Springer

2020. X, 265 p. 32 illus., 9 illus. in color.

Printed book
Hardcover
€ 119,99 | £ 109,99 | $ 149.99
[1] € (D) 128,39 | € (A) 131,99 |
CHF 141.50

eBook
€ 89,99 | £ 87,50 | $ 109.00
[2] € (D) 96,29 | € (A) 96,29 |
CHF 113.00
Available from your library or
springer.com/shop

MyCopy [3]
Printed eBook for just
€ | $ 24.99
springer.com/mycopy

Lifelong 40% discount for authors

(!) **Special offer / Get 20% off the printed book or eBook!**

Use the following token on Springer.com
BKt7FKP2eZnczsT / Valid Apr 20, 2020 – May 18, 2020

J. M. Gomez-Perez, R. Denaux, A. Garcia-Silva

A Practical Guide to Hybrid Natural Language Processing

Combining Neural Models and Knowledge Graphs for NLP

- **Provides readers with a practical guide to hybrid approaches to natural language processing involving a combination of neural methods and knowledge graphs**
- **Includes a comprehensive set of experiments and exercises to illustrate the ideas described**
- **All the examples and exercises proposed in the book are available as executable Jupyter notebooks in a GitHub repository**

This book provides readers with a practical guide to the principles of hybrid approaches to natural language processing (NLP) involving a combination of neural methods and knowledge graphs. To this end, it first introduces the main building blocks and then describes how they can be integrated to support the effective implementation of real-world NLP applications. To illustrate the ideas described, the book also includes a comprehensive set of experiments and exercises involving different algorithms over a selection of domains and corpora in various NLP tasks. Throughout, the authors show how to leverage complementary representations stemming from the analysis of unstructured text corpora as well as the entities and relations described explicitly in a knowledge graph, how to integrate such representations, and how to use the resulting features to effectively solve NLP tasks in a range of domains. In addition, the book offers access to executable code with examples, exercises and real-world applications in key domains, like disinformation analysis and machine reading comprehension of scientific literature. All the examples and exercises proposed in the book are available as executable Jupyter notebooks in a [...]

Part of **SPRINGER NATURE**