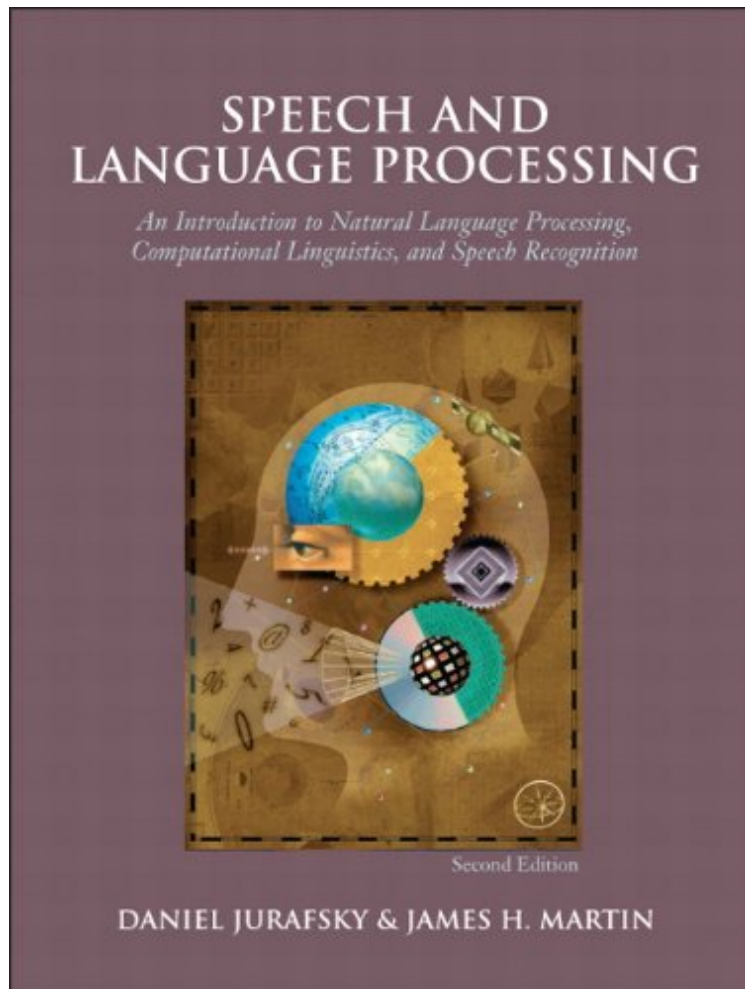


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review helpful. Broadest coverage with enough direction for further study
By Emre Sevinç
This is one of the books that I consider as a starting point / reference whenever I need to deal with a practical natural language processing (NLP) problem. I also have Natural Language Processing with Python on my shelf and it's wonderful in terms of providing a practical start for nearly any NLP problem but when the need arises to cover more ground both in terms of theory and practical pitfalls then Jurafsky Martin is my guide. Natural language processing is a fast-moving target and it is impossible to know about the latest developments in the field without reading recent academic articles so nobody should expect to get the same information from this book, however mastering the concepts and algorithms in the book will provide the reader with the necessary background to understand state-of-the-art in NLP. Most of the exercises are very interesting but I wish they had some kind of difficulty level indicated next to them. Another criticism would be that more information on practical implementation details of the algorithms could have been given but I believe these minor criticisms does not lead to a four star rating. It is a very difficult project to give a comprehensive overview of the whole NLP field and Jurafsky Martin achieved that.

For undergraduate or advanced undergraduate courses in Classical Natural Language Processing, Statistical Natural Language Processing, Speech Recognition, Computational Linguistics, and Human Language Processing. An explosion of Web-based language techniques, merging of distinct fields, availability of phone-based dialogue systems, and much more make this an exciting time in speech and language processing. The first of its kind to thoroughly cover language technology at all levels and with all modern technologies this text takes an empirical approach to the subject, based on applying statistical and other machine-learning algorithms to large corporations. The authors cover areas that traditionally are taught in different courses, to describe a unified vision of speech and language processing. Emphasis is on practical applications and scientific evaluation. An accompanying Website contains teaching materials for instructors, with pointers to language processing resources on the Web. The Second Edition offers a significant amount of new and extended material. Supplements: Click on the "Resources" tab to View Downloadable Files: Solutions

About the Author Dan Jurafsky is an associate professor in the Department of Linguistics, and by courtesy in Department of Computer Science, at Stanford University. Previously, he was on the faculty of the University of Colorado, Boulder, in the Linguistics and Computer Science departments and the Institute of Cognitive Science. He was born in Yonkers, New York, and received a B.A. in Linguistics in 1983 and a Ph.D. in Computer Science in 1992, both from the University of California at Berkeley. He received the National Science Foundation CAREER award in 1998 and the MacArthur Fellowship in 2002. He has published over 90 papers on a wide range of topics in speech and language processing. James H. Martin is a professor in the Department of Computer Science and in the Department of Linguistics, and a fellow in the Institute of Cognitive Science at the University of Colorado at Boulder. He was born in New York City, received a B.S. in Computer Science from Columbia University in 1981 and a Ph.D. in Computer Science from the University of California at Berkeley in 1988. He has authored over 70 publications in computer science including the book A Computational Model of Metaphor Interpretation.