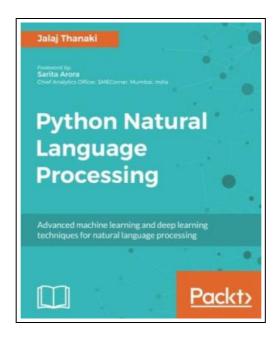# Python Natural Language Processing (Paperback)

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Reviews

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PYTHON NATURAL LANGUAGE PROCESSING (PAPERBACK)

Packt Publishing Limited, United Kingdom, 2017. Paperback. Condition: New. Language: English. Brand new Book. Leverage the power of machine learning and deep learning to extract information from text dataAbout This Book* Implement Machine Learning and Deep Learning techniques for efficient natural language processing* Get started with NLTK and implement NLP in your applications with ease* Understand and interpret human languages with the power of text analysis via PythonWho This Book Is ForThis book is intended for Python developers who wish to start with natural language processing and want to make their applications smarter by implementing NLP in them.What You Will Learn* Focus on Python programming paradigms, which are used to develop NLP applications* Understand corpus analysis and different types of data attribute.* Learn NLP using Python libraries such as NLTK, Polyglot, SpaCy, Standford CoreNLP and so on* Learn about Features Extraction and Feature selection as part of Features Engineering.* Explore the advantages of vectorization in Deep Learning.* Get a better understanding of the architecture of a rule-based system.* Optimize and fine-tune Supervised and Unsupervised Machine Learning algorithms for NLP problems.* Identify Deep Learning techniques for Natural Language Processing and Natural Language Generation problems.In DetailThis book starts off by laying the foundation for Natural Language Processing and why Python is one of the best options to build an NLP-based expert system with advantages such as Community support, availability of frameworks and so on. Later it gives you a better understanding of available free forms of corpus and different types of dataset. After this, you will know how to choose a dataset for natural language processing applications and find the right NLP techniques to process sentences in datasets and understand their structure. You will also learn how to tokenize different parts of sentences and ways to analyze them.During the course of the...

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