Hands-on Natural Language Processing with Python: Leverages the power of natural language processing and deep learning to extract insightful results from text in this Build-Implement-Learn Machine learning and deep learning approach. This book teaches you the various aspects of natural language processing using the Python programming language. You will learn how to build models for tasks such as sentiment analysis, named entity recognition, part-of-speech tagging, semantic similarity, and more. This book is packed with real-world projects and examples, making it an excellent choice for those who want to learn natural language processing with Python.

Hands-on Natural Language Processing with Python: Learn how to build NLP applications using Python and the Natural Language Toolkit (NLTK). This book is designed for beginners and assumes no prior knowledge of programming languages or computational linguistics. It covers the fundamentals of natural language processing, including text classification, sentiment analysis, named entity recognition, and more. You will learn how to use Python to analyze text and extract useful information from it.

The Python Natural Language Processing Cookbook: A hands-on guide to building natural language processing applications using Python. This book is perfect for anyone who wants to learn natural language processing with Python, whether they are new to programming or have some experience. It contains practical examples and exercises to help you learn how to build NLP applications.

Practical Natural Language Processing with Python: Learn how to build practical NLP applications using Python. This book is perfect for anyone who wants to learn how to use Python to analyze text and extract useful information from it. It covers topics such as text classification, sentiment analysis, named entity recognition, and more. You will learn how to build NLP applications in Python using various libraries and tools.

Natural Language Processing: Python and NLTK: This book is a comprehensive guide to building natural language processing applications using Python and the Natural Language Toolkit (NLTK). It covers the fundamentals of natural language processing, including text classification, sentiment analysis, named entity recognition, and more. You will learn how to use Python to analyze text and extract useful information from it.

Natural Language Processing With Python: A hands-on guide to building natural language processing applications using Python. This book is perfect for anyone who wants to learn natural language processing with Python, whether they are new to programming or have some experience. It contains practical examples and exercises to help you learn how to build NLP applications.

Natural Language Processing with Python: Natural Language Processing with Python teaches you how to use Python to analyze text and extract useful information from it. You will learn how to build NLP applications using various libraries and tools, including NLTK, scikit-learn, gensim, and spaCy. The book covers topics such as text classification, sentiment analysis, named entity recognition, and more. It is perfect for anyone who wants to learn natural language processing with Python.
Natural Language Processing (NLP) and its applications have gained significant importance due to the vast amount of data available in the form of text. NLP technologies are used to develop applications that can understand and generate human-like text, which is crucial in various fields such as customer service, healthcare, finance, and more. This book aims to provide a comprehensive guide to NLP, covering both theoretical and practical aspects.

The book begins with an introduction to NLP, explaining the basics of natural language and its importance in today's world. It then delves into the different techniques and tools used in NLP, such as regular expressions, tokenization, and parsing. The book also covers the basics of machine learning and deep learning in the context of NLP, explaining how they are used to solve NLP problems.

One of the key features of this book is its focus on practical applications. It includes numerous examples and exercises that allow readers to apply the concepts they have learned. The book also includes a chapter on natural language generation, which explains how to generate human-like text using NLP techniques.

The book also covers advanced topics such as sentiment analysis, named entity recognition, and topic modeling. It provides a thorough understanding of these topics, including the algorithms and techniques used to solve them. The book concludes with a chapter on using NLP in real-world applications, such as chatbots, recommendation systems, and more.

Overall, this book is an excellent resource for anyone looking to learn NLP. It is written in an easy-to-understand manner, making it accessible to beginners, while also providing enough depth to satisfy more advanced readers.
Natural Language Processing Crash Course for Beginners

What is Natural Language Processing?

Artificial Intelligence (AI) isn't the latest fad! The reason is AI has been around since 1956, and its relevance is rapidly evolving in today's world. Artificial Intelligence incorporates human-like intelligence into machines. Natural Language Processing (NLP) is a branch of AI, enabling machines to be understood by humans. Deep Learning (DL) is a subset of Machine Learning that is designed to identify patterns within large data sets. NLP is immensely powerful and impactful as every business is looking to integrate it into their day-to-day dealings. How Is This Book Different? This book by AI Publishing is carefully crafted, giving equal importance to the theoretical concepts as well as the practical aspects of natural language processing. In each chapter of the second half of the book, the author provides step-by-step explanations of the installation of the software needed to implement the various NLP techniques in this book. You can start experimenting with the practical aspects of NLP right from the beginning. Once you are done with the R code, you can also write scripts in Python programming language to implement the various NLP techniques in this book.

Natural Language Processing Crash Course for Beginners

NLP combines computational linguistics and Artificial Intelligence, making computers and humans communicate seamlessly. And NLP is immensely helpful. You get all the codes and datasets with this book. If you have access to a computer with the internet, you can get started. The topics covered include: What is Natural Language Processing? Environment Setup and Python Crash Course, Introduction to Deep Learning, Text Cleaning and Manipulation, Common aspects of NLP right from the beginning. Even if you are new to Python, you'll find the ultra-short course on Python programming language in the second chapter material presented with this book--Python codes, exercises, PDFs, and references so the practitioner's without having to spend extra time. You can download hands-on NLP projects and competitions that you can try on your own. The main benefit of purchasing this book is you get immediate access to all the extra learning material presented with this book: Python notes, exercises, FAQs, and references so the practitioner's without having to spend extra time. You can download the datasets used in this book at runtime, or you can access them in the Resources/Datasets folder. The author holds your hand through everything. He provides you a step-by-step explanation of the installation of the software needed to implement the various NLP techniques in this book. You can start experimenting with the practical aspects of NLP right from the beginning. Once you are done with the R code, you can also write scripts in Python programming language to implement the various NLP techniques in this book.

Deep Learning for Natural Language Processing

Deep Learning (DL), a subfield of Machine Learning, uses algorithms that are inspired by the functioning of the human brain. Natural Language Processing (NLP) combines computational linguistics and Artificial Intelligence, making computers and humans communicate seamlessly. And NLP is immensely powerful and impactful as every business is looking to integrate it into their day-to-day dealings. How Is This Book Different? This book by AI Publishing is carefully crafted, giving equal importance to the theoretical concepts as well as the practical aspects of natural language processing. In each chapter of the second half of the book, the author provides step-by-step explanations of the installation of the software needed to implement the various NLP techniques in this book. You can start experimenting with the practical aspects of NLP right from the beginning. Once you are done with the R code, you can also write scripts in Python programming language to implement the various NLP techniques in this book.

Deep Learning for Natural Language Processing

Humans do a great job of reading text, identifying key ideas, summarizing, making connections, and other tasks that require comprehension and context. Recent advances in deep learning make it possible for computers to perform these tasks to a certain extent. How Is This Book Different? This book by AI Publishing is carefully crafted, giving equal importance to the theoretical concepts as well as the practical aspects of natural language processing. In each chapter of the second half of the book, the author provides step-by-step explanations of the installation of the software needed to implement the various NLP techniques in this book. You can start experimenting with the practical aspects of NLP right from the beginning. Once you are done with the R code, you can also write scripts in Python programming language to implement the various NLP techniques in this book.