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Nota di contenuto	Foundations of Natural Language Processing -- Navigating the Data Landscape for Natural Language Processing -- Fundamental Text Processing -- Linguistic Features in Natural Language Processing -- Computational and Cognitive Approaches in Natural Language Processing -- Fundamental Language Processing Techniques -- Natural Language Processing for Affective, Psychological and Content Analysis -- Multilingual Natural Language Processing -- Domain-specific Natural Language Processing -- Measuring Success in Natural Language Processing Evaluation and Metrics -- Appendix A: Advanced Text Representation Techniques: A Unified Overview -- Appendix B: Step-by-Step Guide to NLP Processing on E-commerce Customer Feedback -- Appendix C: Harnessing Python Libraries for NLP.
Sommario/riassunto	"This book provides an in-depth exploration of the latest advancements in NLP, offering a unique blend of theoretical foundations, practical applications, and future directions. Comprised of 10 chapters, this book starts with an introduction on the history of NLP, discussing the approaches and its transformative impact on business

and society before delving into data management and the challenges that arise. The author discusses computational and cognitive approaches in NLP, including how machine learning, memory models, attention mechanisms, and reasoning contribute to the field's advancement, alongside insights into transfer learning and the cutting-edge neuro-symbolic approaches. Practical applications and advanced processing techniques are explored, ranging from affective, psychological, and content analysis to multilingual processing and domain-specific applications in sectors like healthcare, legal, finance, and education, showcasing the versatile and extensive impact of NLP technologies. Aimed at professionals and graduate students, its comprehensive coverage of both fundamental concepts and advanced topics in NLP makes it suitable for readers who have a foundational understanding of computer science, linguistics, and artificial intelligence and are looking to delve deeper into the intricacies of NLP"

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