Cognitive Neuroscience of Language

By David Kemmerer

Cognitive Neuroscience of Language By David Kemmerer

Language is one of our most precious and uniquely human capacities, so it is not surprising that research on its neural substrates has been advancing quite rapidly in recent years. Until now, however, there has not been a single introductory textbook that focuses specifically on this topic.

Cognitive Neuroscience of Language fills that gap by providing an up-to-date, wide-ranging, and pedagogically practical survey of the most important developments in the field. It guides students through all of the major areas of investigation, beginning with fundamental aspects of brain structure and function, and then proceeding to cover aphasia syndromes, the perception and production of speech, the processing of language in written and signed modalities, the meanings of words, and the formulation and comprehension of complex expressions, including grammatically inflected words, complete sentences, and entire stories.

Drawing heavily on prominent theoretical models, the core chapters illustrate how such frameworks are supported, and sometimes challenged, by experiments employing diverse brain mapping techniques. Although much of the content is inherently challenging and intended primarily for graduate or upper-level undergraduate students, it requires no previous knowledge of either neuroscience or linguistics, defining technical terms and explaining important principles from both disciplines along the way.

Cognitive Neuroscience of Language

By David Kemmerer

Cognitive Neuroscience of Language By David Kemmerer

Language is one of our most precious and uniquely human capacities, so it is not surprising that research on its neural substrates has been advancing quite rapidly in recent years. Until now, however, there has not been a single introductory textbook that focuses specifically on this topic.

Cognitive Neuroscience of Language fills that gap by providing an up-to-date, wide-ranging, and pedagogically practical survey of the most important developments in the field. It guides students through all of the major areas of investigation, beginning with fundamental aspects of brain structure and function, and then proceeding to cover aphasia syndromes, the perception and production of speech, the processing of language in written and signed modalities, the meanings of words, and the formulation and comprehension of complex expressions, including grammatically inflected words, complete sentences, and entire stories.

Drawing heavily on prominent theoretical models, the core chapters illustrate how such frameworks are supported, and sometimes challenged, by experiments employing diverse brain mapping techniques. Although much of the content is inherently challenging and intended primarily for graduate or upper-level undergraduate students, it requires no previous knowledge of either neuroscience or linguistics, defining technical terms and explaining important principles from both disciplines along the way.

Cognitive Neuroscience of Language By David Kemmerer Bibliography
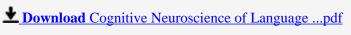
- Sales Rank: #401266 in Books
- Brand: imusti
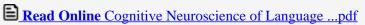- Published on: 2014-12-06
- Original language: English
- Number of items: 1
- Dimensions: 1.30" h x 7.90" w x 9.90" l, .0 pounds
- Binding: Paperback
- 622 pages

Editorial Review

Review

"A comprehensive, judicious, clear, and up-to-the-minute introduction to the fascinating study of the neural underpinnings of language."
– Steven Pinker, Harvard University, and author of The Language Instinct

"It's fantastic. Organization is great, coverage is impressive and it is highly readable. I'm impressed."
– Greg Hickok, Professor, Cognitive Sciences, University of California Irvine

"This is a very interesting new book on the Cognitive Neuroscience of Language. I recommend it for students and established researchers alike".
– Martin Pickering, Professor, Philosophy, Psychology and Language Sciences, the University of Edinburgh

"I am extremely impressed with the material that I have seen. It is engagingly written without being shallow or pandering too much. It covers difficult material clearly, and brings in experimental studies with a good frequency and describes them with an appropriate level of detail and with good use of figures. The material is impressively up-to-date given the broad coverage, and the author does a great job of describing debates that have not been resolved in an evenhanded way that will allow the material to stand the test of time longer."
– Ellen Lau, Assistant Professor, Linguistics, University of Maryland

"The chapters address critical issues in the field, while also providing an up-to-date review of current literature. The book strikes just the right balance between theory and application to keep students interested in the material. The author has done an excellent job of presenting research from different disciplines and integrating the patient and neuroimaging literature."
– Christopher M. Grindrod, Assistant Professor, Speech and Hearing Science, University of Illinois at Urbana-Champaign

"…provides a rich and detailed introduction to the cognitive neuroscience of language. It is beautifully written – difficult ideas and concepts are explained with great clarity. It is a unique contribution in many ways."
– Sheila E. Blumstein, Albert D. Mead Professor, Cognitive, Linguistic & Psychological Sciences, Brown University

"This is a wonderfully clear and informative book. It feels very cutting edge – up to the minute and also provides students with inspiration to dig further. I find this book to be a very welcome addition to what is currently out there on language and neuroscience and imagine it will become a core textbook in the area."
– Jodi Tommerdahl, Associate Professor, Curriculum and Instruction, University of Texas at Arlington

"Excellent – I read it much faster than I had anticipated I would – it was well written and you want to read more…. (at least that was my feeling – students might be a little less elated, but I still think it would be able to enthuse a good number of students)."
 – Filip T. Loncke, Associate Professor, Speech Pathology & Audiology, University of Virginia

"This textbook stands out in covering a wide breadth of topics while also providing adequate depth for students in my Introduction to Neurolinguistics course to engage with the ongoing debates and most recent

theoretical developments in the field."
– Jonathan Brennan, Assistant Professor, Linguistics, University of Michigan

"The material is impressive. The coverage is ambitious and representative of the state of the field. The chapters are well organized and present the material clearly and with an engaging tone."
– Eva Fernández, Associate Professor, Linguistics & Communication Disorders, Queens College and Graduate Center, City University of New York

"This is an excellent, research-based and evidence-based textbook for Cognitive Neuroscience of Language."
– Li Hsieh, Associate Professor, Communication Sciences & Disorders, Wayne State University

"A big pro is that this book does not assume much background in either linguistics or cognitive science. I like it that most chapters start with a discussion of different theoretical viewpoints, and then discuss evidence pro and con using data from a wide range of cognitive neuroscience studies ."
– Edith Kaan, Associate Professor, Department of Linguistics, University of Florida

"As a linguist with background but not expertise in psychology, I find the material immensely valuable. Mostly because it presents an overview of lots of research in cognitive neuroscience and filters that research in an understandable way so that the big picture can be perceived. And it relates the cognitive neuroscience research directly to linguistics in a way that does justice to both fields. It is admirable that the author has such command over two very different fields."
– Nancy Hedberg, Professor, Linguistics, Simon Fraser University

"Definitely comprehensive, and careful about framing current debates in a literature that is in many places not very mature. I think that Kemmerer's expertise as a linguist and as a cognitive neuro-scientist really shine through making this a valuable text that is informed by broad and deep understanding."
– Laura Kertz, Assistant Professor, Cognitive, Linguistic & Psychological Sciences, Brown University

"David Kemmerer's *Cognitive Neuroscien of Language* is a superb textbook on the relation between language and the human brain ... but it will, I suspect, also become the standard work for all those researchers who wish to have a masterly overview–both broad and deep–of aphasia and neurolinguistics to frame the focus of their own research."

– Michael A. Arbib, PsyCRITIQUES, 2015

About the Author

David Kemmerer is a professor with a joint appointment in the Department of Speech, Language, and Hearing Sciences and the Department of Psychological Sciences at Purdue University. He is also an affiliate of the Interdepartmental Linguistics Program at Purdue. In addition, he has an adjunct appointment in the Division of Behavioral Neurology and Cognitive Neuroscience at the University of Iowa, where he worked as a postdoctoral fellow before becoming a faculty member at Purdue. He has taught courses on the neural bases of speech and language, the broader field of cognitive neuroscience, and diverse topics in linguistics. Professor Kemmerer's research focuses on how different kinds of linguistic meaning are mediated by different neural systems, drawing on behavioral and lesion data from brain-damaged patients as well as behavioral, electrophysiological, and functional neuroimaging data from healthy subjects. He has published over 40 journal articles and book chapters describing various aspects of his research.

Users Review

From reader reviews:

Richard Martinez:

In other case, little persons like to read book Cognitive Neuroscience of Language. You can choose the best book if you'd prefer reading a book. So long as we know about how is important a new book Cognitive Neuroscience of Language. You can add understanding and of course you can around the world by way of a book. Absolutely right, because from book you can realize everything! From your country until finally foreign or abroad you may be known. About simple issue until wonderful thing you are able to know that. In this era, we are able to open a book or searching by internet device. It is called e-book. You can use it when you feel uninterested to go to the library. Let's learn.

Victor Green:

People live in this new day of lifestyle always try to and must have the time or they will get great deal of stress from both day to day life and work. So , if we ask do people have extra time, we will say absolutely of course. People is human not really a robot. Then we ask again, what kind of activity are there when the spare time coming to a person of course your answer can unlimited right. Then do you ever try this one, reading publications. It can be your alternative with spending your spare time, the particular book you have read is actually Cognitive Neuroscience of Language.

Rodney Natale:

This Cognitive Neuroscience of Language is great e-book for you because the content that is certainly full of information for you who else always deal with world and still have to make decision every minute. This book reveal it facts accurately using great coordinate word or we can say no rambling sentences included. So if you are read it hurriedly you can have whole info in it. Doesn't mean it only will give you straight forward sentences but tricky core information with wonderful delivering sentences. Having Cognitive Neuroscience of Language in your hand like finding the world in your arm, data in it is not ridiculous a single. We can say that no guide that offer you world inside ten or fifteen small right but this reserve already do that. So , this is certainly good reading book. Heya Mr. and Mrs. occupied do you still doubt which?

Clark Abeyta:

In this period globalization it is important to someone to get information. The information will make you to definitely understand the condition of the world. The condition of the world makes the information simpler to share. You can find a lot of referrals to get information example: internet, paper, book, and soon. You can see that now, a lot of publisher that print many kinds of book. Often the book that recommended to your account is Cognitive Neuroscience of Language this reserve consist a lot of the information from the condition of this world now. This specific book was represented how can the world has grown up. The dialect styles that writer require to explain it is easy to understand. Often the writer made some investigation when he makes this book. Here is why this book suited all of you.

Download and Read Online Cognitive Neuroscience of Language By David Kemmerer #R0FSD2KA15U

Read Cognitive Neuroscience of Language By David Kemmerer for online ebook

Cognitive Neuroscience of Language By David Kemmerer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Cognitive Neuroscience of Language By David Kemmerer books to read online.

Online Cognitive Neuroscience of Language By David Kemmerer ebook PDF download

Cognitive Neuroscience of Language By David Kemmerer Doc

Cognitive Neuroscience of Language By David Kemmerer Mobipocket

Cognitive Neuroscience of Language By David Kemmerer EPub