

Foundations of Statistical Natural Language Processing



This is the companion website for the following book.

[Chris Manning](#) and [Hinrich Schütze](#), *Foundations of Statistical Natural Language Processing*, MIT Press. Cambridge, MA: May 1999.

Interested in buying the book? [Some more information about the book and sample chapters are available.](#)

If you are here to look up something that is mentioned in the book, click on the appropriate chapter link below.

A list of [errata](#) is also available. Please send us any corrections, and get to see your name in lights!

We'd be pleased to get feedback about how this book works out as a textbook, what is missing, or covered in too much detail, or what is simply wrong. Please send any feedback or comments to cmanning@acm.org or hinrich@hotmail.com.

Chapters

1. [Introduction](#)
2. [Mathematical Foundations](#)
3. [Linguistic Essentials](#)
4. [Corpus-Based Work](#)
5. [Collocations](#)
6. [Statistical Inference: \$n\$ -gram Models over Sparse Data](#)
7. [Word Sense Disambiguation](#)
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9. [Markov Models](#)
10. [Part-of-Speech Tagging](#)
11. [Probabilistic Context Free Grammars](#)
12. [Probabilistic Parsing](#)
13. [Statistical Alignment and Machine Translation](#)
14. [Clustering](#)
15. [Topics in Information Retrieval](#)
16. [Text Categorization](#)

[Useful Sites](#) (including Manning's [StatNLP resources](#))

Courses using the book

Some courses that have used this book are the following (we're happy to be told of others!).

USA

[UPenn CIS530](#), [UPenn CIS639](#), [Berkeley SIMS 296a-4](#), [BYU CS479](#), Johns Hopkins: [current](#) (Eisner) and [previous](#) [lots of great slides by Jan Hajic!], [Brown CS241](#), [CMU 11-682](#), [CMU 11-761](#), [Stanford CS224N](#), [Oregon Graduate Institute CSE580](#), [Ohio State](#), [U Chicago](#), [Purdue](#) [lots of slides], [Tufts](#), [Minnesota 1](#), [Minnesota 2](#), [SUNY Albany](#), [San Diego SU](#), [Mississippi State](#), [UCLA](#).

Canada

[U Toronto CSC401](#), [Concordia](#), [Dalhousie U CSCI4152](#) [lots of slides!], [U Alberta](#).

Europe

[Edinburgh Cogsci MSc](#), [Helsinki University of Technology TIK-61.182](#), [Munich](#), [Bochum](#), [Göteborgs](#), [Växjö University](#), [University of Amsterdam](#), [Warsaw University of Technology](#), [Universidad Europea de Madrid - CEES](#).

Middle East

[Arab Academy for Science & Technology and Marine Transport](#).

Asia

[Pohang University of Science and Technology \(POSTECH\)](#), [National Cheng-chi University, Taiwan](#), [IIT Delhi](#)

[Christopher Manning](#) and [Hinrich Schütze](#) -- 09/03/2009 04:06:05