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Hands-On Large Language Models Jay Alamar, Maarten Grootendorst, 2024-09-11 AI has acquired startling new language capabilities in just the past few years. Driven by the rapid advances in deep learning, language AI systems are able to write and understand text better than ever before. This trend enables the rise of new features, products, and entire industries. With this book, Python developers will learn the practical tools and concepts they need to use these capabilities today. You'll learn how to use the power of pre-trained large language models for use cases like copywriting and summarization, create semantic search systems that go beyond keyword matching, build systems that classify and cluster text to enable scalable understanding of large amounts of text documents, and use existing libraries and pre-trained models for text classification, search, and clustering. This book also shows you how to build advanced LLM pipelines to cluster text documents and explore the topics they belong to, build semantic search engines that go beyond keyword search with methods like dense retrieval and rerankers, learn various use cases where these models can provide value, understand the architecture of underlying Transformer models like BERT and GPT, get a deeper understanding of how LLMs are trained, understand how different methods of fine-tuning optimize LLMs for specific applications, generative model fine-tuning, contrastive fine-tuning in context learning, etc.

Praxisbuch Large Language Models Jay Alamar, Maarten Grootendorst, 2025-10-28 Alle Werkzeuge und Techniken für die praktische Arbeit mit LLMs. Das Handbuch für das intuitive Verständnis von LLMs. Mit zahlreichen Visualisierungen, die Konzepte schnell zugänglich machen. Themen sind die Sprachverarbeitung, Textklassifikation, Suche oder Cluster und die Sprachgenerierung vom Prompt Engineering bis zur Retrieval Augmented Generation (RAG). Die Autoren haben mit ihren beliebten Blogs Millionen von Entwicklern geholfen, Machine Learning und KI zu verstehen. Diese umfassende und anschauliche Einführung in die Welt der LLMs beschreibt sowohl konzeptionelle Grundlagen als auch konkrete Anwendungen und nützliche Tools. Tauchen Sie in das Innenleben von LLMs ein und erkunden Sie ihre Architekturen, Einsatzbereiche, Trainingsmethoden und Feintuning-Techniken. Mit seiner einzigartigen Mischung aus intuitiv verständlichen Illustrationen und praxisbezogenen Erläuterungen ist dieses Buch die ideale Ausgangsbasis für alle, die die Möglichkeiten von KI-Systemen voll ausschöpfen möchten. Sie lernen vortrainierte Transformer-LLMs von Hugging Face für Anwendungsfälle wie das Verfassen von Texten oder für Inhaltszusammenfassungen einzusetzen. Sie erfahren außerdem, wie Sie Suchsysteme erstellen und vorhandene Bibliotheken und vortrainierte Modelle für Textklassifikation, Suche und Clustering nutzen. Verstehen Sie die Architektur von Transformer-basierten Sprachmodellen, die bei der Textgenerierung und Repräsentation hervorragende Ergebnisse liefern. Entwerfen Sie fortgeschrittene LLM-Pipelines, um Textdokumente zu clustern und die darin enthaltenen Themen zu erforschen. Erstellen Sie semantische Suchmaschinen, die über den Abgleich von Schlagwörtern hinausgehen und auf Methoden wie Dense Retrieval und Reranking basieren. Lernen Sie, wie Sie generative Modelle optimal einsetzen, vom Prompt Engineering bis hin zur Retrieval Augmented Generation (RAG).

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Mac Secrets Mark Hattersley, 2010-11-17 Explore the latest Mac OS X features tips tricks and secrets with a Mac insider Written by an internationally recognized Macintosh expert and Apple aficionado this book is aimed at intermediate level Mac users with behind-the-scenes knowledge and insider tips for users of all levels You'll forego the hype and get straight down to business on how things work what's new and what's different about Mac OS X Offering the inside scoop on what you really need to know this book shows you how to best optimize the new Mac operating system to accommodate your needs Cuts to the heart of Mac OS X and explains how it works what's new and what's different Explains how you can optimize Mac OS X to suit your needs Tells you what you need to know and reveals little-known tips tricks shortcuts and advice from an internationally renowned Mac insider Focuses only on what you really want to know and doesn't waste your time with basic computer concepts that you already know It's no secret Mac OS X Secrets is the ultimate insider's guide to Mac OS X

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Kiplinger's Personal Finance, 2008 **Fortune** Henry Robinson Luce, 2006-03 India Today, 2006 *PC*

Magazine ,2008

Macbook Price Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Macbook Price**," written by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound impact on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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