Networking Arguments | 6f8c421 21ecef8cfb1b3261a4dcbcdd7

Of intent, citation game, and scale-free networks: A heuristic argumentComputational Models of ArgumentAgri-Food Commodity Chains and Globalising NetworksThe Purposeful Argument: A Practical Guide with APA 7e UpdatesMerchants and Trade Networks in the Atlantic and the Mediterranean, 1550-1800Networks, Crowds, and MarketsThe Rise of the Networking RegionPrinciples of Semantic NetworksInventing ArgumentsNetworks, Crowds, and MarketsStructures as ArgumentUnix Networking Clearly ExplainedAbsolute Beginner's Guide to NetworkingElements of ArgumentNetworking ArgumentIntelligence Analysis as Discovery of Evidence, Hypotheses, and ArgumentsDisturbing ArgumentNetworking ArgumentArgument as Dialogue Across DifferencePractical ArgumentLiterary CriticismDiplomatic and Mediated Arguments in the North Korean CrisisEmergency Response to Domestic TerrorismAutomatic Generation of Neural Network Architecture Using Evolutionary ComputationThe Network TurnLocal Theories of ArgumentNetworking ArgumentsModeling and Reasoning with Bayesian NetworksBody Area NetworksComplex-Valued Neural Networks with Multi-Valued NeuronsNetworks in ClimateArguments, Stories and Criminal EvidenceTen Arguments for Deleting Your

Social Media Accounts Right NowCosmopolitan English and TransliteracyThe Purposeful Argument: A Practical GuideDelete Me: An Argument Against FacebookComputational Models of ArgumentNetworking IBM PCsComputational Models of ArgumentParallel Computing on Heterogeneous Networks

Of intent, citation game, and scale-free networks: A heuristic argument

Computational Models of Argument

Are all film stars linked to Kevin Bacon? Why do the stock markets rise and fall sharply on the strength of a vague rumour? How does gossip spread so quickly? Are we all related through six degrees of separation? There is a growing awareness of the complex networks that pervade modern society. We see them in the rapid growth of the Internet, the ease of global communication, the swift spread of news and information, and in the way epidemics and financial crises develop with startling speed and intensity. This introductory book on the new science of networks takes an interdisciplinary approach, using economics, sociology, computing, information science and applied mathematics to address fundamental questions about the links that connect us, and the ways that our

decisions can have consequences for others.

Agri-Food Commodity Chains and Globalising Networks

A timely call-to-arms from a Silicon Valley pioneer. You might have trouble imagining life without your social media accounts, but virtual reality pioneer Jaron Lanier insists that we're better off without them. In Ten Arguments for Deleting Your Social Media Accounts Right Now, Lanier, who participates in no social media, offers powerful and personal reasons for all of us to leave these dangerous online platforms. Lanier's reasons for freeing ourselves from social media's poisonous grip include its tendency to bring out the worst in us, to make politics terrifying, to trick us with illusions of popularity and success, to twist our relationship with the truth, to disconnect us from other people even as we are more "connected" than ever, to rob us of our free will with relentless targeted ads. How can we remain autonomous in a world where we are under continual surveillance and are constantly being prodded by algorithms run by some of the richest corporations in history that have no way of making money other than being paid to manipulate our behavior? How could the benefits of social media possibly outweigh the catastrophic losses to our personal dignity, happiness, and freedom?

Lanier remains a tech optimist, so while demonstrating the evil that rules social media business models today, he also envisions a humanistic setting for social networking that can direct us toward a richer and fuller way of living and connecting with our world.

The Purposeful Argument: A Practical Guide with APA 7e Updates

This edited volume presents selected works from the 20th Biennial Alta Argumentation Conference, sponsored by the National Communication Association and the American Forensics Association and held in 2017. The conference brought together scholars from Europe, Asia, and North America to engage in intensive conversations about how argument functions in our increasingly networked society. The essays discuss four aspects of networked argument. Some examine arguments occurring in online networks, seeking to both understand and respond more effectively to the acute changes underway in the information age. Others focus on offline networks to identify historical and contemporary resources available to advocates in the modern day. Still others discuss the value-added of including argumentation scholars on interdisciplinary research teams analyzing a diverse range of subjects, including science, education, health, law, economics, history,

security, and media. Finally, the remainder
network argumentation theories explore how
the interactions between and among existing
theories offer fruitful ground for new
insights for the field of argumentation
studies. The wide range of disciplinary
backgrounds and methodological approaches
employed in Networking Argument make this
volume a unique compilation of perspectives
for understanding urgent and sustaining
issues facing our society.

Merchants and Trade Networks in the Atlantic and the Mediterranean, 1550–1800

In the spirit of models of argument starting
with inquiry, this book starts with a
question: What might it mean to teach
argument in ways that open up spaces for
change—changes of mind, changes of practice
and policy, changes in ways of talking and
relating? The author explores teaching
argument in ways that take into account the
complexities and pluralities young people
face as they attempt to enact local and
global citizenship with others who may
reasonably disagree. The focus is foremost on
social action—the hard, hopeful work of
finding productive ways forward in contexts
where people need to work together across
difference to get something worthwhile done.

Networks, Crowds, and Markets

This book provides a thorough introduction to the formal foundations and practical applications of Bayesian networks. It provides an extensive discussion of techniques for building Bayesian networks that model real-world situations, including techniques for synthesizing models from design, learning models from data, and debugging models using sensitivity analysis. It also treats exact and approximate inference algorithms at both theoretical and practical levels. The author assumes very little background on the covered subjects, supplying in-depth discussions for theoretically inclined readers and enough practical details to provide an algorithmic cookbook for the system developer.

The Rise of the Networking Region

Unix has becomes the foremost operating systems platform for network servers and workstations. Many of the tools used currently for Internet access were designed originally on Unix. Unix Networking Clearly Explained focuses on the Unix tools used for network and Internet access. The book covers the essentials of electronic mail as well as popular Unix mailers such as mailx, elm, pine, and mh . Detailed configuration features are addressed for each mailer. The

various Unix newsreaders are covered in depth including trn, tin, and nn . The book also covers Internet tools as archie, telnet, ftp, Web browsers, and Gopher .While not intended as a unix primer for system administration Unix Networking Clearly Explained will introduce the basics of network administration. The focus of this book is on the end-user client software, rather than the technicalities of network administration. The aim of the book is to help users make use of all the Unix tools available on their local networks and the Internet. The content will introduce the reader to the complete range of unix networking capabilities so that a computing professional new to Unix will understand the basics before moving into the more complex area of Unix system administration.

Principles of Semantic Networks

Emphasizing the practical and the local, THE PURPOSEFUL ARGUMENT: A PRACTICAL GUIDE, 2E effectively brings argument into real life with community-based writing activities, illustrating that the tools and skills of argument are critical to success now-and well beyond. With a focus on accessibility, the text encourages students to argue in response to issues in a variety of environments-school, workplace, family, neighborhood, social-cultural, consumer, and concerned

citizen-and learn how argument can become an essential negotiating skill in everyday life. It offers thorough treatments of Toulmin-based and Rogerian approaches to argument as well as teaches the value of fully understanding the opposition, the importance of aiming for the middle ground, and how to use a microhistory to forge an unconventional position. The only introduction to argument written with the today's diverse student body in mind, THE PURPOSEFUL ARGUMENT uses vivid explanations, detailed examples, and practical exercises to guide students step by step through the process of building an effective argument. In addition, a rich anthology of arguments covers a wide range of today's leading issues. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Inventing Arguments

Using a flexible software system, this book teaches evidential and inferential issues used in drawing conclusions from masses of evidence.

Networks, Crowds, and Markets

Structures as Argument assesses museums, places of worship, monuments, and cemetery stones as means of visual persuasion. It

argues that structures are equally capable of influencing viewers as speeches or advertisements are and that to miss this essential feature of them is to fail in understanding their cultural roles. The book spotlights museums ranging from such cultural icons as the Louvre and the British Museum, to such museums of collective memory as the Anne Frank House, to museums of pure visual persuasion such as the Doge's Palace in Venice. It features places of worship which range from Notre-Dame de Paris, to the Spanish missions of San Antonio, Texas, to the Protestant churches of America and includes a chapter on non-Western structures such as Chinese museums and Buddhist temples. Structures as Argument makes a significant contribution to the theory of persuasion, visual communication, and art history. It utilizes a theory of visual signs developed by Paul Messaris out of the semiotic theory of C. S. Peirce. In so doing, it demonstrates that artifacts of war, cathedral iconography, positioning of art objects for effect, and the art of gravestone sculpture all may be thought of in terms of means of social influence.

Structures as Argument

Emergency Response to Domestic Terrorism analyzes the emergency response to the bombing of the Alfred P. Murrah Federal

Building in Oklahoma City on April 19, 1995. Terrorism is a complex threat, and the American government is expected to deter or intervene in every attack. For that reason, the government must be better prepared to respond to acts of terror. One critical element is to understand what constitutes an "effective response." To answer this key question, the author examined the existing literature and interviewed thirty-one elite participants in the emergency response to the bombing. The result is a unique qualitative case study that analyzes the response efforts undertaken after the bombing to draw conclusions about their relative success or failure. Emergency Response to Domestic Terrorism looks at the nature and interrelationship of bureaucratic structures involved in the response, the organizational networking between the response bureaucracy, and the impact of bureaucratic culture on the response. The work contributes to the existing literatures in both emergency response and bureaucracy. First, theoretical arguments about bureaucracies and their function are put to the test as they are applied to a specific crisis situation. Second, interview materials with key individuals who were on the scene of this American terrorist disaster are provided. Third, the emergency response literature is examined to determine whether the Oklahoma City bombing exhibited the anticipated response challenges. In addition, the work

provides insights into the extent to which response communities are familiar with federal response guidelines. The overall results of the study are applicable to emergency response to terrorist incidents and to natural disasters. By bringing together the academic and the practical aspects of emergency response, the work will appeal to students, practitioners, and policymakers. Further, it will foster better understanding of public policy and public administration in general.

Unix Networking Clearly Explained

From the best-selling authors of the most successful reader in America comes Practical Argument. No one writes for the introductory composition student like Kirszner and Mandell, and Practical Argument simplifies the study of argument. A straightforward, full-color, accessible introduction to argumentative writing, it employs an exercise-driven, thematically focused, step-by-step approach to get to the heart of what students need to understand argument. In clear, concise, no-nonsense language, Practical Argument focuses on basic principles of classical argument and introduces alternative methods of argumentation. Practical Argument forgoes the technical terminology that confuses students and instead explains concepts in understandable, everyday

language, illustrating them with examples that are immediately relevant to students' lives.

Absolute Beginner's Guide to Networking

How regions and cities adapt to a Network Society and a globalized environment, the policies they pursue and how structures of governance are transformed in the pursuit of those policies are major themes in this volume. These issues are addressed with specific reference to the Nordic regions of Europe. Covering the four Nordic countries of Denmark, Finland, Norway, and Sweden plus the Faroe Islands, this volume charts the changes in networking activities and related development initiatives that have taken place over the last ten years. This means analysing regions in their pursuit of new policies, partnerships and styles of representation. Through this process regions are becoming partners and players in European integration and a movement of integrative regionalism is taking shape which is different from inward looking identity regionalism or self-centred competitive regionalism and takes regions beyond lobbying in Brussels.

Elements of Argument

Over the past decade there has been a growing public fascination with the complex

connectedness of modern society. This
connectedness is found in many incarnations:
in the rapid growth of the Internet, in the
ease with which global communication takes
place, and in the ability of news and
information as well as epidemics and
financial crises to spread with surprising
speed and intensity. These are phenomena that
involve networks, incentives, and the
aggregate behavior of groups of people; they
are based on the links that connect us and
the ways in which our decisions can have
subtle consequences for others. This
introductory undergraduate textbook takes an
interdisciplinary look at economics,
sociology, computing and information science,
and applied mathematics to understand
networks and behavior. It describes the
emerging field of study that is growing at
the interface of these areas, addressing
fundamental questions about how the social,
economic, and technological worlds are
connected.

Networking Argument

This book examines media coverage and public
diplomacy regarding the North Korea nuclear
controversy, with a focus on the history of
military and diplomatic efforts to resolve
tensions on the Korean Peninsula. Chapters
consider both legacy and social media
coverage in the United States, South Korea,

Japan, and China, as well as the power of visual images and the role of military and hard power in shaping public understanding and events in the region.

Intelligence Analysis as Discovery of Evidence, Hypotheses, and Arguments

Argumentation, which has long been a topic of study in philosophy, has become a well-established aspect of computing science in the last 20 years. This book presents the proceedings of the fifth conference on Computational Models of Argument (COMMA), held in Pitlochry, Scotland in September 2014. Work on argumentation is broad, but the COMMA community is distinguished by virtue of its focus on the computational and mathematical aspects of the subject. This focus aims to ensure that methods are sound – that they identify arguments that are correct in some sense – and provide an unambiguous specification for implementation; producing programs that reason in the correct way and building systems capable of natural argument or of recognizing argument. The book contains 24 long papers and 18 short papers, and the 21 demonstrations presented at the conference are represented in the proceedings either by an extended abstract or by association with another paper. The book will be of interest to all those whose work involves argumentation as it relates to artificial

intelligence.

Disturbing Argument

Research into computational models of
argument is a rich interdisciplinary field
involving the study of natural, artificial
and theoretical argumentation and requiring
openness to interactions with a variety of
disciplines, ranging from philosophy and
cognitive science to formal logic and graph
theory. The ultimate aim is to support the
development of computer-based systems able to
engage in argumentation-related activities,
either with human users or among themselves.
This book presents the proceedings of the
sixth biennial International Conference on
Computational Models of Argument (COMMA
2016), held in Potsdam, Germany, on 12- 16
September. The aim of the COMMA conferences
is to bring together researchers interested
in computational models of argument and the
representation of argumentation structures in
natural language texts, with special
attention to contributions concerning
emerging trends and the development of new
connections with other areas. The book
contains the 25 full papers, 17 short papers
and 10 demonstration abstracts presented at
the conference, together with 3 invited
talks. Subjects covered include abstract,
bipolar and structured argumentation,
quantitative approaches and their connections

with formalisms like Bayesian networks and fuzzy logic, multi-agent scenarios, algorithms and solvers, and mining arguments in text, dialogue, and social media. The book provides an overview of current research and developments in the field of computational models of argument, and will be essential reading for all those with an interest in the field.

Networking Argument

Elements of Argument combines a thorough argument text on critical thinking, reading, writing, and research with an extensive reader on both current and timeless controversial issues. It presents everything students need to analyze, research, and write arguments. Elements of Argument covers Toulmin, Aristotelian, and Rogerian models of argument and has been thoroughly updated with current selections students will want to read. It now includes additional support for academic writing, making it a truly flexible classroom resource. An electronic edition is available at half the price of the print book. Read the preface.

Argument as Dialogue Across Difference

This collective volume explores the ways merchants managed to connect different spaces all over the globe in the early modern period

by organizing the movement of goods, capital, information and cultural objects between different commercial maritime systems in the Mediterranean and Atlantic basin. Merchants and Trade Networks in the Atlantic and the Mediterranean, 1550-1800 consists of four thematic blocs: theoretical considerations, the social composition of networks, connected spaces, networks between formal and informal exchange, as well as possible failures of ties. This edited volume features eleven contributions who deal with theoretical concepts such as social network analysis, globalization, social capital and trust. In addition, several chapters analyze the coexistence of mono-cultural and transnational networks, deal with network failure and shifting network geographies, and assess the impact of kinship for building up international networks between the Mediterranean and the Atlantic. This work evaluates the use of specific network types for building up connections across the Mediterranean and the Atlantic Basin stretching out to Central Europe, the Northern Sea and the Pacific. This book is of interest to those who study history of economics and maritime economics, as well as historians and scholars from other disciplines working on maritime shipping, port studies, migration, foreign mercantile communities, trade policies and mercantilism.

Practical Argument

Written for today's diverse learners, THE
PURPOSEFUL ARGUMENT: A PRACTICAL GUIDE, 3rd
Edition, equips you with skills that are
critical to success in school and well
beyond. Extremely accessible, it encourages
learners to argue in response to issues in a
variety of environments -- school, workplace,
family, neighborhood, social-cultural,
consumer, and concerned citizen -- and
illustrates how argument can become an
essential negotiating skill in everyday life.
Offering thorough treatments of Toulmin-based
and Rogerian approaches, it teaches the value
of understanding the opposition, the
importance of aiming for the middle ground
and how to use a microhistory to forge an
unconventional position. Vivid explanations,
detailed examples and practical exercises
guide you step by step through the process of
building an effective argument. A rich
anthology of arguments covers current issues.
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Literary Criticism

Within the international agri-food community
at least four theoretical targets are
attracting increasing attention. They are:

(1) the established notions of networks and commodity chains that are being revisited by way of critical engagement informed by the insights of in-depth empirical work, (2) the metrics of calculation and institutional embedding that underpin the rise and functionality of governance technologies, (3) the place of regional networking in creating conditions that make possible agri-food producer participation in local provisioning and supply, and (4) the geo-historical dimensions of interconnection and interdependency in the agri-food sphere. This volume brings together an interdisciplinary team of anthropologists, economists, business and management academics and geographers to examine a wide range of case studies illustrating various agri-food commodity chains and networks around the world and to discuss how they link globally.

Diplomatic and Mediated Arguments in the North Korean Crisis

Principles of Semantic Networks: Explorations in the Representation of Knowledge provides information pertinent to the theory and applications of semantic networks. This book deals with issues in knowledge representation, which discusses theoretical topics independent of particular implementations. Organized into three parts encompassing 19 chapters, this book begins

with an overview of semantic network structure for representing knowledge as a pattern of interconnected nodes and arcs. This text then analyzes the concepts of subsumption and taxonomy and synthesizes a framework that integrates many previous approaches and goes beyond them to provide an account of abstract and partially defines concepts. Other chapters consider formal analyses, which treat the methods of reasoning with semantic networks and their computational complexity. This book discusses as well encoding linguistic knowledge. The final chapter deals with a formal approach to knowledge representation that builds on ideas originating outside the artificial intelligence literature in research on foundations for programming languages. This book is a valuable resource for mathematicians.

Emergency Response to Domestic Terrorism

Presents papers from the Third Conference on Computational Models of Argument, held in September 2010 in Desanzano del Garda, Italy. Providing a view of this important research field, this book is of interest to those involved in the use and development of artificial intelligence systems.

Automatic Generation of Neural Network

Architecture Using Evolutionary Computation

New approaches to parallel computing are being developed that make better use of the heterogeneous cluster architecture Provides a detailed introduction to parallel computing on heterogenous clusters All concepts and algorithms are illustrated with working programs that can be compiled and executed on any cluster The algorithms discussed have practical applications in a range of real-life parallel computing problems, such as the N-body problem, portfolio management, and the modeling of oil extraction

The Network Turn

A heuristic argument was presented in favor of hypothesis that scientific communication corresponds to a process known as scale-free network.

Local Theories of Argument

Over the last two decades the complex network paradigm has proven to be a fruitful tool for the investigation of complex systems in many areas of science; for example, the Internet, neural networks and social networks. This book provides an overview of applications of network theory to climate variability, such as the El Niño/Southern Oscillation and the

Indian Monsoon, presenting recent important results obtained with these techniques and showing their potential for further development and research. The book is aimed at researchers and graduate students in climate science. A basic background in physics and mathematics is required. Several of the methodologies presented here will also be valuable to a broader audience of those interested in network science, for example, from biomedicine, ecology and economics.

Networking Arguments

"This book argues for a broad cosmopolitan perspective that emphasizes local as well as global forms of citizenship and identification and sees human connectedness as being deeply underpinned by various accents, styles, and uses of language in everyday practices"--

Modeling and Reasoning with Bayesian Networks

We live in a networked world. Online social networking platforms and the World Wide Web have changed how society thinks about connectivity. Because of the technological nature of such networks, their study has predominantly taken place within the domains of computer science and related scientific fields. But arts and humanities scholars are

increasingly using the same kinds of visual
and quantitative analysis to shed light on
aspects of culture and society hitherto
concealed. This Element contends that
networks are a category of study that cuts
across traditional academic barriers, uniting
diverse disciplines through a shared
understanding of complexity in our world.
Moreover, we are at a moment in time when it
is crucial that arts and humanities scholars
join the critique of how large-scale network
data and advanced network analysis are being
harnessed for the purposes of power,
surveillance, and commercial gain. This title
is also available as Open Access on Cambridge
Core.

Body Area Networks

This edited volume presents selected works
from the 20th Biennial Alta Argumentation
Conference, sponsored by the National
Communication Association and the American
Forensics Association and held in 2017. The
conference brought together scholars from
Europe, Asia, and North America to engage in
intensive conversations about how argument
functions in our increasingly networked
society. The essays discuss four aspects of
networked argument. Some examine arguments
occurring in online networks, seeking to both
understand and respond more effectively to
the acute changes underway in the information

age. Others focus on offline networks to identify historical and contemporary resources available to advocates in the modern day. Still others discuss the value-added of including argumentation scholars on interdisciplinary research teams analyzing a diverse range of subjects, including science, education, health, law, economics, history, security, and media. Finally, the remainder network argumentation theories explore how the interactions between and among existing theories offer fruitful ground for new insights for the field of argumentation studies. The wide range of disciplinary backgrounds and methodological approaches employed in Networking Argument make this volume a unique compilation of perspectives for understanding urgent and sustaining issues facing our society.

Complex-Valued Neural Networks with Multi-Valued Neurons

Argumentation is often understood as a coherent set of Western theories, birthed in Athens and developing throughout the Roman period, the Middle Ages, the Enlightenment and Renaissance, and into the present century. Ideas have been nuanced, developed, and revised, but still the outline of argumentation theory has been recognizable for centuries, or so it has seemed to Western scholars. The 2019 Alta Conference on

Argumentation (co-sponsored by the National Communication Association and the American Forensic Association) aimed to question the generality of these intellectual traditions. This resulting collection of essays deals with the possibility of having local theories of argument - local to a particular time, a particular kind of issue, a particular place, or a particular culture. Many of the papers argue for reconsidering basic ideas about arguing to represent the uniqueness of some moment or location of discourse. Other scholars are more comfortable with the Western traditions, and find them congenial to the analysis of arguments that originate in discernibly distinct circumstances. The papers represent different methodologies, cover the experiences of different nations at different times, examine varying sorts of argumentative events (speeches, court decisions, food choices, and sound), explore particular personal identities and the issues highlighted by them, and have different overall orientations to doing argumentation scholarship. Considered together, the essays do not generate one simple conclusion, but they stimulate reflection about the particularity or generality of the experience of arguing, and therefore the scope of our theories.

Networks in Climate

Organized around common rhetorical situations that occur all around us, INVENTING ARGUMENTS shows students that argument is a living process rather than a form to be modeled. The text's focus on invention teaches students to recognize the rhetorical elements of any argumentative situation and apply the tools of argument effectively in their own writing. Students are introduced to the basic layers of argument in early chapters, with material arranged into increasingly sophisticated topics beginning with the most obvious or explicit layers (claims) and moving to the more implied layers of assumptions, values, beliefs, and ideology. By the time they finish Part I, your students will have a thorough understanding of argument, which they can then apply to the invention projects in Chapters 7?12. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Arguments, Stories and Criminal Evidence

Ten Arguments for Deleting Your Social Media Accounts Right Now

As the study of literature has extended to cultural contexts, critics have developed a language all their own. Yet, argues Mark

Bauerlein, scholars of literature today are
so unskilled in pertinent sociohistorical
methods that they compensate by adopting
cliches and catchphrases that serve as
substitutes for information and logic. Thus
by labeling a set of ideas an "ideology" they
avoid specifying those ideas, or by saying
that someone "essentializes" a concept they
convey the air of decisive refutation. As
long as a paper is generously sprinkled with
the right words, clarification is deemed
superfluous. Bauerlein contends that such
usages only serve to signal political
commitments, prove membership in subgroups,
or appeal to editors and tenure committees,
and that current textual practices are
inadequate to the study of culture and
politics they presume to undertake. His book
discusses 23 commonly encountered terms—from
"deconstruction" and "gender" to
"problematize" and "rethink"—and offers a
diagnosis of contemporary criticism through
their analysis. He examines the motives
behind their usage and the circumstances
under which they arose and tells why they
continue to flourish. A self-styled "handbook
of counterdisciplinary usage," Literary
Criticism: An Autopsy shows how the use of
illogical, unsound, or inconsistent terms has
brought about a breakdown in disciplinary
focus. It is an insightful and entertaining
work that challenges scholars to reconsider
their choice of words—and to eliminate many
from critical inquiry altogether.

Cosmopolitan English and Transliteracy

In this book a theory of reasoning with evidence in the context of criminal cases is developed. The main subject of this study is not the law of evidence but rather the rational process of proof, which involves constructing, testing and justifying scenarios about what happened using evidence and commonsense knowledge. A central theme in the book is the analysis of ones reasoning, so that complex patterns are made more explicit and clear. This analysis uses stories about what happened and arguments to anchor these stories in evidence. Thus the argumentative and the narrative approaches from the research in legal philosophy and legal psychology are combined. Because the book describes its subjects in both an informal and a formal style, it is relevant for scholars in legal philosophy, AI, logic and argumentation theory. The book can also appeal to practitioners in the investigative and legal professions, who are interested in the ways in which they can and should reason with evidence.

The Purposeful Argument: A Practical Guide

Complex-Valued Neural Networks have higher functionality, learn faster and generalize better than their real-valued counterparts.

This book is devoted to the Multi-Valued Neuron (MVN) and MVN-based neural networks. It contains a comprehensive observation of MVN theory, its learning, and applications. MVN is a complex-valued neuron whose inputs and output are located on the unit circle. Its activation function is a function only of argument (phase) of the weighted sum. MVN derivative-free learning is based on the error-correction rule. A single MVN can learn those input/output mappings that are non-linearly separable in the real domain. Such classical non-linearly separable problems as XOR and Parity n are the simplest that can be learned by a single MVN. Another important advantage of MVN is a proper treatment of the phase information. These properties of MVN become even more remarkable when this neuron is used as a basic one in neural networks. The Multilayer Neural Network based on Multi-Valued Neurons (MLMVN) is an MVN-based feedforward neural network. Its backpropagation learning algorithm is derivative-free and based on the error-correction rule. It does not suffer from the local minima phenomenon. MLMVN outperforms many other machine learning techniques in terms of learning speed, network complexity and generalization capability when solving both benchmark and real-world classification and prediction problems. Another interesting application of MVN is its use as a basic neuron in multi-state associative memories. The book is addressed to those readers who

develop theoretical fundamentals of neural networks and use neural networks for solving various real-world problems. It should also be very suitable for Ph.D. and graduate students pursuing their degrees in computational intelligence.

Delete Me: An Argument Against Facebook

This book describes the application of evolutionary computation in the automatic generation of a neural network architecture. The architecture has a significant influence on the performance of the neural network. It is the usual practice to use trial and error to find a suitable neural network architecture for a given problem. The process of trial and error is not only time-consuming but may not generate an optimal network. The use of evolutionary computation is a step towards automation in neural network architecture generation. An overview of the field of evolutionary computation is presented, together with the biological background from which the field was inspired. The most commonly used approaches to a mathematical foundation of the field of genetic algorithms are given, as well as an overview of the hybridization between evolutionary computation and neural networks. Experiments on the implementation of automatic neural network generation using genetic programming and one using genetic

algorithms are described, and the efficacy of genetic algorithms as a learning algorithm for a feedforward neural network is also investigated. Contents:Artificial Neural NetworksEvolutionary ComputationThe Biological BackgroundMathematical Foundations of Genetic AlgorithmsImplementing GasHybridisation of Evolutionary Computation and Neural NetworksUsing Genetic Programming to Generate Neural NetworksUsing a GA to Optimise the Weights of a Neural NetworkUsing a GA with Grammar Encoding to Generate Neural NetworksConclusions and Future Directions Readership: Scientists, engineers, and researchers interested in artificial intelligence and systems & knowledge engineering. keywords:Artificial Neural Networks;Neural Networworks Architecture;Automatic Neural Networworks Generation;Learning;Genetic Algorithms;Evolutionary Algorithms;Hybridization

Computational Models of Argument

Networking Arguments presents an original study on the use and misuse of global institutional rhetoric and the effects of these practices on women, particularly in developing countries. Using a feminist lens, Rebecca Dingo views the complex networks that rhetoric flows through, globally and nationally, and how it's often reconfigured

to work both for and against women and to
maintain existing power structures. To see
how rhetorics travel, Dingo deconstructs the
central terminology employed by global
institutions—mainstreaming, fitness, and
empowerment—and shows how their meanings
shift depending on the contexts in which
they're used. She studies programs by the
World Bank, the United Nations, and the
United States, among others, to view the
original policies, then follows the trail of
their diffusion and manipulation and the
ultimate consequences for individuals. To
analyze transnational rhetorical processes,
Dingo builds a theoretical framework by
employing concepts of transcoding,
ideological traffic, and interarticulation to
uncover the intricacies of power
relationships at work within networks. She
also views transnational capitalism,
neoliberal economics, and neocolonial
ideologies as primary determinants of policy
and arguments over women's roles in the
global economy. Networking Arguments offers a
new method of feminist rhetorical analysis
that allows for an increased understanding of
global gender policies and encourages
strategies to counteract the negative effects
they can create.

Networking IBM PCs

Body area networks (BANs) are networks of

wireless sensors and medical devices embedded in clothing, worn on or implanted in the body, and have the potential to revolutionize healthcare by enabling pervasive healthcare. However, due to their critical applications affecting human health, challenges arise when designing them to ensure they are safe for the user, sustainable without requiring frequent battery replacements and secure from interference and malicious attacks. This book lays the foundations of how BANs can be redesigned from a cyber-physical systems perspective (CPS) to overcome these issues. Introducing cutting-edge theoretical and practical techniques and taking into account the unique environment-coupled characteristics of BANs, the book examines how we can re-imagine the design of safe, secure and sustainable BANs. It features real-world case studies, suggestions for further investigation and project ideas, making it invaluable for anyone involved in pervasive and mobile healthcare, telemedicine, medical apps and other cyber-physical systems.

Computational Models of Argument

This edited volume represents the best of the scholarship presented at the 18th National Communication Association/American Forensic Association Conference on Argumentation. This biennial conference brings together a lively group of argumentation scholars from a range

of disciplinary approaches and a variety of countries. Disturbing Argument contains selected works that speak both to the disturbing prevalence of violence in the contemporary world and to the potential of argument itself, to disturb the very relations of power that enable that violence. Scholars' essays analyze a range of argument forms, including body and visual argument, interpersonal and group argument, argument in electoral politics, public argument, argument in social protest, scientific and technical argument, and argument and debate pedagogy. Contributors study argument using a range of methodological approaches, from social scientifically informed studies of interpersonal, group, and political argument to humanistic examinations of argument theory, political discourse, and social protest, to creatively informed considerations of argument practices that truly disturb the boundaries of what we consider argument.

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