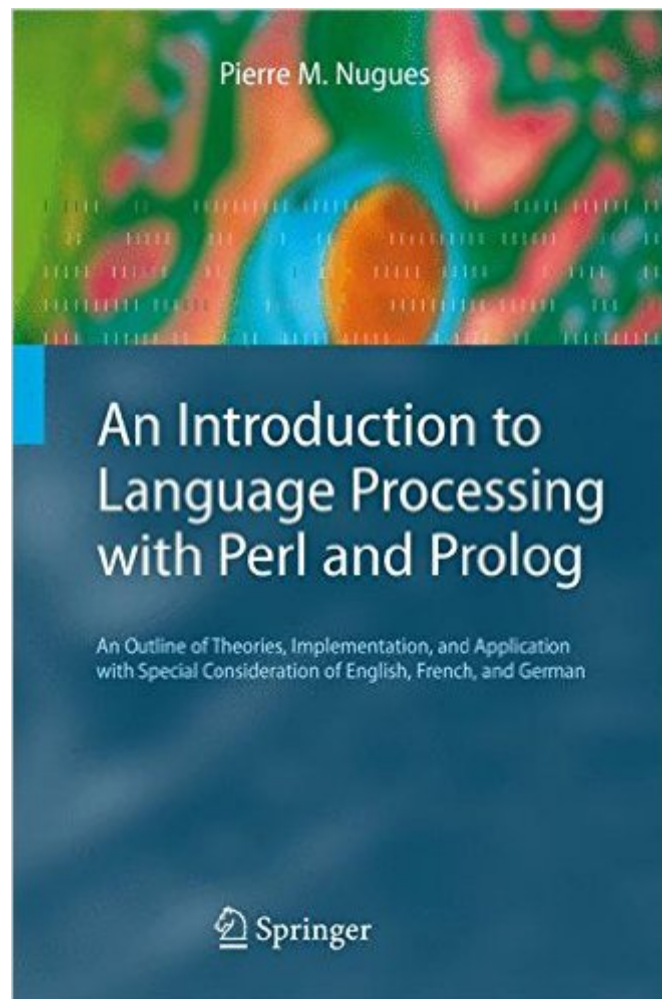# An Introduction To Language Processing With Perl And Prolog: An Outline Of Theories, Implementation, And Application With Special Consideration Of English, French, And German (Cognitive Technologies)

Pierre M. Nugues

An Introduction to Language Processing with Perl and Prolog

An Outline of Theories, Implementation, and Application with Special Consideration of English, French, and German

Springer

Synopsis

This book teaches the principles of natural language processing and covers linguistics issues. It also details the language-processing functions involved, including part-of-speech tagging using rules and stochastic techniques. A key feature of the book is the author's hands-on approach throughout, with extensive exercises, sample code in Prolog and Perl, and a detailed introduction to Prolog. The book is suitable for researchers and students of natural language processing and computational linguistics.

Book Information

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Customer Reviews

This book has the same scope as Speech and Language Processing (2nd Edition) (Prentice Hall Series in Artificial Intelligence), but that book flies too high over the details. This book does a good job of covering the details without getting lost in them. The author takes the approach of explaining a concept first with excellent illustrations, then explains the algorithm that implements the concept, then shows detailed code in either Prolog or PERL.This is not to say you can pick up this book without the proper background and get much out of it. Language processing is a field requiring a good background in a number of fields including the theory of computation, linguistics, artificial intelligence, and information theory to name a few. You should be familiar with all of these fields before tackling the book, although the author does introduce these topics somewhat before digging into details.One thing the author does not do much of is explain Prolog or PERL. He assumes you

already know these languages, although there is an appendix at the back of the book covering Prolog. Prolog is a difficult language to learn and is not at all intuitive. However, it is an excellent choice for coding up many algorithms concerning artificial intelligence. Thus, although I do not argue with the author's choice of language, I do recommend that you become fluent in Prolog before you read this book.I used to recommend Jurafsky and Martin for people starting out learning language processing, but now I think I can recommend this book for not only the big picture but the details of this interesting field as well.

This is a wonderful, code rich, book on language processing for computational linguists and language engineers. It is both theory and example rich with considerable detail throughout. The book is clearly written and very well structured!!Highly recommended!

Subject matter, depth and breadth are just right. I work in both Perl and Prolog. Author's command of English is not perfect, but tolerable.

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