The Cambridge Handbook of Expertise and Expert Performance

Cambridge Handbooks in Psychology

In this book, some of the world's foremost experts on expertise provide scientific knowledge on expertise and expert performance during the last twenty years. Our understanding of expertise has dramatically increased laboratory analysis of chess masters, experts in physics, medicine, music, and performance. Artists have included careful examination of the cognitive processes mediating outstanding performance in very diverse areas of expertise. These analyses have shown that expert performance is primarily a reflection of acquired skill resulting from the accumulation of domain-specific knowledge and methods. During many years of training practice, the importance of domain-specific knowledge has led researchers on expertise to focus on characteristics of expertise in specific domains. Toward a general theory of expertise, many of the world's foremost scientists review the state of the art knowledge about expertise in different domains with the goal of identifying characteristics of expert performance that are generalizable across many different areas of expertise. These essays provide a comprehensive summary of general methods for studying expertise and of current knowledge about expertise in chess, physics, medicine, sports, and performance arts. Music writing and decision making are included. These analyses have shown that expert performance is primarily a reflection of acquired skill resulting from the accumulation of domain-specific knowledge and methods.

Review of Scientific Knowledge on Expertise and Expert Performance


Review of Scientific Knowledge on Expertise and Expert Performance and How Experts May Differ from Non-Experts in Terms of Their Development, Training, Reasoning, Knowledge, Social Support, and Innate Talent from the Use of Expert Testimony in the Courtroom to the Advice We Rely on to Solve Key Economic, Political, and Social Problems. Expertise is an Essential Part of Our Decision-Making Process, However, the Extent to Which Experts Can Be Trusted Is a Subject of Persistent and Contentious Debate. The Philosophy of Expertise is the First Collection to Explore the Fundamental Philosophical Issues Surrounding These Authorities and Their Expert Knowledge.

Part 1 considers the problems surrounding the issue of trust and deference. Part 2 launches a phenomenological clarification of expertise that pinpoints the universal structures embodied in cognition and affect. Part 3 examines the consequences of the social and technical externalization of expertise. Contributors including Edward Said, Alvin Goldman, Peter Singer, Hubert Dreyfus, Julia Annas, Harry Collins, and Don Ihde draw on a number of intellectual approaches to explore the justification of expert authority, the potentially dangerous role of expertise in a liberal democratic society, how laypeople can critique experts, and the social and ideological character of expert advice. The contributors also discuss the reasoning process of judges and juries, the ancient Greek view of moral conduct, and the incorporation of experts into governmental bureaucracy by honestly tackling the legitimacy and consistency of various positions. This volume sheds much needed light on the theoretical dimensions of a controversial and pervasive practice.
trust his review sketches out the ancient origins of the concept discussing its early association with cunning skill and authority and covering the sort of training that ancient thinkers believed was required for expertise. Watson looks at the evolution of the expert in the middle ages into a type of genius or innate talent moving to the role of psychological research in 16th century Germany the influence of Darwin the impact of behaviorism and its interest to computer scientists and its transformation into the largely cognitive concept psychologists study today. In this book Stehr and Grundmann outline the theoretical significance and practical importance of the growing stratum of experts counsellors and advisors in contemporary society they argue that these experts perform knowledge based activities that mediate between the context of knowledge creation and application existing approaches tend to restrict the role of the expert to scientists or to conflate the roles of professionals with experts in avoiding such restrictions this book sets out a framework to understanding the growing role of expertise in a better way subject matter experts are the most valuable members of any organization period they establish vision forge paths create products solve problems sell customers define policies and cure ailments companies cannot prosper without them since unlike non experts they provide the scaffolding upon which all other functions of the organization depend they hold the jewels of knowledge in their organizations and are typically the top performers in their fields but few company leaders ensure their experts are thoroughly developed as experts and often leave their effectiveness to chance. Alan Berry addresses the challenges that confront experts and explores the techniques of top performers including how they apply their expertise and maximize their power have you ever wondered how people judge your expertise and why it matters in your career? Beyond expertise is about the craft of the expert the artful application of expertise it is about bringing your expertise out of the dark and maximizing your impact it is about honing your influence with clients and boosting your authority with colleagues in short it is about becoming a compelling agent of change in any environment and with any audience. Alan Berry is the founder of Expert Dig Inc, a research and training venture committed to the advancement of corporate experts with decades long experience as a subject matter expert he was CEO of multiple startups and vice president of business development at multiple technology companies he has served clients in high tech manufacturing financial services telecommunications transportation health care and government the social psychology of expertise offers an integrative perspective to the analysis of experts and expertise in organizations social roles management etc it is the first book to link the psychology of expertise to sociology particularly the sociology of professions by examining the converging elements of both approaches and investigating the conditions of interactions with all types of experts the social psychology of expertise makes it possible to understand the market form of expert services this book introduces the expert role approach a new and encompassing view on the role of experts and how to use the experts expertise in organizations. Financial markets and environmental issues enhances a mutual understanding between the psychology of expertise and the sociology of professions for students as well as scholars provides a helpful understanding of dealing with experts in the context of organizational behavior shows how we can make proper use of the experts expertise in management and planning demonstrates how the role of experts influences volatility in financial markets and defines the limits of human expertise in predicting climate change expertise arouses fears of a society ruled by an elite of specialists in white coats or else it arouses derision because of the ineffectual bumbling of the so called experts in surpassing ourselves Bereiter and Scardamalia demonstrate that these stereotypes of expertise are false drawing upon the latest research in cognitive psychology they show that expertise is something other than training experience knowledge or formal qualifications many individuals acquire all these without ever becoming experts while some beginners even schoolchildren already
fashion expertise is a process of progressive problem solving in which people continuously rethink and redefine their tasks. A future expert society will not be a heaven in which all problems have disappeared but a realistic utopia in which endless problem solving will be a highly valued part of life. There is a deep distrust of experts in America today, influenced by populist politics. Many question or downright ignore the recommendations of scientists, scholars, and others with specialized training. It appears that expertise, a critical component of democratic life, no longer appeals to wide swaths of the body politic. Expertise is a robust defense of the expert class. Ashley Rose Mehlenbacher examines modern and ancient theories of expertise through the lens of rhetoric and interviews some forty professionals revealing how they understand their own expertise and how they came to be known as experts. She shows that expertise requires not only knowledge and skill but also crucially an acknowledgment by others that one is a credible authority. At its heart, expertise is a rhetorical construct and to be persuasive, experts must have the ability to apply their knowledge and skills rightly in the right way at the right time to achieve the right end. Ultimately, Mehlenbacher argues that experts apply their technical knowledge effectively and win others' trust through acting prudently and cultivating goodwill. Timely, practical, and sophisticated on expertise provides vital scaffolding for our understanding of expertise and its real-world application. This book is essential for beginning the work of rehabilitating the expert class amid a politics of extreme populism and anti-intellectualism. The essays in this collection explore our reliance on experts within a historical context and across a wide range of fields, including agriculture, engineering, health sciences, and labor management. Contributors argue that experts were highly aware of their audiences and used performance to gain both scientific and popular support. In this book, Stehr and Grundmann outline the theoretical significance and practical importance of the growing stratum of experts counselors and advisors in contemporary society and claim that the growing spectrum of knowledge-based occupations has led to the pluralization of expertise as decision makers in organizations and private citizens for various reasons increasingly seek advice from experts. The authors examine the nature of expert activity and suggest that the role of experts needs to be distinguished from other roles such as professionals, scientists, or intellectuals. They argue that experts perform knowledge-based activities that mediate between the context of knowledge creation and application. This book sets out a framework to understanding the growing role of expertise in a better way. Expertise provides thought-provoking discussion that will be of interest to postgraduate students and academics working within the fields of social theory, knowledge, and consumption.
of key importance for society with implications for training methods and the development of artificial expert systems. Leadership expertise and collaborative working are fundamental aspects of efficient and effective healthcare; this book offers a comprehensive overview of the general theories, principles, and points of good practice in each of these three areas. This general literature is then contextualised by theoretical and practical implications for maternity care and illustrated with in-depth case studies of successful innovation and change in practice. Essential reading for all midwives, midwifery students, and others working in or studying maternity care, this book helps readers understand the theoretical underpinnings of effective leadership expertise and collaborative working, and provides inspirational case studies of change and innovation. It is part of the acclaimed Essential Midwifery Practice series. This title brings together national and international experts in the field, offering a theoretical and practical exploration of the nature and application of leadership expertise and collaborative working in midwifery. It provides inspirational case studies of change and innovation, bringing together national and international experts in the field.
Gil Eyal and Thomas Medvetz have brought together a broad group of scholars who have engaged substantively and theoretically with debates regarding the nature of expertise and the social roles of experts to examine these areas within sociology and allied disciplines. The analyses take an historical and relational approach to the topic and are motivated by the sense that growing mistrust in experts represents a danger to democratic politics today. The chapters will be organized into three general parts: key theoretical and historical debates about expertise, the politics of expertise, and expertise within and across professional disciplinary legal and intellectual spheres. Among the topics considered here are the value and relevance of the boundary between experts and laypeople, the causes and consequences of mistrust in experts, the meanings and social uses of objectivity, and the significance of recent transformations in the organization of the professions. Bringing together investigations from social scientists, philosophers, and legal scholars into the political dimensions of expertise, this handbook connects interdisciplinary work done in science and technology studies with the more classic concerns topics and concepts of sociologists of professions and intellectuals. This book examines the position and role of expertise in European policy making and governance at a time when the very notion of expertise and expert advice is increasingly losing authority. The book addresses these challenges by empirically examining specific administrative processes and institutional designs in the European Union. The first part of the volume theorizes expertise and its contestation by examining accounts of the legitimate institutional design of knowledge production processes and exploring the theoretical links of Europeanization and expertise. The second part of the book delves into empirical institutionalist accounts of expertise and maps the role of experts in a variety of EU institutions but also explains the implications when EU bodies themselves are in an expert position such as agencies. The book offers insights into how individual experts deal with the challenge of producing reports that will be heard by policy makers while at the same time preserving their independence. Broadening its scope, the book then expands the analysis to the role of advisory committees in light of the shift from a reliance primarily on in-house expertise to including more external experts in advisory groups in the European Commission and European Parliament as well as at the European External Action Service. In the third part, the book opens the lens to developments beyond the EU by taking into account two highly pertinent fields: climate change and trade. These fields are highly complex, fast developing, and politicized issues, and the book engages with them in order to provide an outside-in perspective on expertise. Chapter 6 is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.
bronzes of racial types from around the world a unique visual mediation between anthropological expertise and everyday ideas about race in interwar america kim explores how the artist brought scientific understandings of race and the everyday racial attitudes of museum visitors together in powerful and productive friction the exhibition compelled the artist to incorporate not only the expertise of racial science and her own artistic training but also the popular ideas about race that ordinary americans brought to the museum kim situates the races of mankind exhibit at the juncture of these different forms of racial expertise and examines how the sculptures represented the messy resolutions between them race experts is a compelling story of ideological contradiction and accommodation within the racial practices of american museums artists and audiences cultural expertise in the form of expert opinions formulated by social scientists appointed as experts in the legal process is not different from any other kind of expertise in court in specialised fields of law such as native land titles in america and in australia the appointment of social scientists as experts in court is a consolidated practice this special issue focuses on the contemporary evolution and variation of cultural expertise as an emergent concept providing a conceptual umbrella for a variety of evolving practices which all include use of the specialised knowledge of social sciences for the resolution of conflicts it surveys the application of cultural expertise in the legal process with an unprecedented span of fields ranging from criminology and ethnopsychiatry to the recognition of the rights of autochthone minorities including linguistic expertise and modern reformulation of cultural rights in this special issue the emphasis is on the development and change of culture related expert witnessing over recent times culture related adjudication and resolution of disputes criminal litigation and other kinds of court and out of court procedures this special issue offers descriptions of judicial practices involving experts in local laws and customs and surveys of the most frequent fields of expert witnessing that are related with culture interrogates who the experts are their links with local communities and also with the courts and the state power and politics how cultural expert witnessing has been received by judges how cultural expertise has developed across the sister disciplines of history and psychiatry and eventually it asks whether academic truth and legal truth are commensurable across time and space since the reform and opening up policy was implemented in china consultations have been increasingly carried out during the policy making process this often involves experts many of whom are based in think tanks or similar institutions the degree of access to the policy making process varies and consequently some experts influence the policy making process significantly and others not this book explores how experts in china engage with the policy making process and the circumstances which affect how far they are able to influence policy making this work discusses the development of wood for electric power in response to the energy crisis frankena studies the role and impact of technical expertise using an in depth case study and a comparative review of wood fired power plant controversies in the united states the relevance of expertise to professional education and practice is explored in this collection of original contributions from educationalists philosophers and psychologists discusses the increasingly prominent debates about the nature of know how in mainstream analytical epistemology illuminates what is involved in professional expertise and the implications of a sound understanding of professional expertise for professional education practice curriculum design and assessment all contributions are philosophically grounded and reflect interdisciplinary advances in understanding expertise experts who were the sole active dispensers of certain kinds of knowledge in the days before ai have now often assumed a rather passive role they relay their knowledge to various novices knowledge engineers experimental psychologists or cognitivists or other experts involved in the development and understanding of expert systems this book achieves a perfect
theoreticians who deal with expertise it tries to establish the benefits to society of an advanced technology for representing and disseminating the knowledge and skills of the best corporate managers the most seasoned pilots and the most renowned medical diagnosticians this book interests psychologists as well as all those out in the trenches developing expert systems and everyone pondering the nature of expertise and the question of how it can be studied scientifically its scope the pivotal concepts which it elucidates and brilliantly summarizes and appraises in the final chapter as well as the references it includes make this book a landmark in the field technological development has changed the nature of industrial production so that it is no longer a question of humans working with a machine but rather that a joint human machine system is performing the task this development which started in the 1940s has become even more pronounced with the proliferation of computers and the invasion of digital technology in all wakes of working life it may appear that the importance of human work has been reduced compared to what can be achieved by intelligent software systems but in reality the opposite is true the more complex a system the more vital the human operator s task the conditions have changed however whereas people used to be in control of their own tasks today they have become supervisors of tasks which are shared between humans and machines a considerable effort has been devoted to the domain of administrative and clerical work and has led to the establishment of an internationally based human computer interaction hci community at research and application levels the hci community however has paid more attention to static environments where the human operator is in complete control of the situation rather than to dynamic environments where changes may occur independent of human intervention and actions this book s basic philosophy is the conviction that human operators remain the unchallenged experts even in the worst cases where their working conditions have been impoverished by senseless automation they maintain this advantage due to their ability to learn and build up a high level of expertise a foundation of operational knowledge during their work this expertise must be taken into account in the development of efficient human machine systems in the specification of training requirements and in the identification of needs for specific computer support to human actions supporting this philosophy this volume deals with the main features of cognition in dynamic environments combining issues coming from empirical approaches of human cognition and cognitive simulation addresses the question of the development of competence and expertise and proposes ways to take up the main challenge in this domain the design of an actual cooperation between human experts and computers of the next century the development of an athlete from basic performance to elite level is a long and complicated process this fully revised and updated new edition of the leading introduction to expertise in sport examines the fundamental science of skill acquisition and explores the methods by which science can be applied in the real world context of sport performance with insights from leading coaches in each chapter and new material on topics such as instruction and observation and expert visual perception developing sport expertise is invaluable reading for all researchers and students in the areas of expertise skill acquisition motor control and development sport psychology or coaching this edited volume advances existing research on the production and use of expert knowledge by international bureaucracies given the complexity technicality and apparent apolitical character of the issues dealt with in global governance arenas evidence based policy making has imposed itself as the best way to evaluate the risks and consequences of political action in global arenas in the absence of alternative democratic modes of legitimation international organizations have adopted this approach to policy making by treating international bureaucracies as strategic actors this volume address novel questions why and how do international bureaucrats deploy knowledge in policy making where does the knowledge they use come from and how can we retrace pathways between the origins of certain ideas and their adoption in practice
what kind of evidence do international bureaucrats resort to and with what implications which types of knowledge are seen as authoritative and why this volume makes a crucial contribution to our understanding of the way global policy agendas are shaped and propagated it will be of great interest to scholars policy makers and practitioners in the fields of public policy international relations global governance and international organizations

Matthew Stewart might not have seemed a likely candidate to become a consultant but soon he was telling veteran managers how to run their companies in narrating his own ill-fated and often hilarious odyssey at a top tier firm stewart turns the consultant’s merciless penetrating eye on the management industry itself the management myth offers an insightful romp through the entire history of thinking about management a withering critique of pseudoscience in management theory and a clear explanation of why the mba usually amounts to so much bs leading us through the wilderness of american business thought an eye opening exploration of why experts are constantly misleading us and what we can do about it
The Cambridge Handbook of Expertise and Expert Performance 2018-05-17 in this book some of the world's foremost experts on expertise provide scientific knowledge on expertise and expert performance

Toward a General Theory of Expertise 1991-08-30 during the last twenty years our understanding of expertise has dramatically increased laboratory analysis of chess masters experts in physics and medicine musicians athletics writers and performance artists have included careful examination of the cognitive processes mediating outstanding performance in very diverse areas of expertise these analyses have shown that expert performance is primarily a reflection of acquired skill resulting from the accumulation of domain specific knowledge and methods during many years of training practice the importance of domain specific knowledge has led researchers on expertise to focus on characteristics of expertise in specific domains in toward a general theory of expertise many of the world's foremost scientists review the state of the art knowledge about expertise in different domains with the goal of identifying characteristics of expert performance that are generalizable across many different areas of expertise these essays provide a comprehensive summary of general methods for studying expertise and of current knowledge about expertise in chess physics medicine sports and performance arts music writing and decision making most important the essays reveal the existence of many general characteristics of expertise

The Cambridge Handbook of Expertise and Expert Performance 2006 review of scientific knowledge on expertise and expert performance and how experts may differ from non experts in terms of their development training reasoning knowledge social support and innate talent

The Cambridge Handbook of Expertise and Expert Performance 2006 review of scientific knowledge on expertise and expert performance and how experts may differ from non experts in terms of their development training reasoning knowledge social support and innate talent

Cambridge Handbook of Expertise and Expert Performance 2006 from the use of expert testimony in the courtroom to the advice we rely on to solve key economic political and social problems expertise is an essential part of our decision making process however the extent to which experts can be trusted is a subject of persistent and contentious debate the philosophy of expertise is the first collection to explore the fundamental philosophical issues surrounding these authorities and their expert knowledge part 1 considers the problems surrounding the issue of trust and deference part 2 launches a phenomenological clarification of expertise that pinpoints the universal structures embodied in cognition and affect and part 3 examines the consequences of the social and technical externalization of expertise contributors including edward said alvin goldman peter singer hubert dreyfus julia annas harry collins and don ihde draw on a number of intellectual approaches to explore the justification of expert authority the potentially dangerous role of expertise in a liberal democratic society how laypeople can critique experts and the social and ideological character of expert advice the contributors also discuss the reasoning process of judges and juries the ancient greek view of moral conduct and the incorporation of experts into governmental bureaucracy by honestly tackling the legitimacy and consistency of various positions this volume sheds much needed light on the theoretical dimensions of a controversial and pervasive practice contributors alvin i goldman don ihde edward said evan selinger and john mix evan selinger and robert p crease h m collins and robert evans hélène mialet hubert dreyfus john hardwig julia annas paul feyerabend peter singer scott brewer steve fuller steven turner

The Philosophy of Expertise 2006 in this comprehensive tour of the long history and philosophy of expertise from ancient greece to the 20th century jamie carlin watson tackles the question of expertise and why we can be skeptical of what experts say making a valuable contribution to contemporary philosophical debate
disagreement and trust his review sketches out the ancient origins of the concept discussing its early association with cunning skill and authority and covering the sort of training that ancient thinkers believed was required for expertise.

Watson looks at the evolution of the expert in the middle ages into a type of genius or innate talent moving to the role of psychological research in 16th century Germany the influence of Darwin the impact of behaviorism and its interest to computer scientists and its transformation into the largely cognitive concept psychologists study today.

A History and Philosophy of Expertise 2021-11-18 In this book Stehr and Grundmann outline the theoretical significance and practical importance of the growing stratum of experts counsellors and advisors in contemporary society they argue that these experts perform knowledge based activities that mediate between the context of knowledge creation and application existing approaches tend to restrict the role of the expert to scientists or to conflate the roles of professionals with experts in avoiding such restrictions this book sets out a framework to understanding the growing role of expertise in a better way.

Experts 2014 Subject matter experts are the most valuable members of any organization period they establish vision forge paths create products solve problems sell customers define policies and cure ailments companies cannot prosper without them since unlike non experts they provide the scaffolding upon which all other functions of the organization depend they hold the jewels of knowledge in their organizations and are typically the top performers in their fields but few company leaders ensure their experts are thoroughly developed as experts and often leave their effectiveness to chance Alan Berrey addresses the challenges that confront experts and explores the techniques of top performers including how they apply their expertise and maximize their power have you ever wondered how people judge your expertise and why it matters in your career beyond expertise is about the craft of the expert the artful application of expertise it is about bringing your expertise out of the dark and maximizing your impact it is about honing your influence with clients and boosting your authority with colleagues in short it is about becoming a compelling agent of change.

Beyond Expertise 2021-08-31 The social psychology of expertise offers an integrative perspective to the analysis of experts and expertise in organizations social roles management etc it is the first book to link the psychology of expertise to sociology particularly the sociology of professions by examining the converging elements of both approaches and investigating the conditions of interactions with all types of experts the social psychology of expertise makes it possible to understand the market form of expert services this book introduces the expert role approach a new and encompassing view on the role of experts and how to use the experts expertise in organizations financial markets and environmental issues enhances a mutual understanding between the psychology of expertise and the sociology of professions for students as well as scholars provides a helpful understanding of dealing with experts in the context of organizational behavior shows how we can make proper use of the experts expertise in management and planning demonstrates how the role of experts influences volatility in financial markets and defines the limits of human expertise in predicting climate change.
in white coats or else it arouses derision because of the ineffactual bumbling of the so called experts in surpassing ourselves bereiter and scardamalia demonstrate that these stereotypes of expertise are false drawing upon the latest research in cognitive psychology they show that expertise is something other than training experience knowledge or formal qualifications many individuals acquire all these without ever becoming experts while some beginners even schoolchildren already approach problems in an expertlike fashion expertise is a process of progressive problem solving in which people continuously rethink and redefine their tasks a future expert society will not be a heaven in which all problems have disappeared but a realistic utopia in which endless problem solving will be a highly valued part of life

Surpassing Ourselves 1993 there is a deep distrust of experts in america today influenced by populist politics many question or downright ignore the recommendations of scientists scholars and others with specialized training it appears that expertise a critical component of democratic life no longer appeals to wide swaths of the body politic on expertise is a robust defense of the expert class ashley rose mehlenbacher examines modern and ancient theories of expertise through the lens of rhetoric and interviews some forty professionals revealing how they understand their own expertise and how they came to be known as experts she shows that expertise requires not only knowledge and skill but also crucially an acknowledgment by others both specialists and laypeople that one is a credible authority at its heart expertise is a rhetorical construct and to be persuasive experts must have the ability to apply their knowledge and skills rightly in the right way at the right time to achieve the right end ultimately mehlenbacher argues that experts apply their technical knowledge effectively and win others trust through acting prudently and cultivating goodwill timely practical and sophisticated on expertise provides vital scaffolding for our understanding of expertise and its real world application this book is essential for beginning the work of rehabilitating the expert class amid a politics of extreme populism and anti intellectualism

Expertise Transfer for Expert System Design 1986 the essays in this collection explore our reliance on experts within a historical context and across a wide range of fields including agriculture engineering health sciences and labour management contributors argue that experts were highly aware of their audiences and used performance to gain both scientific and popular support

On Expertise 2022-05-04 in this book stehr and grundmann outline the theoretical significance and practical importance of the growing stratum of experts counsellors and advisors in contemporary society and claim that the growing spectrum of knowledge based occupations has led to the pluralisation of expertise as decision makers in organizations and private citizens for various reasons increasingly seek advice from experts the authors examine the nature of expert activity and suggest that the role of experts needs to be distinguished from other roles such as professionals scientists or intellectuals experts they argue perform knowledge based activities that mediate between the context of knowledge creation and application existing approaches tend to restrict the role of the expert to scientists or to conflate the roles of professionals with experts in avoiding such restrictions this book sets out a framework to understanding the growing role of expertise in a better way experts provides thought provoking discussion that will be of interest to postgraduate students and academics working within the fields of social theory knowledge and consumption

Scientists' Expertise as Performance 2015-10-06 勉強 仕事 子育て すべてに応用可能の鉄則 著者のアンダース エリクソン教授は 超一流 研究の第一人者 タイム ニューヨーク タイムズ をはじめ 各紙誌で取り上げられ 世界中から大きな注目を集めた自身の研究結果の全てを 本書で初公開 チェス バイオリン テニス 数学 世界中のトッププレーヤーたちを 30年以上にわたって科学的に研究 そして導き出された 超一流 への鉄則と
克服するための課題を徹底的に繰り返す 鉄則 5 練習を 楽しい と感じていては トッププレーヤーにはなれない 鉄則 6 これ以上集中できないと思った時点で練習や勉強はうちきる 鉄則 7 上達が頭打ちになったときは 取り組むメニューを少

すく変えてみる 鉄則 8 即座にフィードバックを得ることで 学習の速度は劇的に上がる 鉄則 9 オンの時間とオフの時間をはっきり分け 一日のスケジュールを組む 鉄則 10 どんな能力も生まれつきの才能ではなく 学習の質と量で決まる

超一流 と 一流 を分ける差はどこにあるのか 30年以上にわたり 超一流 たちを心理学 生理学 神経解剖学の目から研究してきたエリクソン教授が その核心を解き明かす

Experts 2011-02-23 what makes an expert what strategies do they use if you re an expert in one domain are you more likely to become an expert in a second in examining questions like these professor fernand gobet provides a comprehensive overview of the field of expertise with research from a wide range of disciplines including psychology neuroscience sociology philosophy education law and artificial intelligence this is the definitive guide to the subject understanding expertise a multidisciplinary approach considers expertise on a number of levels ranging from the neural to the psychological and the social critically evaluates current theories and approaches addresses issues of key importance for society with implications for training methods and the development of artificial expert systems

Understanding Expertise 2017-09-16 本書はセルフ コンパッションの実証的研究の先駆者である著者が 自身の体験を交えながらいままでの学術研究の知見をわかりやすくまとめた本である 主要な部分にはエクササイズを含み セルフ コンパッションの活用方法を余すところなく紹介する

Expertise Leadership and Collaborative Working 2010-11-29 1 introduction 2 what experts do 3 building a philosophy of expertise 4 truth tracking accounts 5 performance tracking accounts 6 the epistemic facility account 7 expertise and disagreement 8 the limits of expertise bibliography index

Experts and Epistemic Monopolies 2012-10-15 the rise of populism in the west has led to attacks on the legitimacy of scientific expertise in political decision making this book explores the differences between approaches to expertise and expert performance cambridge handbooks in psychology
democracy and their relationship with science pluralist democracy is characterised by respect for minority choices and a system of checks and balances that prevents power being concentrated in one group while populism treats minorities as traitorous so as to concentrate power in the government the book argues that scientific expertise and science more generally should be understood as one of the checks and balances in pluralist democracies it defends science as craftwork with integrity and shows how its crucial role in democratic societies can be rethought and that it must be publicly explained this book will be of value to scholars and practitioners working across sts as well as to anyone interested in decoding the populist agenda against science

_transnational expertise_ 2018-05-02 in the last several decades there has been a surge of interest in expertise in the social scientific philosophical and legal literatures while it is tempting to attribute this surge of interest in expertise to the emergence and consolidation of a knowledge society post industrial society or network society it is more likely that the debates about expertise are symptomatic of significant change and upheaval as the number of contenders for expert status has increased as the bases for their claims have become more diverse and as the struggles between these would be experts intensified expertise became problematic and contested in the oxford handbook of expertise and democratic politics gil eyal and thomas medvetz have brought together a broad group of scholars who have engaged substantively and theoretically with debates regarding the nature of expertise and the social roles of experts to examine these areas within sociology and allied disciplines the analyses take an historical and relational approach to the topic and are motivated by the sense that growing mistrust in experts represents a danger to democratic politics today the chapters will be organized into three general parts key theoretical and historical debates the politics of expertise and expertise within and across professional disciplinary legal and intellectual spheres among the topics considered here are the value and relevance of the boundary between experts and laypeople the causes and consequences of mistrust in experts the meanings and social uses of objectivity and the significance of recent transformations in the organization of the professions bringing together investigations from social scientists philosophers and legal scholars into the political dimensions of expertise this handbook connects interdisciplinary work done in science and technology studies with the more classic concerns topics and concepts of sociologists of professions and intellectuals

_exerts and consultants_ 1991 this book examines the position and role of expertise in european policy making and governance at a time when the very notion of expertise and expert advice is increasingly losing authority the book addresses these challenges by empirically examining specific administrative processes and institutional designs in the european union the first part of the volume theorizes expertise and its contestation by examining accounts of the legitimate institutional design of knowledge production processes and exploring the theoretical links of europeanisation and expertise the second part of the book delves into empirical institutionalist accounts of expertise and maps the role of experts in a variety of eu institutions but also explains the implications when eu bodies themselves are in an expert position such as agencies the book offers insights into how individual experts deal with the challenge of producing reports that will be heard by policy makers while at the same time preserving their independence broadening its scope the book then expands the analysis to the role of advisory committees in light of the shift from a reliance primarily on in house expertise to including more external experts in advisory groups in the european commission and european parliament as well as at the european external action in the third part the book opens the lens to developments beyond the eu by taking into account two highly pertinent fields climate change and trade these fields are highly complex fast developing and politicised
Experts and the Will of the People 2019-10-11 more than ever we rely on experts to tell us how to live from the food we eat to raising our children to making love in the tyranny of experts dr morris e chafetz argues that many of these authorities scientists public interest advocates researchers lawyers physicians psychologists social workers and others seek to influence america s political social and moral climate far beyond the bounds of their specialized knowledge because they cater to our fears of an out of control world we remain stunningly blind to their pervasive encroachment on the quality of our private lives by exposing the experts sleights of hand dr chafetz restores our common sense ability to discover answers for ourselves

The Oxford Handbook of Expertise and Democratic Politics 2023 2019 finalist for the charles rufus morey book award from the caa in race experts linda kim examines the complicated and ambivalent role played by sculptor malvina hoffman in the races of mankind series created for the chicago field museum in 1930 although hoffman had training in fine arts and was a protégé of auguste rodin and ivan meštrovi she had no background in anthropology or museum exhibits she was nonetheless commissioned by the field museum to make a series of life size sculptures for the museum s new racial exhibition which became the largest exhibit on race ever installed in a museum and one of the largest sculptural commissions ever undertaken by a single artist hoffman s races of mankind exhibit was realized as a series of 104 bronzes of racial types from around the world a unique visual mediation between anthropological expertise and everyday ideas about race in interwar america kim explores how the artist brought scientific understandings of race and the everyday racial attitudes of museum visitors together in powerful and productive friction the exhibition compelled the artist to incorporate not only the expertise of racial science and her own artistic training but also the popular ideas about race that ordinary americans brought to the museum kim situates the races of mankind exhibit at the juncture of these different forms of racial expertise and examines how the sculptures represented the messy resolutions between them race experts is a compelling story of ideological contradiction and accommodation within the racial practices of american museums artists and audiences

The Contestation of Expertise in the European Union 2020-11-16 cultural expertise in the form of expert opinions formulated by social scientists appointed as experts in the legal process is not different from any other kind of expertise in court in specialised fields of law such as native land titles in america and in australia the appointment of social scientists as experts in court is a consolidated practice this special issue focuses on the contemporary evolution and variation of cultural expertise as an emergent concept providing a conceptual umbrella for a variety of evolving practices which all include use of the specialised knowledge of social sciences for the resolution of conflicts it surveys the application of cultural expertise in the legal process with an unprecedented span of fields ranging from criminology and ethnopsychiatry to the recognition of the rights of autochthone minorities including linguistic expertise and modern reformulation of cultural rights in this special issue the emphasis is on the development and change of culture related expert witnessing over recent times culture related adjudication and resolution of disputes criminal litigation and other kinds of court and out of court procedures this special issue offers descriptions of judicial practices involving experts in local laws and customs and surveys of the most frequent fields of expert witnessing that are related with culture interrogates who the experts are their links with local communities and also with the courts and the state power and politics how cultural expert witnessing has been received by judges how cultural expertise has developed across the sister disciplines of history and
psychiatry and eventually it asks whether academic truth and legal truth are commensurable across time and space.

The Tyranny of Experts 1996 since the reform and opening up policy was implemented in China consultations have been increasingly carried out during the policy making process this often involves experts many of whom are based in think tanks or similar institutions the degree of access to the policy making process varies and consequently some experts influence the policy making process significantly and others not this book explores how experts in China engage with the policy making process and the circumstances which affect how far they are able to influence policy making.

Race Experts 2018-08-01 this work discusses the development of wood for electric power in response to the energy crisis Frankena studies the role and impact of technical expertise using an in-depth case study and a comparative review of wood-fired power plant controversies in the United States.

Cultural Expertise 2020 the relevance of expertise to professional education and practice is explored in this collection of original contributions from educationalists, philosophers, and psychologists discusses the increasingly prominent debates about the nature of know how in mainstream analytical epistemology illuminates what is involved in professional expertise and the implications of a sound understanding of professional expertise for professional education practice curriculum design and assessment all contributions are philosophically grounded and reflect interdisciplinary advances in understanding expertise.

The Politics of Expertise in China 2018-10-26 experts who were the sole active dispensers of certain kinds of knowledge in the days before AI have now often assumed a rather passive role they relay their knowledge to various novices knowledge engineers experimental psychologists or cognitivists or other experts involved in the development and understanding of expert systems this book achieves a perfect marriage between experimentalists and theoreticians who deal with expertise it tries to establish the benefits to society of an advanced technology for representing and disseminating the knowledge and skills of the best corporate managers the most seasoned pilots and the most renowned medical diagnosticians this book interests psychologists as well as all those out in the trenches developing expert systems and everyone pondering the nature of expertise and the question of how it can be studied scientifically its scope the pivotal concepts which it elucidates and brilliantly summarizes and appraises in the final chapter as well as the references it includes make this book a landmark in the field.

Strategies of Expertise in Technical Controversies 1992 technological development has changed the nature of industrial production so that it is no longer a question of humans working with a machine but rather that a joint human-machine system is performing the task this development which started in the 1940s has become even more pronounced with the proliferation of computers and the invasion of digital technology in all walks of working life it may appear that the importance of human work has been reduced compared to what can be achieved by intelligent software systems but in reality the opposite is true the more complex a system the more vital the human operator s task the conditions have changed however whereas people used to be in control of their own tasks today they have become supervisors of tasks which are shared between humans and machines a considerable effort has been devoted to the domain of administrative and clerical work and has led to the establishment of an internationally based human computer interaction HCI community at research and application levels the HCI community however has paid more attention to static environments where the human operator is in complete control of the situation rather than to dynamic environments where changes may occur independent of human intervention and actions this book s basic philosophy is the conviction that human operators remain the unchallenged experts even in the worst cases where their working conditions have been impoverished by senseless automation they maintain this advantage due to their ability...
to learn and build up a high level of expertise a foundation of operational knowledge during their work this expertise must be taken into account in the development of efficient human machine systems in the specification of training requirements and in the identification of needs for specific computer support to human actions supporting this philosophy this volume deals with the main features of cognition in dynamic environments combining issues coming from empirical approaches of human cognition and cognitive simulation addresses the question of the development of competence and expertise and proposes ways to take up the main challenge in this domain the design of an actual cooperation between human experts and computers of the next century

Education and Expertise 2018-11-28 the development of an athlete from basic performance to elite level is a long and complicated process this fully revised and updated new edition of the leading introduction to expertise in sport examines the fundamental science of skill acquisition and explores the methods by which science can be applied in the real world context of sport performance with insights from leading coaches in each chapter and new material on topics such as instruction and observation and expert visual perception developing sport expertise is invaluable reading for all researchers and students in the areas of expertise skill acquisition motor control and development sport psychology or coaching

ウィトゲンシュタイン 2003-05 this edited volume advances existing research on the production and use of expert knowledge by international bureaucracies given the complexity technicality and apparent apolitical character of the issues dealt with in global governance arenas evidence based policy making has imposed itself as the best way to evaluate the risks and consequences of political action in global arenas in the absence of alternative democratic modes of legitimation international organizations have adopted this approach to policy making by treating international bureaucracies as strategic actors this volume address novel questions why and how do international bureaucrats deploy knowledge in policy making where does the knowledge they use come from and how can we retrace pathways between the origins of certain ideas and their adoption by international administrations what kind of evidence do international bureaucrats resort to and with what implications which types of knowledge are seen as authoritative and why this volume makes a crucial contribution to our understanding of the way global policy agendas are shaped and propagated it will be of great interest to scholars policy makers and practitioners in the fields of public policy international relations global governance and international organizations

The Psychology of Expertise 2011-12-01 日本で8万部突破 30カ国以上で出版された世界的なベストセラー ビジネスモデル ジェネレーション 小社刊 の続編が遂に登場 本書の概要 こんな皆さんに バリュー プロポジション デザイン をお勧めします 価値創造という仕事のプレッシャーに押しつぶされそう 実のない会議やばらばらなチームにうんざり 期待された目玉プロジェクトで大失敗してしまった いいアイデアだったのにうまくいかなかった がっかり などが 自分が売りたい商品 ではなく 顧客が欲しがる商品 を 価値創造のパターン を理解する 本書を読めば 価値創造のパターン を目に見えるようにすることで 顧客にとってなにより大切な やるべき仕事 ペイン 痛み ゲイン 利得 をズバリと解決するような提案が顧客にできるようになります つまり利益の出るビジネスモデルを上手にデザインすることができるようになります オンライン版の支援ツールについて ツールにアクセスするには 本書の購入証明が必要になります 登録の際 電子書籍版を購入された方も select your book format で printed book を選んでください 本書に沿って秘密の質問にお答えいただくことで アクセスが可能になります 秘密の質問で記載されているページは 本書に印刷されているページです 電子書籍のビューワで表示されるページではありませんのでご注意ください また サイトはすべて英語表示となります ご了承ください 本電子書籍は同名出版物を底本として作成しました 記載内容は印刷出版当時のもの 印刷出版再現のため電子書籍としては不要な情報を含んでいる場合があります 印刷出版とは異なる表記 表現の場合があります 予めご了承ください プレビューにてお手持ちの電子端末での表示状態をご確認の上 商品をお買い求めください 翔泳社

Expertise and Technology 2013-06-17 a devastating bombardment of managerial thinking and the profession of management consulting a serious and valuable polemic wall street journal fresh from oxford with a degree in philosophy and no particular interest in business matthew stewart might not have seemed a likely candidate to become a consultant but soon he was telling veteran managers how to run their companies in narrating his own ill fated and often hilarious odyssey at a top tier firm stewart turns the consultant s merciless penetrating eye on the management industry itself the management myth offers an insightful romp through the entire history of this
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critique of pseudoscience in management theory and a clear explanation of why the mba usually amounts to so much bs leading us through the wilderness of american business thought
Developing Sport Expertise 2013-06-26 an eye opening exploration of why experts are constantly misleading us and what we can do about it
The Politics of Expertise in International Organizations 2017-02-24
バリュー・プロポジション・デザイン 顧客が欲しがる製品やサービスを創る 2015-04-16
The Management Myth: Why the Experts Keep Getting it Wrong 2009-08-10
Wrong 2010

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