covers key procedures for Canadian support workers – 95 in total Recognizes provincial/territorial differences in scope of practice Clear, detailed instructions in step-by-step procedures Evidence-based practice: chapter references supplied at end of book Reflects current Canadian practice and terminology Additional First Nations content Chapter summaries to aid student comprehension Rationales for all procedure steps Test Bank features higher-level taxonomies to allow testing that focuses on cognitive level Instructor's Test Bank features higher-level taxonomies to allow testing that focuses on cognitive level And more!

I am a hero worshiper; an insatiable devourer of biographies; and I say that no man in all the splendid list ever equaled Edmund Stonewall. You smile because you have never heard his name, for, until now, his biography has not been written. And this is not truly a biography; it is only the story of the crowning event in Stonewall's career. Really it humbles one's pride of race to see how ignorant the world is of its true heroes. Many a man who cuts a great figure in history is, after all, a poor specimen of humanity, slavishly following old ruts, destitute of any real originality, and remarkable only for some exaggeration of the commonplace. But in the case of Edmund Stonewall the world cannot be blamed for its ignorance, because, as I have already said, his story remains to be written, and hitherto it has been guarded as a profound secret. I do not wish to exaggerate; yet I cannot avoid seeming to do so in simply telling the facts. If Stonewall's proceedings had become matter of common knowledge the world would have been—I must speak plainly—revolutionized. He held in his hands the means of realizing the wildest dreams of power, wealth, and human mastery over the forces of nature, that any enthusiast ever treasured in his prophetic soul.

An introduction to a broad range of topics in deep learning, covering mathematical and conceptual background, deep learning techniques used in industry, and research perspectives. "Written by three experts in the field, *Deep Learning* is the only comprehensive book on the subject." —Elon Musk, cochair of OpenAI; cofounder and CEO of Tesla and SpaceX *Deep learning* is a form of machine learning that enables computers to learn from experience and understand the world in terms of a hierarchy of concepts. Because the computer gathers knowledge from experience, there is no need for a human computer operator to formally specify all the knowledge that the computer needs. The hierarchy of concepts allows the computer to learn complicated concepts by building them out of simpler ones; a graph of these hierarchies would be many layers deep. This book introduces a broad range of topics in deep learning. The text offers mathematical and conceptual background, covering relevant concepts in linear algebra, probability theory and information theory, numerical computation, and machine learning. It describes deep learning techniques used by practitioners in industry,

including deep feedforward networks, regularization, optimization algorithms, convolutional networks, sequence modeling, and practical methodology; and it surveys such applications as natural language processing, speech recognition, computer vision, online recommendation systems, bioinformatics, and videogames. Finally, the book offers research perspectives, covering such theoretical topics as linear factor models, autoencoders, representation learning, structured probabilistic models, Monte Carlo methods, the partition function, approximate inference, and deep generative models. Deep Learning can be used by undergraduate or graduate students planning careers in either industry or research, and by software engineers who want to begin using deep learning in their products or platforms. A website offers supplementary material for both readers and instructors.

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