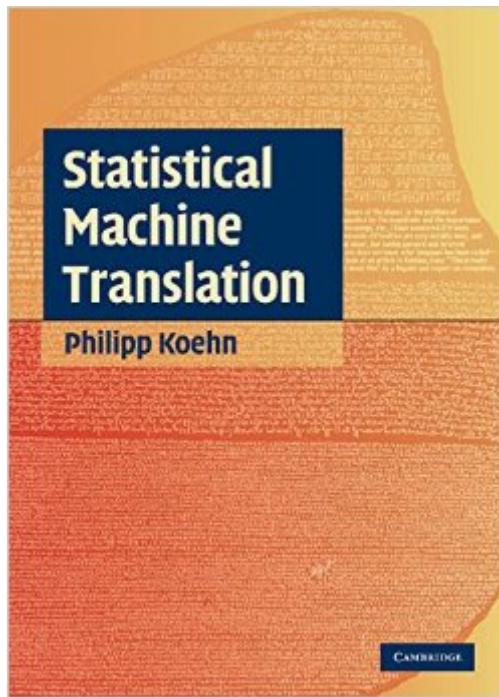


The book was found

# Statistical Machine Translation



## **Synopsis**

This introductory text to statistical machine translation (SMT) provides all of the theories and methods needed to build a statistical machine translator, such as Google Language Tools and Babelfish. In general, statistical techniques allow automatic translation systems to be built quickly for any language-pair using only translated texts and generic software. With increasing globalization, statistical machine translation will be central to communication and commerce. Based on courses and tutorials, and classroom-tested globally, it is ideal for instruction or self-study, for advanced undergraduates and graduate students in computer science and/or computational linguistics, and researchers in natural language processing. The companion website provides open-source corpora and tool-kits.

## **Book Information**

Hardcover: 446 pages

Publisher: Cambridge University Press; 1 edition (January 18, 2010)

Language: English

ISBN-10: 0521874157

ISBN-13: 978-0521874151

Product Dimensions: 6.8 x 1 x 9.7 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 4.6 out of 5 starsÂ  See all reviewsÂ  (5 customer reviews)

Best Sellers Rank: #703,000 in Books (See Top 100 in Books) #65 inÂ  Books > Computers & Technology > Computer Science > AI & Machine Learning > Natural Language Processing #9429 inÂ  Books > Textbooks > Computer Science #169802 inÂ  Books > Reference

## **Customer Reviews**

Philipp Koehn is a superb lecturer and teacher in the area of statistical machine translation (SMT). I have been living off his lecture notes from the ACL, LSA summer session and Edinburgh for years and eagerly waiting for this book to tie everything together. Koehn has the ability to take complex statistical concepts and make them comprehensible. And he has an encyclopedic knowledge of the state-of-the-art in SMT. His bibliography alone is worth the price of this book. This book will be the gold standard in SMT for years to come. I would highly recommend to students and professionals in the field.

I currently work at NLP software company in South Korea as an NLU software developer. When I

bought this book, I was finishing my own MT decoder and starting to build a rudimentary IBM word alignment model trainer. This book greatly contributed to the project in that it deeply corrected my wrong understanding of many concepts such as dynamic programming, optimization, beam search, and etc. Best part : It includes easy-to-understand pseudo-code for IBM 1~5 word alignment process. It was also helpful in improving the performance of existing decoder. As one of the leading figures in well-known Moses project and Euro Matrix, author's explanation is firmly grounded upon practical experience and includes a lot of elements required for building a prototype MT system. I believe reading this book with the background knowledge that you can learn in such books as Artificial Intelligence: A Modern Approach or Mitchell's Machine Learning, may maximize your learning rate, since the subject stuffs in these books are highly inter-related with each others, for example, unsupervised learning algorithm (especially EM), optimization and search. This book is top-ranked in NLP category of my personal book shelf. I guess you won't regret if you purchase one.

It is more or less obligatory reading for anyone working on the topic. Goes through most important methods and approaches to implementing the system and the algorithms are described well enough that one can re-implement them easily. There are some errors that can be problematic if you forget to check the errata. Sometimes the notations of formulas are a bit hard to follow. All in all rather well written school-book for contemporary statistical machine translation.

well written and entertaining text book. would have liked more on hierarchical parsing models. the kindle edition was great except that the diagrams could not be zoomed

Excellent Book in English with clear explanations. Not too much alien symbols. Great thanks to the author. Really good book.!

[Download to continue reading...](#)

Statistical Machine Translation  
Introduction to Statistical Relational Learning (Adaptive Computation and Machine Learning series)  
Introduction to Statistical Machine Learning  
The Confessions: (Vol. I/1) Revised, (The Works of Saint Augustine: A Translation for the 21st Century) (The Works of Saint Augustine: A Translation for the 21st Century, Vol. 1)  
Translation-mediated Communication in a Digital World: Facing the Challenges of Globalization and Localization (Topics in Translation)  
Lancelot-Grail: 2. The Story of Merlin: The Old French Arthurian Vulgate and Post-Vulgate in Translation (Lancelot-Grail: The Old French Arthurian Vulgate and Post-Vulgate in Translation)  
Romans: Grace and Glory (The Passion Translation): The Passion Translation Machine Translation

The Bread Lover's Bread Machine Cookbook: A Master Baker's 300 Favorite Recipes for Perfect-Every-Time Bread-From Every Kind of Machine More Bread Machine Magic : More Than 140 New Recipes From the Authors of Bread Machine Magic for Use in All Types of Sizes of Bread Machines Bread Machine Cookbook: Delicious And Simple Bread Machine Recipes 80 Bread Machine Best-Ever Recipes: Discover the potential of your bread machine with step-by-step recipes from around the world, illustrated in 300 photographs The Bread Machine Bible: More Than 100 Recipes for Delicious Home Baking with Your Bread Machine The Bread Machine Magic Book of Helpful Hints: Dozens of Problem-Solving Hints and Troubleshooting Techniques for Getting the Most out of Your Bread Machine The Complete Guide to Machine Quilting: How to Use Your Home Sewing Machine to Achieve Hand-Quilting Effects First-Time Machine Applique: Learning to Machine Applique in Nine Easy Lessons The Sewing Machine Embroiderer's Bible: Get the Most from Your Machine with Embroidery Designs and Inbuilt Decorative Stitches The Sewing Machine Classroom: Learn the Ins & Outs of Your Machine The Sewing Machine Accessory Bible: Get the Most Out of Your Machine---From Using Basic Feet to Mastering Specialty Feet Mastering Machine Applique: The Complete Guide Including: Invisible Machine Applique Satin Stitch Blanket Stitch & Much More

[Dmca](#)