
Cognitive Processing In Bilinguals

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Cognitive Processing In Bilinguals

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MORENO LONG

Bilingualism and cognitive control
 Cambridge University Press
 This work has a uniquely cognitive-functional perspective on bi-lingualism. This means that it makes a clear distinction between real world and projected world. Information conveyed by language must be about the projected world. Both the experimental results and the systematic claims in this volume call for a weak form of whorfianism. The authors examine too some relatively unexplored issues of bilingualism, such as, among others, gender systems in the bilingual mind, synergic concepts, and ontological categorization.

Bilingualism and Cognition John

Benjamins Publishing Company
 The study of bilingualism has charted a dramatically new, important, and exciting course in the 21st century, benefiting from the integration in cognitive science of theoretical linguistics, psycholinguistics, and cognitive psychology (especially work on the higher-level cognitive processes often called executive function or executive control). Current research, as exemplified in this book, advances the study of the effects of bilingualism on executive function by identifying many different ways of being bilingual, exploring the multiple facets of executive function, and developing and analyzing tasks that measure executive function. The papers in this volume (21 chapters), by leading researchers in bilingualism and cognition, investigate the mechanisms underlying the effects (or lack thereof) of bilingualism

on cognition in children, adults, and the elderly. They take us beyond the standard, classical, black-and-white approach to the interplay between bilingualism and cognition by presenting new methods, new findings, and new interpretations. *Memory, Language, and Bilingualism* Georgetown University Press
 A bilingual person, in a broad definition, is one who can communicate in more than one language, be it actively (through speaking, writing, and/or signing) or passively (through listening, reading, and/or perceiving). More specifically, the terms bilingual and trilingual are used to describe comparable situations in which two or three languages are involved. A generic term for multilingual persons is polyglot. Multilingual speakers have acquired and maintained at least one language during childhood, the so-called

first language. The first language (sometimes also referred to as the mother tongue). This new book gathers the latest research from around the globe in this field.

Psychology of Bilingualism Routledge
For decades, bilingualism has resisted definition. If bilingualism is defined as habitual, fluent, correct and accent-free use of two languages, few individuals would qualify as bilinguals. A more viable approach may be to concede that 'bilingual' can be seen instead as a range of points on a continuum that allows for differences. The psychological study of bilingualism encompasses a wide range of phenomena including the organization and representation of the grammar, the perception and production of language mixing, cerebral lateralization of language functions, and patterns of recovery of aphasic patients. This book collects together an international array of researchers in experimental psychology, linguistics and neuropsychology, who bring their expertise to bear on the critical issues that are raised by the bilingual phenomena.

Multilingual Cognition and Language Use

Walter de Gruyter GmbH & Co KG
Set in the context of bilingualism in Maori and English, this chapter discusses the interpretation of novel English compounds as right or left-headed. The aim is to report evidence of structural transfer in bilinguals on the level of word formation. In accordance with Grosjean (2012), this study provides evidence for structural transfer when bilinguals act in a monolingual mode. The occurrence of transfer in monolingual situations is also further empirical proof for claims that the languages of a bilingual are constantly activated in a speaker's mind (Kecskes 2006). Maori-English bilinguals sh.

Cognitive Processing in Bilinguals

Springer

A comprehensive and interdisciplinary approach to the study of memory, language and cognitive processing across various populations of bilingual speakers. Cognitive Individual Differences in Second Language Processing and Acquisition

Oxford University Press

Bilingualism is a ubiquitous global phenomenon. Beyond being a language experience, bilingualism also entails a social experience, and it interacts with development and learning, with cognitive and neural consequences across the lifespan. The authors of this volume are world renowned experts across several subdisciplines including linguistics, developmental psychology, and cognitive neuroscience. They bring to light

bilingualism's cognitive, developmental, and neural consequences in children, young adults, and older adults. This book honors Ellen Bialystok, and highlights her profound impact on the field of bilingualism research as a lifelong experience. The chapters are organized into four sections: The first section explores the complexity of the bilingual experience beyond the common characterization of "speaking multiple languages." The next section showcases Ellen Bialystok's earlier impact on psychology and education; here the contributors answer the question "how does being bilingual shape children's development?" The third section explores cognitive and neuroscientific theories describing how language experience modulates cognition, behavior, and brain structures and functions. The final section shifts the focus to the impact of bilingualism on healthy and abnormal aging and asks whether being bilingual can stave off the effects of dementia by conferring a "cognitive reserve."

Cognitive Processing in Bilinguals

Cambridge University Press

This book fills a critical gap in the cross-cultural literature by illuminating the bilingual experience in both its social and clinical contexts. Rafael Javier makes a convincing, empirically founded case for what he terms the bilingual mind, with its own particular approach to cognition, memory, and emotional and social development. Using this framework, he provides answers to important questions about the way bilingualism affects cognition and development.

Language Processing in Bilingual Children

Elsevier

How does a human acquire, comprehend, produce and control multiple languages with just the power of one mind? What are the cognitive consequences of being a bilingual? These are just a few of the intriguing questions at the core of studying bilingualism from psycholinguistic and neurocognitive perspectives. Bringing together some of the world's leading experts in bilingualism, cognitive psychology and language acquisition, *The Cambridge Handbook of Bilingual Processing* explores these questions by presenting a clear overview of current theories and findings in bilingual processing. This comprehensive handbook is organized around overarching thematic areas including theories and methodologies, acquisition and development, comprehension and representation, production, control, and the cognitive consequences of bilingualism. The handbook serves as an

informative overview for researchers interested in cognitive bilingualism and the logic of theoretical and experimental approaches to language science. It also functions as an instrumental source of readings for anyone interested in bilingual processing.

Language Processing in Bilinguals (RLE Linguistics C: Applied Linguistics)

Frontiers Media SA

The collected essays in this volume present an overview and state-of-the-field of traditional and recently developed methodological approaches to the study of bilingual reading comprehension. It critically reviews and examines major findings from classical behavioral approaches such as the visual moving window, rapid-serial visual presentation (RSVP), and eye-tracking, as well as newly developing neuropsycholinguistic methodologies such as Event-Related Potentials (ERPs), and Functional Magnetic Resonance Imaging (fMRI). Written to address a timely topic, *Methods in Bilingual Reading Comprehension Research* updates the field of bilingual reading by critically examining the contributions of the various behavioral and technologically-based reading techniques used to understand psychological processes underlying written language comprehension. Each topic is covered first from a theoretical, and then from an experimental, viewpoint. Moreover, the volume contributes to the development and establishment of Bilingual Reading as a subfield of bilingual sentence processing and fills a significant gap in the literature on bilingual language processing and thought. Significantly, *Methods in Bilingual Reading Comprehension Research* presents an overall view of some of the typical psycholinguistic techniques and approaches, as well as proposing other possible tasks that may prove viable in investigating such theoretical issues as bilingual lexical ambiguity resolution, or how bilingual speakers might resolve multiple sources of potentially conflicting information as they comprehend sentences and discourse during the communicative process. In addition, to aid reader comprehension and encourage readers to acquire "hands on" experience in the creation and development of experiments in the realm of bilingual reading research, each chapter includes a list of key words, suggested student research projects, and questions to both help the reader review the chapter and expand upon the reading. With its comprehensive coverage of a crucial subfield of psycholinguistics and language processing, *Methods in Bilingual Reading*

Comprehension Research is an invaluable and informative resource for all students and researchers in bilingualism, neurolinguistics, bilingual cognition, and other related fields.

Bilingualism and Cognitive Control

John Wiley & Sons

'Fascinating. . . This engaging book explores just how multiple languages are acquired and sorted out by the brain. . . Costa's work derives from a great fund of knowledge, considerable curiosity and solidly scientific spirit' Philip Hensher Spectator The definitive study of bilingualism and the human brain from a leading neuropsychologist Over half of the world's population is bilingual and yet few of us understand how this extraordinary, complex ability really works. How do two languages co-exist in the same brain? What are the advantages and challenges of being bilingual? How do we learn - and forget - a language? In the first study of its kind, leading expert Albert Costa shares twenty years of experience to explore the science of language. Looking at studies and examples from Canada to France to South Korea, *The Bilingual Brain* investigates the significant impact of bilingualism on daily life from infancy to old age. It reveals, among other things, how babies differentiate between two languages just hours after birth, how accent affects the way in which we perceive others and even why bilinguals are better at conflict resolution. Drawing on cutting-edge neuro-linguistic research from his own laboratory in Barcelona as well from centres across the world, and his own bilingual family, Costa offers an absorbing examination of the intricacies and impact of an extraordinary skill. Highly engaging and hugely informative, *The Bilingual Brain* leaves us all with a sense of wonder at how language works. Translated by John W. Schwieter

The Psycholinguistics of Bilingualism John Benjamins Publishing Company

The study of bilingualism and all of its aspects - from theory and models to social approaches and their practical applications - forms the cornerstone of the 2nd edition of this work. The chapters cover the latest advancements in the domains of psycholinguistics, neuroscience, creativity, and executive functioning. Contributions, new to this edition, offer the reader the most up-to-date research on lifespan and developmental issues. The work also provides insight into how human language is processed by all, not just by bilingual and multilingual speakers. This text is ideal for senior undergraduate and graduate courses in psycholinguistics and

the psychology of language, especially those with an emphasis on bilingualism or second language learning.

The Cambridge Handbook of Bilingual Processing

Cambridge University Press Multilingual classrooms and online communication are becoming increasingly linguistically diverse due to globalization and new discourse patterns are emerging. Many of these patterns include the use of linguistic resources from multiple languages in the same utterance. Translanguaging, a recent theoretical framework, is gaining prominence among scholars interested in studying these multilingual discursive practices and the concept of a unitary language system for lexical processing. The aim of this book is to gain a better understanding of the bilingual brain and how words and sentences that use features from socially distinct languages are processed. Using examples provided by multilingual study participants, a categorization of the various forms of translanguaging is developed to build a translanguaging model. Psycholinguistic methods such as eye tracking are combined with conventional sociolinguistic survey methodology to provide rich qualitative and quantitative data that address the cognitive effects of translanguaging and the underlying structure of translingual word-formations. This monograph shows how language biography, exposure, and attitude towards multilingual discursive practices all affect cognitive processing. It also demonstrates how multilingual speakers are setting the patterns for novel word-formations to be produced, thus having a social, cultural, and cognitive impact on how we communicate.

Methods in Bilingual Reading

Comprehension Research John Benjamins Publishing Company

Arturo Hernandez presents the results of 25 years of research into the factors that might help us to understand how two (or more) languages are stored in one brain. It is clear that the brain is not egalitarian—some languages are privileged and others are not, but why?

Bilingualism in Development

Springer A collection of papers that explore bilingual children coping with two language systems.

Understanding Variability in Second Language Acquisition, Bilingualism, and Cognition Springer Science & Business Media

This book offers a broad-based account of bilingual processing, drawing on research findings and current thinking from various domains across cognitive science. The theoretical approach adopted is the

Modular Cognition Framework in which language processing is characterized as an interaction between dedicated linguistic systems and the other modules of the human mind. The latter provide the 'internal context' of bilingual processing. This internal context involves goals, value, emotion, self, and representations of the external context. The book combines all these elements into a coherent picture of the bilingual's internal context and the way it shapes processing. It then shows how some central concepts in cognitive science and bilingualism fit in with - and follow from - this view. These concepts include working memory, consciousness, attention, effort, codeswitching, and the possible cognitive benefits of being bilingual. The book should be of interest to professionals in the field as well as postgraduate students and advanced undergraduates.

Cognitive Aspects of Bilingualism

Psychology Press

This volume is the outcome of 25 years of research into the neurolinguistic aspects of bilingualism. In addition to reviewing the world literature and providing a state-of-the-art account, including a critical assessment of the bilingual neuroimaging studies, it proposes a set of hypotheses about the representation, organization and processing of two or more languages in one brain. It investigates the impact of the various manners of acquisition and use of each language on the extent of involvement of basic cerebral functional mechanisms. The effects of pathology as a means to understanding the normal functioning of verbal communication processes in the bilingual and multilingual brain are explored and compared with data from neuroimaging studies. In addition to its obvious research benefits, the clinical and social reasons for assessment of bilingual aphasia with a measuring instrument that is linguistically and culturally equivalent in each of a patient's languages are stressed. The relationship between language and thought in bilinguals is examined in the light of evidence from pathology. The proposed linguistic theory of bilingualism integrates a neurofunctional model (the components of verbal communication and their relationships: implicit linguistic competence, metalinguistic knowledge, pragmatics, and motivation) and a set of hypotheses about language processing (neurofunctional modularity, the activation threshold, the language/cognition distinction, and the direct access hypothesis).

Cognitive Processing in Second

Language Acquisition Nova Biomedical

Books

This book pioneers the study of bilingualism across the lifespan and in all its diverse forms. In framing the newest research within a lifespan perspective, the editors highlight the importance of considering an individual's age in researching how bilingualism affects language acquisition and cognitive development. A key theme is the variability among bilinguals, which may be due to a host of individual and sociocultural factors, including the degree to which bilingualism is valued within a particular context. Thus, this book is a call for language researchers, psychologists, and educators to pursue a better understanding of bilingualism in our increasingly global society.

An Introduction to Bilingualism Psychology Press

This collection brings together linguistic, psychological, and sociological perspectives reflecting on the relationships and interactions of the multilayered factors impacting second language development and cognitive competence. The book advocates a system approach as a counterpoint to existing scholarship, which has tended to focus on a small set of variables. The 13

chapters demonstrate the ways in which cognitive and linguistic development are intrinsically linked, occurring within a nested structure of multiple levels: individual neuro-cognitive systems and processes, individual engagement with the social world, and the wider social and institutional environments and cultural contexts affecting the belief systems and linguistic conventions of social groups. The volume begins by outlining the theoretical and methodological foundations before moving into a more focused look at the interplay of these different variables at the macro, meso, and micro levels. A final section features two commentary chapters from linguistics and psychology, respectively, synthesizing insights from earlier chapters and situating the collection within broader scholarship on linguistic and cognitive development, theoretical and methodological implications, and discussions of avenues for future empirical research. This book will be of particular interest to scholars in second language acquisition, psycholinguistics, cognition, psychology, and sociology.

Memory, Language, and Bilingualism
Frontiers E-books

The human mind is a marvelous device that effectively regulates mental activities and facilitates amendable cognitive behaviour across several domains such as attention, memory, and language processing. For multilinguals, the mind also represents and manages more than one language system—a mental exercise which may lead to cognitive benefits. Through an in-depth exploration of these issues, *Cognitive Control and Consequences of Multilingualism* presents original studies and new perspectives which are cutting-edge and feature traditional and innovative methodologies such as ERPs, fMRIs, eye-tracking, picture- and numeral naming, the Simon, flanker, and oculomotor Stroop tasks, among others. The studies in this book investigate prominent themes in multilingual language control for both comprehension and production and probe the notion of a cognitive advantage that may be a result of multilingualism. The growing number of researchers, practitioners, and students alike will find this volume to be an instrumental source of readings that illuminates how one mind accommodates and controls multiple languages and the consequences it has on human cognition in general.

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