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Proceedings of the Fourteenth Annual Conference of the Cognitive Science Society Cognitive Science Society (US) Conference 2014-05-12 This volume features the complete text of all regular papers, posters, and summaries of symposia presented at the 14th annual meeting of the Cognitive Science Society.
The Band Director's Guide to Success Jonathan M. Kraemer 2016-09-02 The Band Director's Guide to Success is the ideal guide for preparing future band directors for the practical challenges and obstacles that they will face in the introductory years of their teaching careers. Written in an easy to understand, quick-reference guide format, this book is designed to be easily navigated as a series of case studies arranged by topic in concise, user-friendly chapters ranging from budgeting to classroom management to conflict resolution and beyond. This manual and career guide in one may be used as a supplemental text with suggestions and practical advice to spare new music teachers from many of the initial headaches and stress that often accompany the transition into the full-time teaching profession.
Olympic Tourism Mike Weed 2008 The first book to examine Olympic Tourism, this timely, breakthrough text offers a fascinating insight into the world's most famous mega-event.
Computer Supported Education H. Chad Lane 2021-10-08 This book constitutes selected, revised and extended papers from the 12th International Conference on Computer Supported Education, CSEDU 2020, held as a

virtual event in May 2020. The 25 revised full papers were carefully reviewed and selected from 190 submissions. The presented papers contribute to the understanding of relevant trends of current research on Computer Supported Education, including learning analytics, intelligent tutoring systems, virtual and augmented reality, MOOCs, and automated assessment systems.

A Compendium of Machine Learning Garry Briscoe 1996 Machine learning is a relatively new branch of artificial intelligence. The field has undergone a significant period of growth in the 1990s, with many new areas of research and development being explored.

Attention and Implicit Learning Luis Jiménez 2003-01-30 Attention and Implicit Learning provides a comprehensive overview of the research conducted in this area. The book is conceived as a multidisciplinary forum of discussion on the question of whether implicit learning may be depicted as a process that runs independently of attention. The volume also deals with the complementary question of whether implicit learning affects the dynamics of attention, and it addresses these questions from perspectives that range from functional to neuroscientific and computational approaches. The view of implicit learning that arises from these pages is not that of a mysterious faculty, but rather that of an elementary ability of the cognitive systems to extract the structure of their environment as it appears directly through experience, and regardless of any intention to do so. Implicit learning, thus, is taken to be a process that may shape not only our behavior, but also our representations of the world, our attentional functions, and even our conscious experience. (Series B)

Transgender Health and Medicine Dana Jennett Bevan Ph.D. 2019-07-26 This text starts with the history of transgender science and provides current, evidence-based information on theories and treatment procedures, concluding with projections of future scientific developments. A transgender person is one whose congruent gender behavior (e.g., masculine, feminine, genderqueer) does not match the culturally assigned gender category based on their sex at birth. For example, a transgender person may behave and present as a woman despite being born with male genitalia.This book provides background on transgender history, needs, assessment, and procedures; side effects of procedures; and outcomes that all providers need to understand to treat transgender patients and relate to their particular expectations. The current etiquette basis for establishing an effective provider-patient relationship is highlighted. Pathological terms are no longer acceptable and new non-pathological terms are rapidly replacing them, because being transgender is now recognized as a natural part of diversity rather than a disease or disorder. Also included here are new theories of causation and treatment approaches for providers.The book additionally outlines current and earlier schools of thought and provides an integrated theory of transgender causation that includes genetic, epigenetic, cultural, and early learning/emergence factors and highlights research needs and expected future research topics.

Constructions at Work Adele E. Goldberg 2006 Includes selected classic and contemporary papers in four areas, this text introduces each field, providing technical background for the non-specialist and explaining the underlying connections across the disciplines.

Methodology in Experimental Psychology John Wixted 2002 This revised and updated resource for experimental psychology covers developments in the field. Volume four: "Methodology in Experimental Psychology" focuses on comparative research methods used to measure psychological, social, behavioural and cognitive processes in human development.

International Conference on Science Education 2012 Proceedings Baohui Zhang 2014-05-06 This book contains papers presented at the International Conference on Science Education 2012, ICSE 2012, held in Nanjing University, Nanjing, China. It features the work of science education researchers from around the world addressing a common theme, Science Education: Policies and Social Responsibilities.The book covers a range of topics including international science education standards, public science education and science teacher education. It also examines how STEM education has dominated some countries' science education policy, ways brain research might provide new approaches for assessment, how some countries are developing their new national science education standards with research-based evidence and ways science teacher educators can learn from each other.Science education research is vital in the development of national science education policies, including science education standards, teacher professional development and public understanding of science. Featuring the work of an international group of science education researchers, this book offers many insightful ideas, experiences and strategies that will help readers better understand and address challenges in the field.

Stevens' Handbook of Experimental Psychology, Memory and Cognitive Processes Douglas Medin 2004-02-05 Now available in paperback. This revised and updated edition of the definitive resource for experimental psychology offers comprehensive coverage of the latest findings in the field, as well as the most recent contributions in methodology and the explosion of research in neuroscience. Volume Two: Memory and Cognitive Processes, focuses on the neurological and cognitive processes on topics such as memory, decision-making, spatial cognition, linguistics, reasoning, and concepts.

Multitasking: Executive Functioning in Dual-Task and Task Switching Situations Tilo Strobach 2018-03-27 Multitasking refers to performance of multiple tasks. The most prominent types of multitasking are situations including either temporal overlap of the execution of multiple tasks (i.e., dual tasking) or executing multiple tasks in varying sequences (i.e., task switching). In the literature, numerous attempts have aimed at theorizing about the specific characteristics of executive functions that control interference between simultaneously and/or sequentially active component of task-sets in these situations. However, these approaches have been rather vague regarding explanatory concepts (e.g., task-set inhibition, preparation, shielding, capacity limitation), widely lacking theories on detailed mechanisms and/ or empirical evidence for specific subcomponents. The present research topic aims at providing a selection of contributions on the details of executive functioning in dual-task and task switching situations. The contributions specify these executive functions by focusing on (1) fractionating assumed mechanisms into constituent subcomponents, (2) their variations by age or in clinical subpopulations, and/ or (3) their plasticity as a response to practice and training.

Schizophrenia Bulletin 1999

Handbook of Cognition Koen Lamberts 2005 A market need for a single-volume, up-to-date and international synthesis of cognitive psychology in Handbook format Aims to be affordable to individuals - most competing titles are primarily expensive and are predominantly library purchases i.e. Elsevier and Wiley titles Perfect for psychology students and researchers wanting an authoritative state-of-the-art overview of the discipline. Orchestrated in a way as to be appealing to those with no background in cognitive psychology Contains contributions from the world-leading scholars. Up-to-date in terms of research practice; authorial in tone; will be a benchmark reference work for many years to come. Covers traditional aspects of cognitive

psychology (memory, attention, perception etc) and newer, 'hot' areas too (cognitive neuroscience, computational & mathematical modeling).

Learn By Examples - A Quick Guide To Internet of Things With Arduino and Data Eric M. H. Goh This book aim to equip the reader with Arduino Programming and Internet of Things (IoT) basics. There will be many examples and explanations that are lucid and straight to the point. You will be walked through various projects. The author would recommend you have electronics basics knowledge. This book do show that you can use data science prediction model to predict or convert sensors values to respective units such as degree Celsius. Content Covered: IntroductionGetting Started (Installing IDE, ...)Language Essentials (variables, loops, ...)Digital and Analog I/OVarious Projects (Servo, DC, LEDs, Buzzer, IoT) You will need some electronics skills, and purchase some Arduino kits to start with. We do use online simulator that is free.

Encyclopedia of Human Memory [3 volumes] Annette Kujawski Taylor Ph.D. 2013-10-29 Providing clear, comprehensible information for general readers, this three-volume, A–Z encyclopedia covers the major theories and findings associated with our understanding of human memory and some of the crippling disorders associated with memory malfunction. This encyclopedia comprehensively addresses one of the most critical components of human intelligence—memory. Comprising approximately 500 A–Z entries written by experts who have studied memory and its impacts, the work defines complex terminology for lay readers and includes answers to the most common questions regarding human memory. Readers will gain an understanding of the various psychological and physiological systems of memory, such as short-term or procedural memory; comprehend the principles that underlie effective encoding, storage, and construction of memories; and learn the truth about often misconceptualized conditions like "amnesia" or how our memories are stored in bits and pieces rather than linearly like a recorded tape or video. This set is ideal for high school students writing term papers or studying for advanced examinations such as Advanced Placement (AP) in psychology. The volumes also provide a breadth of information invaluable to family members, friends, and caretakers of individuals who suffer from various memory disorders, including descriptions of major disorders, explanations of specific memory deficits, strategies for memory improvement, and information on the parts of the brain that access and store memory as well as the types of tests used to assess memory loss. Also included are biographies of key contributors to the field of cognitive psychology, and to the area of memory in particular.

Early Category and Concept Development : Making Sense of the Blooming, Buzzing Confusion David H. Rakison Assistant Professor of Psychology Carnegie Mellon University 2003-01-09 Whether or not infants' earliest perception of the world is a "blooming, buzzing, confusion," it is not long before they come to perceive structure and order among the objects and events around them. At the core of this process, and cognitive development in general, is the ability to categorize--to group events, objects, or properties together--and to form mental representations, or concepts, that encapsulate the commonalities and structure of these categories. Categorization is the primary means of coding experience, underlying not only perceptual and reasoning processes, but also inductive inference and language. The aim of this book is to bring together the most recent findings and theories about the origins and early development of categorization and conceptual abilities. Despite recent advances in our understanding of this area, a number of hotly debated issues remain at the center of the controversy over categorization. Researchers continue to ask questions such as: Which mechanisms for categorization are available at birth and which emerge later? What are the relative roles of perceptual similarity and nonobservable properties in early classification? What is the role of contextual variation in categorization by infants and children? Do different experimental procedures reveal the same kind of knowledge? Can computational models simulate infant and child categorization? How do computational models inform behavioral research? What is the impact of language on category development? How does language partition the world? This book is the first to address these and other key cuestions within a single volume. The authors present a diverse set of views representing cutting-edge empirical and theoretical advances in the field. The result is a thorough review of empirical contributions to the literature, and a wealth of fresh theoretical perspectives on early categorization.

Sports Tourism Chris Bull 2012-05-23 Sports Tourism: participants, policy and providers is an unparalleled text that explains sports tourism as a social, economic and cultural phenomenon that stems from the unique interaction of activity, people and place. Unlike other texts, it seeks to present sports tourism as a unique area that produces its own unique issues, concerns and controversies. The text tackles these issues from three viewpoints: participants: examining the profiles, motivations and behaviour patterns of sports tourists to create a typology of participants policy: analyses the response by policy makers to this phenomenon and the problems of achieving integration between two sectors with historically different cultures providers: their motivations, aims, objectives and strategies Illustrated by international case studies in each chapter, and with four extended case study chapters, Sports Tourism: participants, policy and providers examines this area using real life experiences and concrete evidence.

Routledge Library Editions: Linguistics Various 2021-12-02 Routledge Library Editions: Linguistics brings together as one set, mini-sets, or individual volumes, a series of previously out-of-print classics from a variety of academic imprints. With titles ranging from Applied Linguistics and Language Learning to Experimental Psycholinguistics and Sociolinguistics Today: International Perspectives, this set provides in one place a wealth of important reference sources from a wide range of authors expert in the field.

How to Help Your Class Learn English Claire Selby 2011

Text Mining Taeho Jo 2018-06-07 This book discusses text mining and different ways this type of data mining can be used to find implicit knowledge from text collections. The author provides the guidelines for implementing text mining systems in Java, as well as concepts and approaches. The book starts by providing detailed text preprocessing techniques and then goes on to provide concepts, the techniques, the implementation, and the evaluation of text categorization. It then goes into more advanced topics including text summarization, text segmentation, topic mapping, and automatic text management.

12th Annual Conference. C.S.S. Pod John R. Anderson 2022-03-31 The first volume of a series on Cognition. Looking at Memory, Catergorization, Causal Inference and Problem Solving. First Published in 1990. Routledge is an imprint of Taylor & Francis, an informa company.

Proceedings of the Twenty-Third Annual Conference of the Cognitive Science Society Johanna D. Moore 2001 Vol. includes all papers and posters presented at 2001 Cog Sci Mtg & summaries of symposia & invited addresses. Deals w/ issues of repres & model'g cog processes. Appeals to scholars in subdisciplines that comprise Cog Sci: Psych, Computr Sci, Neuro, Lin

Advances in Neural Information Processing Systems 11 Michael S. Kearns 1999 The annual conference on Neural Information Processing Systems (NIPS) is the flagship conference on neural computation. It draws preeminent

academic researchers from around the world and is widely considered to be a showcase conference for new developments in network algorithms and architectures. The broad range of interdisciplinary research areas represented includes computer science, neuroscience, statistics, physics, cognitive science, and many branches of engineering, including signal processing and control theory. Only about 30 percent of the papers submitted are accepted for presentation at NIPS, so the quality is exceptionally high. These proceedings contain all of the papers that were presented.

A Handbook of Model Categories Scott Balchin 2021-10-29 This book outlines a vast array of techniques and methods regarding model categories, without focussing on the intricacies of the proofs. Quillen model categories are a fundamental tool for the understanding of homotopy theory. While many introductions to model categories fall back on the same handful of canonical examples, the present book highlights a large, self-contained collection of other examples which appear throughout the literature. In particular, it collects a highly scattered literature into a single volume. The book is aimed at anyone who uses, or is interested in using, model categories to study homotopy theory. It is written in such a way that it can be used as a reference guide for those who are already experts in the field. However, it can also be used as an introduction to the theory for novices.

Deep Learning Illustrated Jon Krohn 2019-08-05 "The authors' clear visual style provides a comprehensive look at what's currently possible with artificial neural networks as well as a glimpse of the magic that's to come." — Tim Urban, author of Wait But Why Fully Practical, Insightful Guide to Modern Deep Learning Deep learning is transforming software, facilitating powerful new artificial intelligence capabilities, and driving unprecedented algorithm performance. Deep Learning Illustrated is uniquely intuitive and offers a complete introduction to the discipline's techniques. Packed with full-color figures and easy-to-follow code, it sweeps away the complexity of building deep learning models, making the subject approachable and fun to learn. World-class instructor and practitioner Jon Krohn—with visionary content from Grant Beyleveld and beautiful illustrations by Aglaé Bassens—presents straightforward analogies to explain what deep learning is, why it has become so popular, and how it relates to other machine learning approaches. Krohn has created a practical reference and tutorial for developers, data scientists, researchers, analysts, and students who want to start applying it. He illuminates theory with hands-on Python code in accompanying Jupyter notebooks. To help you progress quickly, he focuses on the versatile deep learning library Keras to nimbly construct efficient TensorFlow models; PyTorch, the leading alternative library, is also covered. You'll gain a pragmatic understanding of all major deep learning approaches and their uses in applications ranging from machine vision and natural language processing to image generation and game-playing algorithms. Discover what makes deep learning systems unique, and the implications for practitioners Explore new tools that make deep learning models easier to build, use, and improve Master essential theory: artificial neurons, training, optimization, convolutional nets, recurrent nets, generative adversarial networks (GANs), deep reinforcement learning, and more Walk through building interactive deep learning applications, and move forward with your own artificial intelligence projects Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details.

New Directions in Human Associative Learning Andy J. Wills 2005-01-15 The editor and authors of this book present a synthesis of work on human associative learning, tracing some of its historical roots but concentrating mainly on recent developments. It is divided into three sections: an introduction to the recent data and controversies in the study of human associative learning; recent developments in the formal theories of how associative learning occurs; and applied work on human associative learning, particularly its application to depression and to the development of preferences. The book is designed to be accessible to undergraduates, providing a clear illustration of how principles most commonly introduced in animal cognition courses are relevant to the contemporary study of human cognition.

Encyclopedia of the Human Brain 2002-07-04 In the past decade, enormous strides have been made in understanding the human brain. The advent of sophisticated new imaging techniques (e.g. PET, MRI, MEG, etc.) and new behavioral testing procedures have revolutionized our understanding of the brain, and we now know more about the anatomy, functions, and development of this organ than ever before. However, much of this knowledge is scattered across scientific journals and books in a diverse group of specialties: psychology, neuroscience, medicine, etc. The Encyclopedia of the Human Brain places all information in a single source and contains clearly written summaries on what is known of the human brain. Covering anatomy, physiology, neuropsychology, clinical neurology, neuropharmacology, evolutionary biology, genetics, and behavioral science, this four-volume encyclopedia contains over 200 peer reviewed signed articles from experts around the world. The Encyclopedia articles range in size from 5-30 printed pages each, and contain a definition paragraph, glossary, outline, and suggested readings, in addition to the body of the article. Lavishly illustrated, the Encyclopedia includes over 1000 figures, many in full color. Managing both breadth and depth, the Encyclopedia is a must-have reference work for life science libraries and researchers investigating the human brain.

Formative Assessment, Learning Data Analytics and Gamification Santi Caballé 2016-05-10 Formative Assessment, Learning Data Analytics and Gamification: An ICT Education discusses the challenges associated with assessing student progress given the explosion of e-learning environments, such as MOOCs and online courses that incorporate activities such as design and modeling. This book shows educators how to effectively garner intelligent data from online educational environments that combine assessment and gamification. This data, when used effectively, can have a positive impact on learning environments and be used for building learner profiles, community building, and as a tactic to create a collaborative team. Using numerous illustrative examples and theoretical and practical results, leading international experts discuss application of automatic techniques for e-assessment of learning activities, methods to collect, analyze, and correctly visualize learning data in educational environments, applications, benefits and challenges of using gamification techniques in academic contexts, and solutions and strategies for increasing student participation and performance. Indexing: The books of this series are submitted to EI-Compendex and SCOPUS Discusses application of automatic techniques for e-assessment of learning activities Presents strategies to provide immediate and useful feedback on students' activities Provides methods to collect, analyze, and correctly visualize learning data in educational environments Explains the applications, benefits, and challenges of using gamification techniques in academic contexts Offers solutions to increase students' participation and performance while lowering drop-out rates and retention levels

The Discipline of Organizing: Professional Edition Robert J. Glushko 2014-08-25 Note about this ebook: This ebook exploits many advanced capabilities with images,

hypertext, and interactivity and is optimized for EPUB3-compliant book readers, especially Apple's iBooks and browser plugins. These features may not work on all ebook readers. We organize things. We organize information, information about things, and information about information. Organizing is a fundamental issue in many professional fields, but these fields have only limited agreement in how they approach problems of organizing and in what they seek as their solutions. The Discipline of Organizing synthesizes insights from library science, information science, computer science, cognitive science, systems analysis, business, and other disciplines to create an Organizing System for understanding organizing. This framework is robust and forward-looking, enabling effective sharing of insights and design patterns between disciplines that weren’t possible before. The Professional Edition includes new and revised content about the active resources of the "Internet of Things," and how the field of Information Architecture can be viewed as a subset of the discipline of organizing. You’ll find: 600 tagged endnotes that connect to one or more of the contributing disciplines Nearly 60 new pictures and illustrations Links to cross-references and external citations Interactive study guides to test on key points The Professional Edition is ideal for practitioners and as a primary or supplemental text for graduate courses on information organization, content and knowledge management, and digital collections. FOR INSTRUCTORS: Supplemental materials (lecture notes, assignments, exams, etc.) are available at http://disciplineoforganizing.org. FOR STUDENTS: Make sure this is the edition you want to buy. There's a newer one and maybe your instructor has adopted that one instead.

Conscious Mind, Resonant Brain Stephen Grossberg 2021-05-28 How does your mind work? How does your brain give rise to your mind? These are questions that all of us have wondered about at some point in our lives, if only because everything that we know is experienced in our minds. They are also very hard questions to answer. After all, how can a mind understand itself? How can you understand something as complex as the tool that is being used to understand it? This book provides an introductory and self-contained description of some of the exciting answers to these questions that modern theories of mind and brain have recently proposed. Stephen Grossberg is broadly acknowledged to be the most important pioneer and current research leader who has, for the past 50 years, modelled how brains give rise to minds, notably how neural circuits in multiple brain regions interact together to generate psychological functions. This research has led to a unified understanding of how, where, and why our brains can consciously see, hear, feel, and know about the world, and effectively plan and act within it. The work embodies revolutionary Principia of Mind that clarify how autonomous adaptive intelligence is achieved. It provides mechanistic explanations of multiple mental disorders, including symptoms of Alzheimer's disease, autism, amnesia, and sleep disorders; biological bases of morality and religion, including why our brains are biased towards the good so that values are not purely relative; perplexing aspects of the human condition, including why many decisions are irrational and self-defeating despite evolution's selection of adaptive behaviors; and solutions to large-scale problems in machine learning, technology, and Artificial Intelligence that provide a blueprint for autonomously intelligent algorithms and robots. Because brains embody a universal developmental code, unifying insights also emerge about shared laws that are found in all living cellular tissues, from the most primitive to the most advanced, notably how the laws governing networks of interacting cells support developmental and learning processes in all species. The fundamental brain design principles of complementarity, uncertainty, and resonance that Grossberg has discovered also reflect laws of the physical world with which our brains ceaselessly interact, and which enable our brains to incrementally learn to understand those laws, thereby enabling humans to understand the world scientifically. Accessibly written, and lavishly illustrated, Conscious Mind/Resonant Brain is the magnum opus of one of the most influential scientists of the past 50 years, and will appeal to a broad readership across the sciences and humanities.

Learn & Serve America 1997

Machine Learning Techniques for Cybersecurity Elisa Bertino 2023-04-08 This book explores machine learning (ML) defenses against the many cyberattacks that make our workplaces, schools, private residences, and critical infrastructures vulnerable as a consequence of the dramatic increase in botnets, data ransom, system and network denials of service, sabotage, and data theft attacks. The use of ML techniques for security tasks has been steadily increasing in research and also in practice over the last 10 years. Covering efforts to devise more effective defenses, the book explores security solutions that leverage machine learning (ML) techniques that have recently grown in feasibility thanks to significant advances in ML combined with big data collection and analysis capabilities. Since the use of ML entails understanding which techniques can be best used for specific tasks to ensure comprehensive security, the book provides an overview of the current state of the art of ML techniques for security and a detailed taxonomy of security tasks and corresponding ML techniques that can be used for each task. It also covers challenges for the use of ML for security tasks and outlines research directions. While many recent papers have proposed approaches for specific tasks, such as software security analysis and anomaly detection, these approaches differ in many aspects, such as with respect to the types of features in the model and the dataset used for training the models. In a way that no other available work does, this book provides readers with a comprehensive view of the complex area of ML for security, explains its challenges, and highlights areas for future research. This book is relevant to graduate students in computer science and engineering as well as information systems studies, and will also be useful to researchers and practitioners who work in the area of ML techniques for security tasks.

Proceedings of the Twenty-second Annual Conference of the Cognitive Science Society Lila R. Gleitman 2000 Vol inclu all ppers & postrs presntd at 2000 Cog Sci mtg & summaries of symposia & invitd addresses. Dealg wth issues of representg & modelg cog procsses, appeals to scholars in all subdiscip tht comprise cog sci: psy, compu sci, neuro sci, ling, & philo

Current Issues in Cognitive Processes Chizuko Izawa 2014-02-25 The first book-length collection of papers presented at a Flowerree Symposium, this volume provides an in-depth analysis of a variety of the newest and most critical empirical and theoretical issues in the study of human cognition. These include models of human category learning, models of memory, implicit memory and knowledge, dynamic decision behavior, effects of test and item presentation methods, visual inputs, and contexts. An essential reference for professionals and ideal for use as a textbook by both advanced undergraduate and graduate students.

Psychology of Learning and Motivation Douglas L. Medin 1999-10-07 Psychology of Learning and Motivation publishes empirical and theoretical contributions in cognitive and experimental psychology, ranging from classical and instrumental conditioning to complex learning and problem solving. Each chapter provides a thoughtful integration of a body of work. Volume 39 includes in its coverage chapters on category learning,

relational timing, infant memory, depression and memory, goals and choice, and more.

Learning How to Learn Barbara Oakley, PhD 2018-08-07 A surprisingly simple way for students to master any subject--based on one of the world's most popular online courses and the bestselling book A Mind for Numbers A Mind for Numbers and its wildly popular online companion course "Learning How to Learn" have empowered more than two million learners of all ages from around the world to master subjects that they once struggled with. Fans often wish they'd discovered these learning strategies earlier and ask how they can help their kids master these skills as well. Now in this new book for kids and teens, the authors reveal how to make the most of time spent studying. We all have the tools to learn what might not seem to come naturally to us at first--the secret is to understand how the brain works so we can unlock its power. This book explains: Why sometimes letting your mind wander is an important part of the learning process How to avoid "rut think" in order to think outside the box Why having a poor memory can be a good thing The value of metaphors in developing understanding A simple, yet powerful, way to stop procrastinating Filled with illustrations, application questions, and exercises, this book makes learning easy and fun.

Meanings and Prototypes (RLE Linguistics B: Grammar) S.L. Tsohatzidis 2014-02-03 There are fewer distinctions in any language than there are distinct things in the universe. If, therefore, languages are ways of representing the universe, a primary function of their elements must be to allow the much more varied kinds of elements out of which the universe is made to be categorized in specific ways. A prototype approach to linguistic categories is a particular way of answering the question of how this categorization operates. It involves two claims. First, that linguistic categorization exploits principles that are not specific to language but characterize most, if not all, processes of cognition. Secondly, that a basic principle by which cognitive and linguistic categories are organized is the prototype principle, which assigns elements to a category not because they exemplify properties that are absolutely required of each one of its members, but because they exhibit, in varying degrees, certain types of similarity with a particular category member which has been established as the best example (or: prototype) of its kind. The development of the prototype approach into a satisfactory body of theory obviously requires both that its empirical base be enriched, and that its conceptual foundations be clarified. These are the areas where this volume, in its 26 essays, makes original contributions. The first two parts contain discussions in which various kinds of linguistic phenomena are analysed in ways that make essential use of prototype notions. The last two parts contain discussions in which prototype notions themselves become the object, rather than the instrument, of analytical scrutiny.

A Connectionist Model of Category Learning John Kendall Kruschke 1990

Transactions of the ... Army Conference on Applied Mathematics and Computing 1986