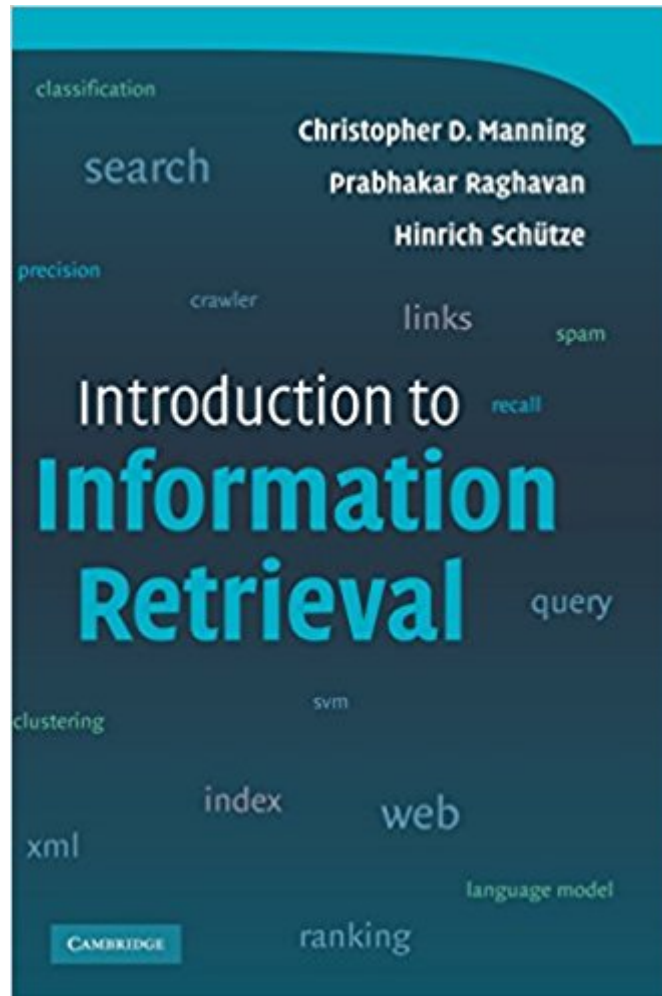




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# Introduction To Information Retrieval



## Synopsis

Class-tested and coherent, this groundbreaking new textbook teaches web-era information retrieval, including web search and the related areas of text classification and text clustering from basic concepts. Written from a computer science perspective by three leading experts in the field, it gives an up-to-date treatment of all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections. All the important ideas are explained using examples and figures, making it perfect for introductory courses in information retrieval for advanced undergraduates and graduate students in computer science. Based on feedback from extensive classroom experience, the book has been carefully structured in order to make teaching more natural and effective. Although originally designed as the primary text for a graduate or advanced undergraduate course in information retrieval, the book will also create a buzz for researchers and professionals alike.

## Book Information

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"This is the first book that gives you a complete picture of the complications that arise in building a modern web-scale search engine. You'll learn about ranking SVMs, XML, DNS, and LSI. You'll discover the seedy underworld of spam, cloaking, and doorway pages. You'll see how MapReduce and other approaches to parallelism allow us to go beyond megabytes and to efficiently manage petabytes." Peter Norvig, Director of Research, Google Inc."Introduction to Information Retrieval is a

comprehensive, up-to-date, and well-written introduction to an increasingly important and rapidly growing area of computer science. Finally, there is a high-quality textbook for an area that was desperately in need of one." Raymond J. Mooney, Professor of Computer Sciences, University of Texas at Austin"Through compelling exposition and choice of topics, the authors vividly convey both the fundamental ideas and the rapidly expanding reach of information retrieval as a field." Jon Kleinberg, Professor of Computer Science, Cornell University"Highly recommended." H.Levkowitz, Choice Magazine"Introduction to Information Retrieval is a comprehensive, authoritative, and well-written overview of the main topics in IR. The book offers a good balance of theory and practice, and is an excellent self-contained introductory text for those new to IR." Olga Vechtomova, Computational Linguistics

Coherent and up-to-date, this textbook for advanced undergraduate and beginning graduate students in computer science covers all aspects of the design and implementation of systems for gathering, indexing, and searching documents; methods for evaluating systems; and an introduction to the use of machine learning methods on text collections

I have no desire to build an internet search engine, so I'm not the target audience. However, I do work with large corpora, some of which are unindexed. When one search I programmed (in R) took 14 hours to complete (this after one attempt produced unusable results due to a bug and another crashed twelve hours in due to the power saver mode kicking in), I knew I had to find a better way. I knew from the free sample that this book was what I was looking for. Thinking this would be a completely new field to me, I was surprised how much I already knew. Some of it is not relevant to corpus linguists (result ranking for example), but if you're a corpus linguist and want to build an index for your corpus, I doubt you'll find a better book than this. And the Kindle edition is done well, which is not always the case. Websites are hyperlinked and you can jump to the next or previous section with the 5-way controller.

Managing Gigabytes used to be my favorite book on search, but it is getting quite dated as this point. This new book is by three search gurus, Chris Manning, Prabhakar Raghavan (head of Yahoo Research), and Hinrich Schutze, and the depth of their expertise shows. This book not only describes how to build a search engine (including crawling, indexing, ranking, classification, and clustering), but also has many of the insights you can only get from lengthy experience using these techniques at large scale. Definitely my new favorite book on search. If you work in search or just

have an interest in the field, it is a great read.

This is my first book about information retrieval, and I think that is perfect! The book covers all the modern topics in the information retrieval field. It's very clear and really simple to understand. Great book! Congratulations to the authors!

I purchased this for a class, but it is a nice overview and beginning reference.

Great introductory text. With comprehensive up-to-date review and references.

Very clean and written so that you can grasp the material if you take your time. Unlike other books, it doesn't just throw a plethora of equations at you and leave you to fend for yourself. Instead, it explains things from a high level (like what machine learning algorithm to use and when) and in detail (what each component of an equation does).

Delivery is super fast, the quality of the book is very good. I am currently in Singapore but I am impressed by the delivery speed. The content of the book is easy to understand but not shallow. A very good book. Highly recommend for those who are interested in Information Retrieval, Social Media retrieval or Text analysis fields.

A very detailed and implementation focused book. This book contains enormous amount of wisdom that could only have been garnered by actually implementing IR in the real-world..

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