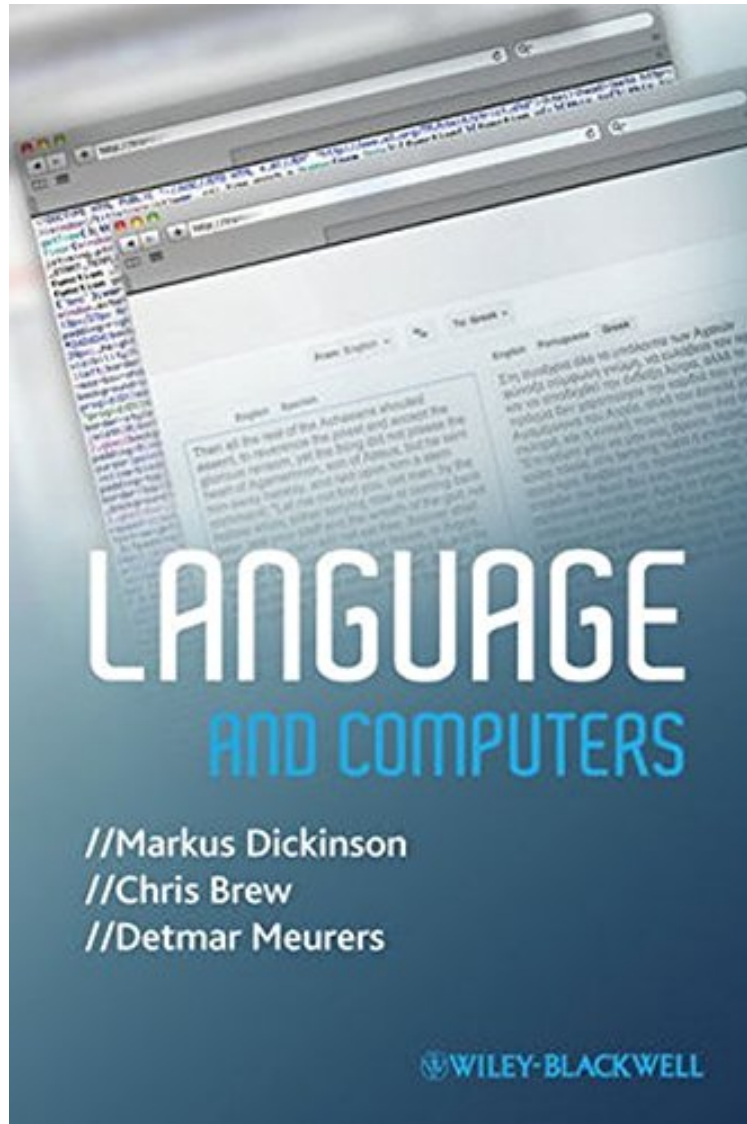


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Language and Computers

Markus Dickinson, Chris Brew, Detmar Meurers
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Markus Dickinson, Chris Brew, Detmar Meurers : Language and Computers before purchasing it in order to gage whether or not it would be worth my time, and all praised Language and Computers:

0 of 1 people found the following review helpful. Five StarsBy PatriciaIt was exactly the book I needed for my class in School.5 of 5 people found the following review helpful. Very engagingBy RozzerI am not in the computational linguistics field but was loaned the book by a friend. Expected to simply glance through it, but ended up reading it cover to cover. The content is engagingly consumable by the lay reader who has a smattering of knowledge about

language, mathematics and/or computer software. I especially enjoyed the anecdotal stories that enriched the technical (but not too technical!) descriptions and explanations. As a regular user of online search engines and occasional participant in computerized phone 'dialogues', I enjoyed learning the behind-the-scenes workings of these amazing and extremely useful technologies - which are continually improving in their application and helpfulness.

Language and Computers introduces students to the fundamentals of how computers are used to represent, process, and organize textual and spoken information. Concepts are grounded in real-world examples familiar to students' experiences of using language and computers in everyday life. A real-world introduction to the fundamentals of how computers process language, written specifically for the undergraduate audience, introducing key concepts from computational linguistics. Offers a comprehensive explanation of the problems computers face in handling natural language. Covers a broad spectrum of language-related applications and issues, including major computer applications involving natural language and the social and ethical implications of these new developments. The book focuses on real-world examples with which students can identify, using these to explore the technology and how it works. Features under-the-hood sections that give greater detail on selected advanced topics, rendering the book appropriate for more advanced courses, or for independent study by the motivated reader.

a broad introduction is also needed by Bachelors students in linguistics, and by those studying to become language consultants, translators, and so on. This book would then be the natural choice. (Computational Linguistics, 2013) In general, I can certainly recommend Language and Computers as a broad introduction to language technology aimed at the general audience and at students who are curious about modern language technology. (Mach Translat, 1 March 2013) From the Back Cover The widening use of computers has powerfully influenced the way people communicate, search and store information. For the majority of individuals and situations, the primary vehicle for such information is natural language, and text and speech are crucial encoding formats for the information revolution. This book introduces students to the fundamentals of how computers are used to represent, process, and organize textual and spoken information. It allows students to effectively understand how the computer works and where the problems arise with the involvement of natural language. Self-contained chapters cover the central analytical concepts and provide students with tips on how to effectively integrate this knowledge into their working practice. The authors ground the concepts and analyses covered in the text in real-world examples familiar to students. Drawing on these examples, the authors teach students how to produce evidence-based analyses and arguments about language. The result is a book that teaches students to generate, justify and argue for valid conclusions about the design, capabilities and behavior of natural language systems. About the Author Markus Dickinson is Assistant Professor at the Department of Linguistics, Indiana University and currently the director of the Computational Linguistics program. His research focuses on improving linguistic annotation for natural language processing technology and automatically analyzing the language of second language learners. Chris Brew is a Senior Research Scientist with the Educational Testing Service in Princeton, where he is currently the scientific lead for the c-rater project on automated short answer grading. He has been active in Natural Language Processing for over 20 years, first in the UK, then as Associate Professor of Linguistics and Computer Science at The Ohio State University, where he co-directed the Speech and Language Technologies Laboratory, as well as the Computational Linguistics Program. Detmar Meurers is Professor of Computational Linguistics and head of the Theoretical Computational Linguistics group at the University of Tbingen. He has a longstanding commitment to teaching Computational Linguistics and Linguistics in a way that combines current technology and research issues with the fundamentals of the field. His research emphasizes the role of linguistic insight and linguistic models in Computational Linguistics. His most recent research adds a focus on theory and applications related to second language acquisition.