The Cognitive Psychology Of Planning

The Cognitive Psychology of Planning-Robin Morris 2004-12-01 The Cognitive Psychology of Planning assesses recent advances in the scientific study of the cognitive processes involved in formulating, evaluating and selecting a sequence of thoughts and actions to achieve a goal. Approaches discussed range from those which look at planning in terms of problem-solving behaviour to those which look at how we control thoughts and actions within the frameworks of attention, working memory or executive function. Topics covered include: simple to complex tasks, well- and ill-defined problems and the effects of age and focal brain damage on planning. This survey of recent work in the cognitive psychology and cognitive neuropsychology of planning will be an invaluable resource for anyone studying or researching in the fields of thinking and reasoning, memory and attention.

The Developmental Psychology of Planning-Sarah L. Friedman 2014-02-25 Planning is defined as formulating an organized method for action in advance. Although people do not plan all the time and planning does not occur in every situation, planning skill is central to all human behavior. There are developmental differences in planning skill and in the motivation to plan. Even among adults, variations in the engagement in the planning process are affected by individual attitudes, beliefs, and goals. Planning also has a different meaning at various junctures in one's life. Yet despite the amount of research on planning, many of the studies have focused only on the cognitive processes that enable mature individuals to plan. A continued exploration of the developmental course of planning, this text attempts to situate cognitive aspects of planning in the context of the social and cultural environment and other psychological processes. Bringing together the contributions of developmental, organizational, and social psychologists, it explains how, when, and why we plan. Finally, it addresses various issues that pertain to the different aspects of planning, from formal problem solving to handling the demands of everyday life.

Cognitive Psychology of Planning-Jean-Michel Hoc 1988 The concept of planning occurs in a variety of academic contexts and forms, not least in the cognitive psychology of problem solving and in computing science. Although disparate theoretical contexts may be an obstacle to defining the invariants of planning, they become a rich resource when the aim is to provide a description of its general properties. As the cognitive sciences pool resources from psychology to artificial intelligence, reflections on common concepts becomes a necessity. The aim of this book is to furnish a theoretical framework for current planning research in both cognitive psychology and artificial intelligence. It is unique in its integrated and interdisciplinary perspective and is a useful asset to those working in psychology, artificial intelligence, cognitive ergonomics, human-computer interaction, and related disciplines.

Cognitive Planning-J P Das 1996-08-19 The first part of this volume reviews existing literature on planning (intelligent, goal-oriented behavior) from historical, cognitive, neuropsychological, and developmental perspectives, and explains the book's theoretical orientation. The second part describes several empirical studies in which the authors (three cognitive psychologists) examine the operation of planning in different situations. Printed in India. Annotation copyright by Book News, Inc., Portland, OR

The Cognitive Psychology of Planning-Robin Morris 2004-12 The Cognitive Psychology of Planning assesses recent advances in the scientific study of the cognitive processes involved in formulating, evaluating and selecting a sequence of thoughts and actions to achieve a goal. Approaches discussed range from those which look at planning in terms of problem-solving behaviour to those which look at how we control thoughts and actions within the frameworks of attention, working memory or executive function. Topics covered include: simple to complex tasks, well- and ill-defined problems and the effects of age and focal brain damage on planning. This survey of recent work in the cognitive psychology and cognitive neuropsychology of planning will be an invaluable resource for anyone studying or researching in the fields of thinking and reasoning, memory and attention.

Cognitive Planning and Executive Functions-J. P. Das 2014-11-26 What lies behind decision-making and improved educational and managerial performance? This book tries to answer by putting forth meaningful strategies in the context of planning and executive functions. This is based on five broad themes: • Decisions are based on both emotions and rationality in varying proportions. • Emotions and rationality are functions of the brain. • Origin of planning and executive functions engaged in problem-solving, and how these functions are measured from three worlds, viz., world of physical objects, world of conscious and unconscious states and psychological control, and world of cultural products, such as language, theories in science, and objects of art. • Improvement in planning and executive functions helps in better performance in both educational achievements and managerial decision-making. • Methods to boost decision-making and planning. This book will interest Educational Planners and Managers in business administration as well as the undergraduate and postgraduate students of Psychology, Management and Education.

The Psychology of Planning in Organizations-Michael D. Mumford 2015-06-12 This book examines planning as the critical influence on performance at work and in organizations. Bridging theory and practice, it unites cutting-edge research findings from cognitive science, social psychology, industrial and organizational psychology, strategic management, and entrepreneurship, and describes the practical applications of these research findings for practitioners interested in improving planning performance in organizations.

BIOS Instant Notes in Cognitive Psychology-Jackie Andrade 2004-03-01 Instant Notes in Cognitive Psychology is a concise summary of the key theoretical and empirical topics in cognitive psychology, providing easy access to the core information in the field. The book can serve as a core text, supplemented by readings in the original literature, as a reference guide for students and lecturers alike, or as an ideal revision guide prior to exams. Instant Notes in Cognitive Psychology is intended primarily for students taking a first course in the subject, but can also be used as an introduction to the field for undergraduates and graduates from other subject areas.

Toward Excellence in Vocational Education-Janet F. Laster 1985

Planning in Intelligent Systems-Wout van Wezel 2006-03-03 The first comparative examination of planning paradigms This text begins with the principle that the ability to anticipateand plan is an essential feature of intelligent systems, whetherhuman or machine. It further assumes that better planning resultsin greater achievements. With these principles as a foundation,Planning in Intelligent Systems provides readers with the toolsneeded to better understand the process of planning and to becomebetter planners themselves. The text is divided into two parts: * Part One, "Theoretical," discusses the predominant schools ofthought in planning: psychology and cognitive science,organizational science, computer science, mathematics, artificialintelligence, and systems theory. In particular, the book examinescommonalities and differences among the goals, methods, andtechniques of these various approaches to planning. The result is abetter understanding of the process of planning through thecross-fertilization of ideas. Each chapter contains a shortintroduction that sets forth the interrelationships of thischapterto the main ideas featured in the other chapters. * Part Two, "Practical," features six chapters that center on acase study of The Netherlands Railways. Readers learn to applytheory to a real-world situation and discoverhow expanding theirrepertoire of planning methods can help solve seemingly intractableproblems. All chapters have been contributed by leading experts in thevarious schools of planning and carefully edited to ensure aconsistent high standard throughout. This book is designed to not only expand the range of planningtools used, but also to enable readers to use them moreeffectively. It challenges readers to look at new approaches andlearn from new schools of thought. Planning in Intelligent Systemsdelivers effective planning approaches for researchers, professors,students, and practitioners in artificial intelligence, computerscience, cognitive psychology, and mathematics, as well as industryplanners and managers.

Blueprints for Thinking-Sarah L. Friedman 1987 Planning is an important human ability that guides behaviour and thereby complements instinctual fixed action patterns. How do people learn to plan? How do they develop the various skills that are implied by planfulness? This volume explores these questions as well as the concept of planning and its relationships to the concepts of problem-solving and organizational skills. The editors of this volume have drawn upon an international cadre of scholars to discuss the issues of planning and planful behaviours from a broad range of perspectives. The volume offers a comprehensive review and critical analysis of research and theory on the development of planning ability. Cognitive and developmental psychologists, educational researchers, and students hitherto frustrated by the complexity of the thinking about planning and fragmentation of the literature will find Blueprints for Thinking an invaluable resource.

Readings in Cognitive Science-Allan Collins 2013-10-02 Readings in Cognitive Science: A Perspective from Psychology and Artificial Intelligence brings together important studies that fall in the intersection between artificial intelligence and cognitive psychology. This book is composed of six chapters, and begins with the complex anatomy and physiology of the human brain. The next chapters deal with the components of cognitive science, such as the semantic memory, similarity and analogy, and learning. These chapters also consider the application of mental models, which represent the domain-specific knowledge needed to understand a dynamic system or natural physical phenomena. The remaining chapters discuss the concept of reasoning, problem solving, planning, vision, and imagery. This book is of value to psychologists, psychiatrists, neurologists, and researchers who are interested in cognition.

Excelling in Sport Psychology-Alison Pope-Rhodius 2017-10-04 Written for graduate students and early professionals who are conducting applied sport psychology work for the first time, Excelling in Sport Psychology is a guide for planning, preparing, and executing this work. Each chapter addresses a critical component of the internship experience, such as selecting a site for an internship, preparing to begin the work, evaluating the completed work, and marketing oneself throughout one's early career. The diverse experiences of the various authors provide a range of viewpoints for trainees to consider and apply to their growth as sport psychology or mental skills professionals. The text is written in a practical manner, with suggestions and questions that will drive this personal and professional growth. Each chapter also includes a personal account from a current student or recent graduate about their experience in that area. This book will appeal to students in academic sport psychology programs seeking additional support and guidance about the internship process, as well as post-graduates who did not have an internship component to their program. Supervisors will benefit from reading the book as it highlights ways to work with trainees. Drawn from the experience of the applied Sport Psychology department at John F. Kennedy University, which has helped students set up internships, have successful experiences, and attain jobs for over 25 years, this book can provide a model for training programs approaching the challenges of fieldwork.

Cognitive Psychology- 1978

Toward Excellence in Secondary Vocational Education-Janet F. Laster 1985

The Psychology of Planning in Organizations-Michael D. Mumford 2015-06-12 This book examines planning as the critical influence on performance at work and in organizations. Bridging theory and practice, it unites cutting-edge research findings from cognitive science, social psychology, industrial and organizational psychology, strategic management, and entrepreneurship, and describes the practical applications of these research findings for practitioners interested in improving planning performance in organizations.

Cognition and the Built Environment-Ole Möystad 2017-12-12 Cognition and the Built Environment argues that interacting with our built environment, as users and as architects, is a cognitive process. It claims that architecture, in its form and meaning, is a basic, embodied level of human cognition. The assumption is that we and our built environment together form an intelligent system, a cognitive feedback loop between us and the world of which we are part. With this as a vantage point, the book discusses the meaning and intelligence of concrete architectural environments as well as the agency of the architect, of his client and of the user. The inquiry oscillates between abstract thought, topological models and cognitive semiotics, between pragmatist philosophy and the professional practice of planning cities, developing projects and using objects. Architecture serves more complex purposes than our caves, paths and landmarks did. Written for students and academics of urban design, urban planning and architectural theory, Cognition and the Built Environment argues that human cognition feeds on the interaction between thought, agency and built environment, and that architecture is the spatial form of this interaction.

An Introduction to Cognitive Psychology-David Groome 1999 This is a comprehensive undergraduate textbook which provides, in a single volume, chapters on both normal cognitive function and related clinical disorder.

Working Memory and Thinking-Kenneth Gilhooly 2004-08-02 Thinking and memory are inextricably linked. However, a "divide and rule" approach has led cognitive psychologists to study these two areas in relative isolation. With contributions from some of the leading international researchers on working memory and thinking, the present volume aims to break down the scientific divisions and foster scientific integration in the connections between these two core functions of cognition. Broadly defined, thinking comprises mentally driven change in current representations. The processes involved in such change include application of logical rules, heuristics, problem solving strategies, decision making, planning and comprehension of complex material. Memory involves the encoding, retention and retrieval of information, and the retention may be temporary or in a long-term knowledge base.; Thinking cannot occur in a vacuum; it relies on the long-term memory base and a temporary mental workspace. Despite the apparent limitations on mental workspace, humans can drive a car and hold a conversation, or store partial solutions while tackling other aspects of a problem. So too, some aspects of thinking are relatively resilient in the face of quite extensive brain damage, yet other aspects are remarkably vulnerable to neuroanatomical insults. Humans can solve complex problems with many alternative choice points and yet seem to be able to consider only a few hypotheses at any one time. These apparent paradoxes present significant scientific challenges as to how humans can be such successful thinkers despite their very limited working memory. The chapters herein represent a diversity of views as regards the nature or working memory and forms of human thinking. The links between working memory and thinking are directly addressed and made explicit, and in so doing this volume offers an increasingly integrated understanding of human thinking and memory.

Knowing Hands-David A. Rosenbaum 2017-02-27 Knowing Hands analyzes the cognitive psychology of manual control. This book will appeal to general readers interested in an accessible overview of the psychology and neuroscience underlying motor control. It will also serve as a supplemental text in a wide range of courses, including cognition, perception, occupational therapy, and robotics.

Human Action Control-Bernhard Hommel 2016-04-02 This textbook provides a comprehensive introduction into the areas of human action planning and action control. It discusses the basic theoretical issues and questions in understanding the planning and control of human goal-directed action. The authors begin by presenting an integrative theoretical framework and the neurobiological foundations of action planning and execution. Subsequent chapters discuss how goals are represented and how they guide action control; how perception and action interact; how simple and complex actions are selected and planned; how multitasking works; and how actions are monitored. Topics of interest include: stimulus-triggered selections, rule-based selections, intentional action selections, and intuitive decision-making. Human Action Control is a must-have resource for advanced undergraduates, graduates, and doctorate students in cognitive psychology and related areas, such as the cognitive neurosciences, and developmental and social psychology.

Complexity, Cognition and the City-Juval Portugali 2011-07-06 Complexity, Cognition and the City aims at a deeper understanding of urbanism, while invoking, on an equal footing, the contributions both the hard and soft sciences have made, and are still making, when grappling with the many issues and facets of regional planning and dynamics. In this work, the author goes beyond merely seeing the city as a self-organized, emerging pattern of some collective interaction between many stylized urban "agents" – he makes the crucial step of attributing cognition to his agents and thus raises, for the first time, the question on how to deal with a complex system composed of many interacting complex agents in clearly defined settings. Accordingly, the author eventually addresses issues of practical relevance for urban planners and decision makers. The book unfolds its message in a largely nontechnical manner, so as to provide a broad interdisciplinary readership with insights, ideas, and other stimuli to encourage further research – with the twofold aim of further pushing back the boundaries of complexity science and emphasizing the all-important interrelation of hard and soft sciences in recognizing the cognitive sciences as another necessary ingredient for meaningful urban studies.

The Cognitive Psychology of Knowledge-G. Strube 1993-10-01 The present book is a result of a seven-year (1986-1992) national research program in cognitive science in Germany, presumably the first large scale cognitive science program there. Anchored in psychology, and therefore christened Wissenpsychologie (psychology of knowledge), it has found interdisciplinary resonance, especially in artificial intelligence and education. The research program brought together cognitive scientists from over twenty German universities and more than thirty single projects were funded. The program was initiated by Heinz Mandl and Hans Spada, the main goals of which were to investigate the acquisition of knowledge, the access to knowledge, and the modification and application of knowledge from a psychological perspective. Emphasis was placed on formalisms of knowledge representation and on the processes involved. In many of the projects this was combined with computer simulations. A final but equally important goal was the development of experimental paradigms and methods for data analysis that are especially suited to investigate knowledge based processes. The research program has had a major impact on cognitive psychology in Germany. Research groups were established at many universities and research equipment was provided. It also inspired a considerable number of young scientists to carry out cognitive research, employ modeling techniques from artificial intelligence for psychological theorizing, and construct intelligent tutoring systems for education. Close contacts with cognitive scientists in the U.S. have helped to firmly integrate the program with international research endeavours. Each year, one or two workshops were held. The present volume is the result of the final workshop which was held in September 1992. Selected results from seventeen projects are presented in this book. The volume is enriched by three guest scholars who agreed to participate in the final workshop and to comment on the chapters of the book.

Cognitive Psychology-Michael W. Eysenck 2005 This fifth edition of the best-selling international cognitive psychology textbook has been substantially updated and restructured to reflect new developments in cognitive psychology, and made more student-friendly. Established approaches covered in depth include: Experimental cognitive psychology Cognitive science with its focus on modelling Cognitive neuropsychology with its focus on cognition following brain damage. Extensive new material in this edition includes: Cognitive neuroscience approaches such as brain scanning and imaging studies which illustrate the principles of brain function New material on consciousness. Throughout, the new material is fully integrated with more traditional approaches to create a comprehensive, coherent and totally current overview of perception, attention, memory, concepts, language, problem solving, judgement and reasoning. A two-colour design, plus a rich array of supplementary multimedia materials, make this edition more accessible and entertaining for students. The multimedia materials include: A PowerPoint lecture course and MCQ Test Bank free to qualifying adopters A unique web-based Student Learning Program. This is an interactive revision program incorporating a rich array of multimedia resources including interactive exercises and demonstrations, and active reference links to journal articles. This is offered on a subscription basis to departments adopting the text. A free demonstration of a sample chapter is available to potential subscribers at http: //www.psypress.com/ek5/ .

Pragmatic Spatial Planning-Charles Hoch 2019-07-15 Instead of seeking theory to justify practical professional judgments this book describes how professionals can and should use theory to guide these judgments. Professional spatial planning in the US, and globally, continues to suffer from a weak conceptual grasp of its own practice. Practitioners routinely recognize the value and wisdom of practical judgment finely attuned to context, nuance and complexity; but later offer banal testimony and glib stories of 'just so' best-practice discrediting the ambiguity of their own experience. The chapters in this book provide a vocabulary tailored to the conventions of practical judgment, challenging students and practitioners to treat professional expertise as work in progress rather than 'best' practice. Instead of seeking theory to justify practical professional judgments, Hoch describes how professionals can and should use theory to guide these judgments. The pragmatist plan helps cope with complexity rather than control it, making it invaluable in the anyone's pursuit of a planning career. This book will appeal to a wide cross section of students and scholars, especially those working in urban planning, public policy, and government.

Cognitive Psychology- 1978

Cognitive Psychology-Lawrence W. Barsalou 2014-02-25 This text presents the basic concepts of modern cognitive psychology in a succinct and accessible manner. Empirical results, theoretical developments, and current issues are woven around basic concepts to produce coherent accounts of research areas. Barsalou's primary goal is to equip readers with a conceptual vocabulary that acquaints them with the general approach of cognitive psychology and allows them to follow more technical discussions elsewhere. In meeting this goal, he discusses the traditional work central to modern thinking and reviews current work relevant to cognitive science. Besides focusing on research and theory in cognitive psychology, Barsalou also addresses its fundamental assumptions. Because the cognitive approach to psychology is somewhat subtle, often misunderstood, and sometimes controversial, it is essential for a text on cognitive psychology to address the assumptions that underlie it. Therefore, three of the eleven chapters address the "meta- assumptions" that govern research and theory in cognitive psychology. These meta-chapters provide a deeper understanding of the content areas and a clearer vision of what cognitive psychologists are trying to accomplish. The remaining eight "content" chapters cover the central topics in cognitive psychology. This book will be of value to a variety of audiences. Ideal for researchers in computer science, linguistics, philosophy, anthropology, and neuroscience who wish to acquaint themselves with cognitive psychology, it may also be used as a text for courses in cognitive science and cognitive psychology. Lay readers who wish to learn about the cognitive approach to scientific psychology will also find the volume useful.

Synergetic Cities: Information, Steady State and Phase Transition-Hermann Haken 2021-02-12 The book offers a novel approach to the study of the complex dynamics of cities. It is based on (1) Synergetics as a science of cooperation and selforganization, (2) information theory including semantic and pragmatic aspects, and optimization principles, (3) a theory of steady state maintenance, and of (4) phase transition, i.e. qualitative changes of structure or behavior. From this novel theoretical vantage point, the book addresses particularly three issues that stand at the core of current discourse on cities: Urban Scaling, Smart Cities and City Planning. An important consequence of "the 21st century as the age of cities", is that the study of cities currently attracts scientists from a variety of disciplines, ranging from physics, mathematics and computer science, through urban studies, architecture, planning and human geography, to economics, psychology, sociology, public administration and more. The book is thus likely to attract scholars, researchers and students of these research domains, of complexity theories of cities, as well as of general complexity theory. In addition, it is directed also to practitioners of urbanism, city planning and urban design.

Mind and Brain Sciences in the 21st Century-Robert L. Solso 1999 Professionals in the fields of neurocognition, cognitive science, and psychology ruminate on the past history of their disciplines and offer forecasts about future developments, discussing the philosophical, social, cultural, and scientific implications of the science of the mind. Reprint. UP.

The Social Context of Cognitive Development-Mary Gauvain 2001-01-01 Traditional approaches to cognitive development can tell us a great deal about the internal processes involved in learning. Sociocultural perspectives, on the other hand, provide valuable insights into the influences on learning of relationship and cultural variables. This volume provides a much-needed bridge between these disparate bodies of research, examining the specific processes through which children internalize the lessons learned in social contexts. The book reviews current findings on four specific domains of cognitive development--attention, memory, problem solving, and planning. The course of intellectual growth in each domain is described, and social factors that support or constrain it are identified. The focus throughout is on how family, peer, and community factors influence not only what a child learns, but also how learning occurs. Supporting her arguments with solid empirical data, the author moves beyond attention to sociocultural factors can productively complement more traditional avenues of investigation.

Cognitive Psychology For Dummies-Peter J. Hills 2016-04-11 Each book covers all the necessary information a beginner needs to know about a particular topic, providing an index for easy reference and using the series' signature set of symbols to clue the reader in to key topics, categorized under such titles as Tip, Remember, Warning!, Technical Stuff and True Story. Original.

New Methods in Cognitive Psychology-Daniel Spieler 2019-10-28 This book provides an overview of cutting-edge methods currently being used in cognitive psychology, which are likely to appear with increasing frequency in coming years. Once built around univariate parametric statistics, cognitive psychology courses now seem deficient without some contact with methods for signal processing, spatial statistics, and machine learning. There are also important changes in analyses of behavioral data (e.g., hierarchical modeling and Bayesian inference) and there is the obvious change wrought by the advancement of functional imaging. This book begins by discussing the evidence of this rapid change, for example the movement between using traditional analyses of variance to multi-level mixed models, in psycholinguistics. It then goes on to discuss the methods for analyses of physiological measurements, and how these methods provide insights into cognitive processing. New Methods in Cognitive Psychology provides senior undergraduates, graduates and researchers with cutting-edge overviews of new and emerging topics, and the very latest in theory and research for the more established topics.

The Psychology of Thinking about the Future-Gabriele Oettingen 2018-03-08 Why do people spend so much time thinking about the future, imagining scenarios that may never occur, and making (often unrealistic) predictions ? This volume brings together leading researchers from multiple psychological subdisciplines to explore the central role of future-thinking in human behavior across the lifespan. It presents cutting-edge work on the mechanisms involved in visualizing, predicting, and planning for the future. Implications are explored for such important domains as well-being and mental health, academic and job performance, ethical decision making, and financial behavior. Throughout, chapters highlight effective self-regulation strategies that help people pursue and realize their short- and long-term goals. ÿ

Extension Programme Planning-Anoop Singh Sandhu 1994

Cognitive Psychology-Michael W. Eysenck 2015-02-11 Rigorously researched and accessibly written, Cognitive Psychology: A Student's Handbook is widely regarded as the leading undergraduate textbook in the field. The book is clearly organised, and offers comprehensive coverage of all the key areas of cognitive psychology. With a strong focus on considering human cognition in context, the book has been designed to help students develop a thorough understanding of the fundamentals of cognitive psychology, providing them with detailed knowledge of the very latest advances in the field. New to this edition: Thoroughly revised throughout to include the latest research and developments in the field Extended coverage of cognitive neuroscience Additional content on computational cognitive science New and updated case studies demonstrating real life applications of cognitive psychology Fully updated companion website Cognitive Psychology: A Student's Handbook will be essential reading for all undergraduate students of psychology. Those taking courses in computer science, education, linguistics, physiology, and medicine will also find it an invaluable resource.

Planning and Control Processes Across the Life Span-Margie E. Lachman 1993

Cognitive Psychology- 1979

Traffic and Transport Psychology-Talib Rothengatter 2004-09-08 This volume gives an overview of the trends in Traffic and Transport Psychology. It reflects the considerable development of the most important factors for driving a road vehicle, and the variety of international research approaches. The first part contains basic approaches and integrated models as well as general theories and their implementation into Traffic and Transport Psychology. The second part deals with the driver, especially cognition, performance, social and differential effects and impairment. Important aspects are treated, such as speed perception, reaction times, interaction, risk acceptance, aggression and gender differences. Special chapters refer to performance and fatigue. The third part focuses on safety, driver support, selection and influencing drivers by enforcement, training and programs for the rehabilitation of traffic offenders. Classic ergonomic methods are discussed as well as modern telematic devices, or trends regarding driver-assessment. In the last part, current developments are presented in relation to better mobility and the protection of the environment. Questions are asked, such as whether we could reduce the use of cars, how travel behaviour can be modified or to what extent the use of alternatives to motor vehicles benefits safety as well as the environment. This work is not only important for psychologists. It should be read by all transport professionals interested in the application of psychology to traffic.

Essential Cognitive Psychology-Alan J. Parkin 2014-03-05 This new textbook provides a clear, fundamental grounding in cognitive psychology for beginning undergraduates. Essential Cognitive Psychology fills the void between low level introductory texts and more advanced books on the topic. This book provides the reader with highly accessible overviews of all core topics in the field. These are designed to be a strong basis for developing further interest in cognitive psychology but, at the same time, provide a self-contained account suitable for all students in psychology whose training requires degree-level competence in the subject. Beginning with a chapter on the origins of cognitive psychology, which facilitates an understanding of the topic as a whole, the book goes on to cover visual perception, attention, memory, knowledge, imagery, language, and reasoning and problem solving. Each chapter in Essential Cognitive Psychology also contains a list of key terms highlighted in the text and a series of revision questions which address key issues in the chapter. There are also suggestions for further reading. Written by an internationally recognised scientist and established book author, Essential Cognitive Psychology will be welcomed by teachers and students who require a thorough grounding in the topic without the specialization of more advanced textbooks.

Past, Present, and Future Contributions of Cognitive Writing Research to Cognitive Psychology-Virginia Wise Berninger 2012-05-04 This volume tells the story of research on the cognitive processes of writing—from the perspectives of the early pioneers, the contemporary contributors, and visions of the future for the field. Writing processes yield important insights into human cognition, and is increasingly becoming a mainstream topic of investigation in cognitive psychology and cognitive neuroscience. Technological advances have made it possible to study cognitive writing processes as writing unfolds in real time. This book provides an introduction to these technologies. The first part of the volume provides the historical context for the significance of writing research for contemporary cognitive psychology and honors the pioneers in cognitive and social-cognitive research in this field. The book then explores the rapidly expanding work on the social foundations of cognitive processes in writing and considers not only gender differences but also gender similarities in writing. The third part presents a lifespan view of writing in early and middle childhood, adolescence, higher education, and the world of work. There follows an examination of the relationships of language processes –at the word, sentence, and text levels—to the cognitive processes in writing. Part V covers representative research on the cognitive processes of writing—translation and reviewing and revision—and the working memory mechanisms that support those processes. A review of the current technologies used to study these cognitive processes on-line as they happen in real time is provided. Part VII provides an introduction to the emerging new field of the cognitive neuroscience of writing made possible by the rapidly evolving brain imaging technologies, which are interpretable in reference to paradigms in cognitive psychology of writing. The final section of the book offers visions of the future of writing research from the perspective of contemporary leaders in writing research.

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