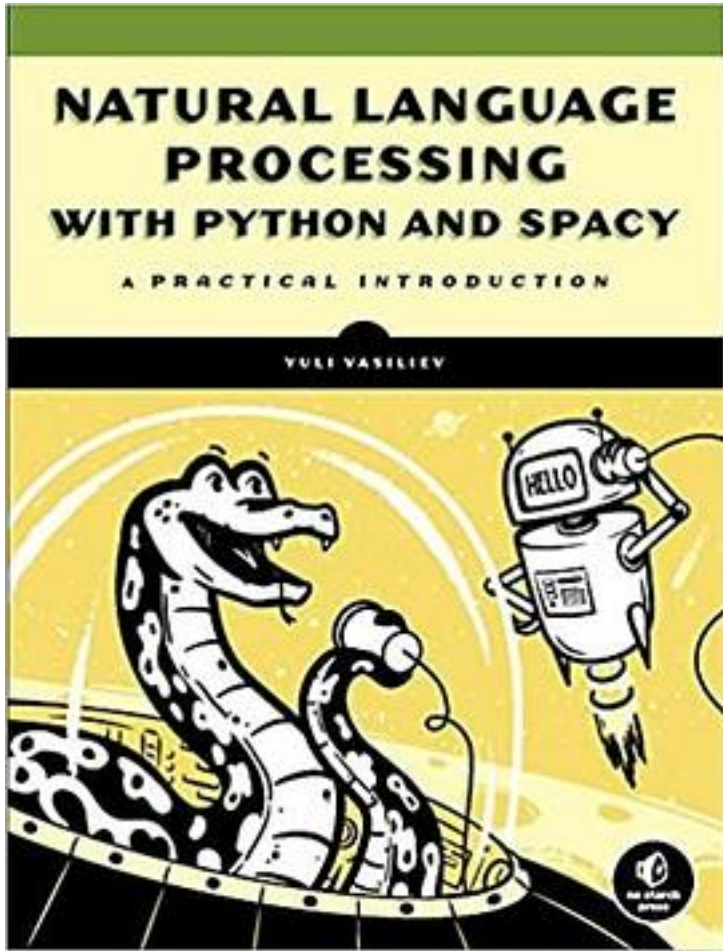


Natural Language Processing with Python and spaCy



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著者:Yuli Vasiliev

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An introduction to natural language processing with Python using spaCy, a leading

Python natural language processing library.

Natural Language Processing with Python and spaCy will show you how to create NLP applications like chatbots, text-condensing scripts, and order-processing tools quickly and easily. You'll learn how to leverage the spaCy library to extract meaning from text intelligently; how to determine the relationships between words in a sentence (syntactic dependency parsing); identify nouns, verbs, and other parts of speech (part-of-speech tagging); and sort proper nouns into categories like people, organizations, and locations (named entity recognizing). You'll even learn how to transform statements into questions to keep a conversation going.

You'll also learn how to:

- Work with word vectors to mathematically find words with similar meanings (Chapter 5)
- Identify patterns within data using spaCy's built-in displaCy visualizer (Chapter 7)
- Automatically extract keywords from user input and store them in a relational database (Chapter 9)
- Deploy a chatbot app to interact with users over the internet (Chapter 11)

"Try This" sections in each chapter encourage you to practice what you've learned by expanding the book's example scripts to handle a wider range of inputs, add error handling, and build professional-quality applications.

By the end of the book, you'll be creating your own NLP applications with Python

作者介绍:

Yuli Vasiliev is a programmer, freelance author, and consultant with more than two decades of experience. He began as a developer of database-driven applications, using Oracle database technology. The need for data analysis led him eventually to the field of ML and AI.

His present professional interests are in the area of natural language processing (NLP). He runs @pic2phrase_bot in Telegram, where everyone can see an illustration of how the Computer Vision and NLP technologies can be efficiently used together.

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