

The Growth Of Logical Thinking From Childhood To Adolescence

Major New York Times bestseller Winner of the National Academy of Sciences Best Book Award in 2012 Selected by the New York Times Book Review as one of the ten best books of 2011 A Globe and Mail Best Books of the Year 2011 Title One of The Economist's 2011 Books of the Year One of The Wall Street Journal's Best Nonfiction Books of the Year 2011 2013 Presidential Medal of Freedom Recipient Kahneman's work with Amos Tversky is the subject of Michael Lewis's The Undoing Project: A Friendship That Changed Our Minds In the international bestseller, Thinking, Fast and Slow, Daniel Kahneman, the renowned psychologist and winner of the Nobel Prize in Economics, takes us on a groundbreaking tour of the mind and explains the two systems that drive the way we think. System 1 is fast, intuitive, and emotional; System 2 is slower, more deliberative, and more logical. The impact of overconfidence on corporate strategies, the difficulties of predicting what will make us happy in the future, the profound effect of cognitive biases on everything from playing the stock market to planning our next vacation—each of these can be understood only by knowing how the two systems shape our judgments and decisions. Engaging the reader in a

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

lively conversation about how we think, Kahneman reveals where we can and cannot trust our intuitions and how we can tap into the benefits of slow thinking. He offers practical and enlightening insights into how choices are made in both our business and our personal lives—and how we can use different techniques to guard against the mental glitches that often get us into trouble. Winner of the National Academy of Sciences Best Book Award and the Los Angeles Times Book Prize and selected by The New York Times Book Review as one of the ten best books of 2011, *Thinking, Fast and Slow* is destined to be a classic.

"The Guide, in Part I, begins with a brief description of generalized CEA and how it relates to the two questions raised above. It then considers issues relating to study design, estimating costs, assessing health effects, discounting, uncertainty and sensitivity analysis, and reporting results. Detailed discussions of selected technical issues and applications are provided in a series of background papers, originally published in journals, but included in this book for easy reference in Part II." (from the back cover).

Designed for students with no prior training in logic, **INTRODUCTION TO LOGIC AND CRITICAL THINKING** offers an accessible treatment of logic that enhances understanding of reasoning in everyday life. The text begins with an introduction to

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

arguments. After some linguistic preliminaries, the text presents a detailed analysis of inductive reasoning and associated fallacies. This order of presentation helps to motivate the use of formal methods in the subsequent sections on deductive logic and fallacies. Lively and straightforward prose assists students in gaining facility with the sometimes challenging concepts of logic. By combining a sensitive treatment of ordinary language arguments with a simple but rigorous exposition of basic principles of logic, the text develops students' understanding of the relationships between logic and language, and strengthens their skills in critical thinking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A bestselling modern classic—both poignant and funny—about a boy with autism who sets out to solve the murder of a neighbor's dog and discovers unexpected truths about himself and the world.

Nominated as one of America's best-loved novels by PBS's The Great American Read Christopher John Francis Boone knows all the countries of the world and their capitals and every prime number up to 7,057. He relates well to animals but has no understanding of human emotions. He cannot stand to be touched. And he detests the color yellow. This improbable story of Christopher's quest to investigate the suspicious death of a neighborhood

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

dog makes for one of the most captivating, unusual, and widely heralded novels in recent years.

The perfect introductory textbook, this simplified study of logic prepares readers to reason thoughtfully and to spot illogic in an argument.

An essential tool for our post-truth world: a witty primer on logic—and the dangers of illogical thinking—by a renowned Notre Dame professor Logic is synonymous with reason, judgment, sense, wisdom, and sanity. Being logical is the ability to create concise and reasoned arguments—arguments that build from given premises, using evidence, to a genuine conclusion. But mastering logical thinking also requires studying and understanding illogical thinking, both to sharpen one's own skills and to protect against incoherent, or deliberately misleading, reasoning. Elegant, pithy, and precise, Being Logical breaks logic down to its essentials through clear analysis, accessible examples, and focused insights. D. Q. McInerney covers the sources of illogical thinking, from naïve optimism to narrow-mindedness, before dissecting the various tactics—red herrings, diversions, and simplistic reasoning—the illogical use in place of effective reasoning. An indispensable guide to using logic to advantage in everyday life, this is a concise, crisply readable book. Written explicitly for the layperson, McInerney's Being Logical promises to take its place beside Strunk and White's The Elements of Style as

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

a classic of lucid, invaluable advice. Praise for Being Logical “Highly readable . . . D. Q. McInerny offers an introduction to symbolic logic in plain English, so you can finally be clear on what is deductive reasoning and what is inductive. And you’ll see how deductive arguments are constructed.”—Detroit Free Press “McInerny’s explanatory outline of sound thinking will be eminently beneficial to expository writers, debaters, and public speakers.”—Booklist “Given the shortage of logical thinking, And the fact that mankind is adrift, if not sinking, It is vital that all of us learn to think straight. And this small book by D.Q. McInerny is great. It follows therefore since we so badly need it, Everybody should not only but it, but read it.” —Charles Osgood

The brain ... There is no other part of the human anatomy that is so intriguing. How does it develop and function and why does it sometimes, tragically, degenerate? The answers are complex. In *Discovering the Brain*, science writer Sandra Ackerman cuts through the complexity to bring this vital topic to the public. The 1990s were declared the "Decade of the Brain" by former President Bush, and the neuroscience community responded with a host of new investigations and conferences. *Discovering the Brain* is based on the Institute of Medicine conference, *Decade of the Brain: Frontiers in Neuroscience and Brain Research*. *Discovering the Brain* is a "field guide" to the brain--an easy-to-read discussion of the brain's physical structure and where functions such as language and music

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

appreciation lie. Ackerman examines How electrical and chemical signals are conveyed in the brain. The mechanisms by which we see, hear, think, and pay attention--and how a "gut feeling" actually originates in the brain. Learning and memory retention, including parallels to computer memory and what they might tell us about our own mental capacity. Development of the brain throughout the life span, with a look at the aging brain. Ackerman provides an enlightening chapter on the connection between the brain's physical condition and various mental disorders and notes what progress can realistically be made toward the prevention and treatment of stroke and other ailments. Finally, she explores the potential for major advances during the "Decade of the Brain," with a look at medical imaging techniques--what various technologies can and cannot tell us--and how the public and private sectors can contribute to continued advances in neuroscience. This highly readable volume will provide the public and policymakers--and many scientists as well--with a helpful guide to understanding the many discoveries that are sure to be announced throughout the "Decade of the Brain."

This book answers the question, "What is this Logical Thinking Process and how can it be useful to me?" It's a quick read, with pertinent illustrations.

Manhattan Prep's LSAT Logical Reasoning guide, fully updated for the digital exam, will teach you how to untangle Logical Reasoning problems confidently and efficiently. Manhattan Prep's LSAT guides use officially-released LSAT questions and are written by the

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

company's instructors, who have all scored a 172 or higher on the official LSAT—we know how to earn a great score and we know how to teach you to do the same. This guide will train you to approach LSAT logical reasoning problems as a 99th-percentile test-taker does: Recognize and respond to every type of question Deconstruct the text to find the core argument or essential facts Spot—and avoid—trap answers Take advantage of the digital format to work quickly and strategically Each chapter in LSAT Logical Reasoning features drill sets—made up of real LSAT questions—to help you absorb and apply what you've learned. The extensive solutions walk you through every step needed to master Logical Reasoning, including an in-depth explanation of every answer choice, correct and incorrect.

This book is designed to engage students' interest and promote their writing abilities while teaching them to think critically and creatively. Dowden takes an activist stance on critical thinking, asking students to create and revise arguments rather than simply recognizing and criticizing them. His book emphasizes inductive reasoning and the analysis of individual claims in the beginning, leaving deductive arguments for consideration later in the course.

Argues that Americans must improve their understanding of probability and logic

'A major rewrite of Dettmer's classic Goldratt's Theory of Constraints, this new edition presents a whole new approach to building and applying logic trees. The logical thinking process referred to in the title is nothing less

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

than a broadly applicable, systems-level approach to policy analysis. Dettmer has streamlined the process of constructing the logic trees while simultaneously ensuring that the results are more logically sound and closer representations of reality than ever before. He explains an easier, more logically sound way to integrate Current Reality Trees with Evaporating Clouds. His new version of the thinking process "retires" the Transition Tree in favor of the marriage of a more detailed Prerequisite Tree and critical chain project management. This book contains new examples of logic trees from a variety of real-world applications. Most of the diagrams and illustrations are new and improved. Explanations and procedures for constructing the logic trees are considerably simplified.

Do you often think there is something in your mind hindering your success? Do you know that each of us has an untapped potential? Have you ever got easily frustrated and irritated with matters issues you can't control? Do you have any regrets because you could have avoided problems if only you had thought about it before? Have you made terrible decisions and need to make a complete 180-degree change in your life's direction? Whenever you have a problem, you must avoid decision-making based on emotions or prejudices and face it with a critical mind. The best way to improve how we think is to train changing our thinking habits. Learn how to clarify to show the links between the problem, its causes and potential solutions: this book will provide you with all

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

the tools and skills you need to learn through practical exercises. Improving critical thinking is part of your personal growth: you will learn how to feed your mind and reach your full potential. In this book, you will learn:

- Many Questions you Could Ask Yourself to Evaluate Your Weaknesses and Your Strengths
- In Thinking Techniques to Get Out the Most of Your Time
- 8 Subskills to Find an Answer to a Problem and Develop New Ideas
- How to Make Better Choices Using Both Logic and Creativity
- The 5 Aspects That Influence Our Choices
- Analyzing Facts and Applying Logic
- Tips for Being a Better Decision-Maker
- 3 Non-Mental Stuff you Need to Make Sure Your Brain is in Great Physical Health
- 40 Powerful Strategies to Improve Critical Thinking
- 12 Effective Practical Recommendations for Introducing the Scientific Method into Your Lives
- Identify Other People's Arguments and Critically Deal With Fake News
- Essential Mental Exercises

Whether you make a decision surrounding your personal life or one that deals with a professional side, you'll have to make some tough choices throughout time. Sometimes we blame others, outside sources, and general fate for how we have ended up. Whether you are a logical thinker or you are more creative, you will learn to combine both logic and creativity to make better choices. Did you make a wrong decision? You will be able to learn something from this mistake, giving yourself a better chance to improve next time. You

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

will learn a sequence of key steps that will lead you from understanding your problem to implementing the best possible solution. You should be the person that is able to decide the fate of your future. Take control over your future! Challenge and train your thinking whenever you have spare time and start building your foundation towards being a critical thinker. Are you anxious to become a critical thinker? It is a need to say yes to the challenge in improving our thinking. Take a step further. Scroll up and start Reading Now.

The General Theory of Employment, Interest, and Money, written by legendary author John Maynard Keynes is widely considered to be one of the top 100 greatest books of all time. This masterpiece was published right after the Great Depression. It sought to bring about a revolution, commonly referred to as the 'Keynesian Revolution', in the way economists thought—especially challenging the proposition that a market economy tends naturally to restore itself to full employment on its own. Regarded widely as the cornerstone of Keynesian thought, this book challenged the established classical economics and introduced new concepts. 'The General Theory of Employment, Interest, and Money' transformed economics and changed the face of modern macroeconomics. Keynes' argument is based on the idea that the level of employment is not determined by the price of labour, but by the

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

spending of money. It gave way to an entirely new approach where employment, inflation and the market economy are concerned.

In the childhood of every human being and at the dawn of human history there is an amazing and, until now, unexplained leap from simple genetically programmed behavior to language, symbolic thinking, and culture. In *The First Idea*, Stanley Greenspan and Stuart Shanker explore this missing link and offer brilliant new insights into two longstanding questions: how human beings first create symbols and how these abilities evolved and were transmitted across generations over millions of years. From fascinating research into the intelligence of both human infants and apes, they identify certain cultural practices that are vitally important if we are to have stable and reflective future societies.

This is the second volume of a unique collection that brings together the best English-language problems created for students competing in the Computational Linguistics Olympiad. These problems are representative of the diverse areas presented in the competition and designed with three principles in mind: · To challenge the student analytically, without requiring any explicit knowledge or experience in linguistics or computer science; · To expose the student to the different kinds of reasoning required when encountering a new phenomenon in a language, both as a theoretical topic and as an

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

applied problem; · To foster the natural curiosity students have about the workings of their own language, as well as to introduce them to the beauty and structure of other languages; · To learn about the models and techniques used by computers to understand human language. Aside from being a fun intellectual challenge, the Olympiad mimics the skills used by researchers and scholars in the field of computational linguistics. In an increasingly global economy where businesses operate across borders and languages, having a strong pool of computational linguists is a competitive advantage, and an important component to both security and growth in the 21st century. This collection of problems is a wonderful general introduction to the field of linguistics through the analytic problem solving technique. "A fantastic collection of problems for anyone who is curious about how human language works! These books take serious scientific questions and present them in a fun, accessible way. Readers exercise their logical thinking capabilities while learning about a wide range of human languages, linguistic phenomena, and computational models. " - Kevin Knight, USC Information Sciences Institute

Over the past century, educational psychologists and researchers have posited many theories to explain how individuals learn, i.e. how they acquire, organize and deploy knowledge and skills. The 20th century

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

can be considered the century of psychology on learning and related fields of interest (such as motivation, cognition, metacognition etc.) and it is fascinating to see the various mainstreams of learning, remembered and forgotten over the 20th century and note that basic assumptions of early theories survived several paradigm shifts of psychology and epistemology. Beyond folk psychology and its naïve theories of learning, psychological learning theories can be grouped into some basic categories, such as behaviorist learning theories, connectionist learning theories, cognitive learning theories, constructivist learning theories, and social learning theories. Learning theories are not limited to psychology and related fields of interest but rather we can find the topic of learning in various disciplines, such as philosophy and epistemology, education, information science, biology, and – as a result of the emergence of computer technologies – especially also in the field of computer sciences and artificial intelligence. As a consequence, machine learning struck a chord in the 1980s and became an important field of the learning sciences in general. As the learning sciences became more specialized and complex, the various fields of interest were widely spread and separated from each other; as a consequence, even presently, there is no comprehensive overview of the sciences of learning or the central theoretical concepts and

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

vocabulary on which researchers rely. The Encyclopedia of the Sciences of Learning provides an up-to-date, broad and authoritative coverage of the specific terms mostly used in the sciences of learning and its related fields, including relevant areas of instruction, pedagogy, cognitive sciences, and especially machine learning and knowledge engineering. This modern compendium will be an indispensable source of information for scientists, educators, engineers, and technical staff active in all fields of learning. More specifically, the Encyclopedia provides fast access to the most relevant theoretical terms provides up-to-date, broad and authoritative coverage of the most important theories within the various fields of the learning sciences and adjacent sciences and communication technologies; supplies clear and precise explanations of the theoretical terms, cross-references to related entries and up-to-date references to important research and publications. The Encyclopedia also contains biographical entries of individuals who have substantially contributed to the sciences of learning; the entries are written by a distinguished panel of researchers in the various fields of the learning sciences.

The Growth of Logical Thinking from Childhood to Adolescence
An Essay on the Construction of Formal Operational Structures
Psychology Press

For centuries, educational policymakers have believed that

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

studying mathematics is important, in part because it develops general thinking skills that are useful throughout life. This 'Theory of Formal Discipline' (TFD) has been used as a justification for mathematics education globally. Despite this, few empirical studies have directly investigated the issue, and those which have showed mixed results. Does Mathematical Study Develop Logical Thinking? describes a rigorous investigation of the TFD. It reviews the theory's history and prior research on the topic, followed by reports on a series of recent empirical studies. It argues that, contrary to the position held by sceptics, advanced mathematical study does develop certain general thinking skills, however these are much more restricted than those typically claimed by TFD proponents. Perfect for students, researchers and policymakers in education, further education and mathematics, this book provides much needed insight into the theory and practice of the foundations of modern educational policy.

This book has two aims: to set forth a description of changes in logical operations between childhood and adolescence and to describe the formal structures that mark the completion of the operational development of intelligence. To tie these together the authors have tried to present the material in a way that would stress the close relationship between the two. Each of the first fifteen chapters (Parts I and II) includes an experimental part by the first author and a brief final analysis by the second author. This analysis aims to isolate the formal or propositional structures found in each case. Chapters 16 and 17 (beginning of Part III) are the work of the second author, whereas Chapter 18 is a joint production. In addition, the specific problems of experimental induction analyzed from a functional standpoint (as distinguished from the present structural analysis) will be the subject of a special work by the first author. (PsycINFO Database Record (c) 2004 APA, all

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

rights reserved).

This book contains a discursive study on the act or faculty of employing reason in argument, ratiocination, disputation and discussion.

Lean Logic is David Fleming's masterpiece, the product of more than thirty years' work and a testament to the creative brilliance of one of Britain's most important intellectuals. A dictionary unlike any other, it leads readers through Fleming's stimulating exploration of fields as diverse as culture, history, science, art, logic, ethics, myth, economics, and anthropology, being made up of four hundred and four engaging essay-entries covering topics such as Boredom, Community, Debt, Growth, Harmless Lunatics, Land, Lean Thinking, Nanotechnology, Play, Religion, Spirit, Trust, and Utopia. The threads running through every entry are Fleming's deft and original analysis of how our present market-based economy is destroying the very foundations--ecological, economic, and cultural-- on which it depends, and his core focus: a compelling, grounded vision for a cohesive society that might weather the consequences. A society that provides a satisfying, culturally-rich context for lives well lived, in an economy not reliant on the impossible promise of eternal economic growth. A society worth living in. Worth fighting for. Worth contributing to. The beauty of the dictionary format is that it allows Fleming to draw connections without detracting from his in-depth exploration of each topic. Each entry carries intriguing links to other entries, inviting the enchanted reader to break free of the imposed order of a conventional book, starting where she will and following the links in the order of her choosing. In combination with Fleming's refreshing writing style and good-natured humor, it also creates a book perfectly suited to dipping in and out. The decades Fleming spent honing his life's work are evident in the lightness and mastery with which Lean Logic draws on an

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

incredible wealth of cultural and historical learning--from Whitman to Whitefield, Dickens to Daly, Kropotkin to Kafka, Keats to Kuhn, Oakeshott to Ostrom, Jung to Jensen, Machiavelli to Mumford, Mauss to Mandelbrot, Leopold to Lakatos, Polanyi to Putnam, Nietzsche to Næss, Keynes to Kumar, Scruton to Shiva, Thoreau to Toynbee, Rabelais to Rogers, Shakespeare to Schumacher, Locke to Lovelock, Homer to Homer-Dixon--in demonstrating that many of the principles it commends have a track-record of success long pre-dating our current society. Fleming acknowledges, with honesty, the challenges ahead, but rather than inducing despair, Lean Logic is rare in its ability to inspire optimism in the creativity and intelligence of humans to nurse our ecology back to health; to rediscover the importance of place and play, of reciprocity and resilience, and of community and culture. ----- Recognizing that Lean Logic's sheer size and unusual structure could be daunting, Fleming's long-time collaborator Shaun Chamberlin has also selected and edited one of the potential pathways through the dictionary to create a second, stand-alone volume, *Surviving the Future: Culture, Carnival and Capital in the Aftermath of the Market Economy*. The content, rare insights, and uniquely enjoyable writing style remain Fleming's, but presented at a more accessible paperback-length and in conventional read-it-front-to-back format.

Help children of all learning styles and strengths improve their critical thinking skills with these creative, cross-curricular activities. Each engaging activity focuses on skills such as recognizing and recalling, evaluating, and analyzing.

Thinking Skills, second edition, is the only endorsed book offering complete coverage of the Cambridge International AS and A Level syllabus.

Written in a clear, precise and user-friendly style,

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

Logic as a Tool: A Guide to Formal Logical Reasoning is intended for undergraduates in both mathematics and computer science, and will guide them to learn, understand and master the use of classical logic as a tool for doing correct reasoning. It offers a systematic and precise exposition of classical logic with many examples and exercises, and only the necessary minimum of theory. The book explains the grammar, semantics and use of classical logical languages and teaches the reader how grasp the meaning and translate them to and from natural language. It illustrates with extensive examples the use of the most popular deductive systems -- axiomatic systems, semantic tableaux, natural deduction, and resolution -- for formalising and automating logical reasoning both on propositional and on first-order level, and provides the reader with technical skills needed for practical derivations in them. Systematic guidelines are offered on how to perform logically correct and well-structured reasoning using these deductive systems and the reasoning techniques that they employ.

- Concise and systematic exposition, with semi-formal but rigorous treatment of the minimum necessary theory, amply illustrated with examples
- Emphasis both on conceptual understanding and on developing practical skills
- Solid and balanced coverage of syntactic, semantic, and deductive aspects of logic
- Includes extensive sets of

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

exercises, many of them provided with solutions or answers •Supplemented by a website including detailed slides, additional exercises and solutions For more information browse the book's website at: <https://logicasatool.wordpress.com>

Success Through Logical Thinking follows the Author's philosophical approach to self improvement, by identifying and avoiding the pitfalls of emotional thinking, for the benefits of rational thinking. Training to improve performance, by training to improve positive thinking, being, behaving, and acting. This speaks to a continuum of growth, not just in achievements, but in the greater depth of true fulfillment. Frank's work in self development was sparked by his entrepreneurial ventures and his time in service. With his mix of self development, enthusiasm, optimism, and self reliance, Dr. Layman's emphasis focuses on the need to take control of our own life. He advocates "Approach above circumstance allows for success, and there exists a solution to our hardship," which he provides in his writings; his insights for daily growth and development. The aim of all his writings is to help direct, improve, and advance the reader's focus on what is important, will bring joy and inner peace to life, and help readers become more growth oriented. American self-help advocate, author, speaker, and lecturer. -DrFrankLayman©

What are philosophers trying to achieve? How can

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

they succeed? Does philosophy make progress? Is it in competition with science, or doing something completely different, or neither? Timothy Williamson tackles some of the key questions surrounding philosophy in new and provocative ways, showing how philosophy begins in common sense curiosity, and develops through our capacity to dispute rationally with each other. Discussing philosophy's ability to clarify our thoughts, he explains why such clarification depends on the development of philosophical theories, and how those theories can be tested by imaginative thought experiments, and compared against each other by standards similar to those used in the natural and social sciences. He also shows how logical rigour can be understood as a way of enhancing the explanatory power of philosophical theories. Drawing on the history of philosophy to provide a track record of philosophical thinking's successes and failures, Williamson overturns widely held dogmas about the distinctive nature of philosophy in comparison to the sciences, demystifies its methods, and considers the future of the discipline. From thought experiments, to deduction, to theories, this little book will cause you to totally rethink what philosophy is.

Using a new, systematic framework, this illuminating book turns ideation into a task anybody with sound logic and a determination to learn can do, and do well, by separating the process from the outcome. In

File Type PDF The Growth Of Logical Thinking From Childhood To Adolescence

a competitive marketplace, all firms must constantly innovate to create sustained shareholder value. The main roadblock in innovation is ideation: the identification of value-creating ideas, often seen as the work of innately creative people. This first-of-its-kind textbook demonstrates that anyone can ideate through specific logical processes that require no creativity when used, but generate valuable and creative outcomes. To help students master and apply these methods, the book is filled with innovation examples across many sectors that can be explained and recreated using a specific LCT method. The book also includes exercises that enable readers to practice applying each method to solve real life innovation challenges. Upper-level undergraduate and postgraduate students of innovation, creativity, and new product development will appreciate the demystification of ideation into a problem that can be solved by applying a series of rigorous, defined methods that can be followed without ambiguity.

First Published in 1999. Routledge is an imprint of Taylor & Francis, an informa company.

[Copyright: 1babff40e289fae46ec5eeb6e66bfcd4](#)