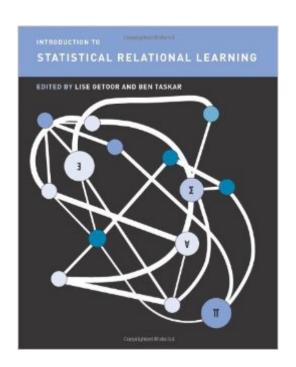
## The book was found

# Introduction To Statistical Relational Learning (Adaptive Computation And Machine Learning Series)





# **Synopsis**

Handling inherent uncertainty and exploiting compositional structure are fundamental to understanding and designing large-scale systems. Statistical relational learning builds on ideas from probability theory and statistics to address uncertainty while incorporating tools from logic, databases and programming languages to represent structure. In Introduction to Statistical Relational Learning, leading researchers in this emerging area of machine learning describe current formalisms, models, and algorithms that enable effective and robust reasoning about richly structured systems and data. The early chapters provide tutorials for material used in later chapters, offering introductions to representation, inference and learning in graphical models, and logic. The book then describes object-oriented approaches, including probabilistic relational models, relational Markov networks, and probabilistic entity-relationship models as well as logic-based formalisms including Bayesian logic programs, Markov logic, and stochastic logic programs. Later chapters discuss such topics as probabilistic models with unknown objects, relational dependency networks, reinforcement learning in relational domains, and information extraction. By presenting a variety of approaches, the book highlights commonalities and clarifies important differences among proposed approaches and, along the way, identifies important representational and algorithmic issues. Numerous applications are provided throughout. Lise Getoor is Assistant Professor in the Department of Computer Science at the University of Maryland. Ben Taskar is Assistant Professor in the Computer and Information Science Department at the University of Pennsylvania.

#### **Book Information**

Series: Adaptive Computation and Machine Learning series

Hardcover: 608 pages

Publisher: The MIT Press (August 31, 2007)

Language: English

ISBN-10: 0262072882

ISBN-13: 978-0262072885

Product Dimensions: 8 x 1 x 10 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars Â See all reviews (1 customer review)

Best Sellers Rank: #853,933 in Books (See Top 100 in Books) #147 in Books > Computers &

Technology > Computer Science > Al & Machine Learning > Machine Theory #157 in Books >

Computers & Technology > Programming > Software Design, Testing & Engineering > Logic

### **Customer Reviews**

Book arrived perfectly.

#### Download to continue reading...

Introduction to Statistical Relational Learning (Adaptive Computation and Machine Learning series) Introduction to Machine Learning (Adaptive Computation and Machine Learning series) Machine Learning: A Probabilistic Perspective (Adaptive Computation and Machine Learning series) Foundations of Machine Learning (Adaptive Computation and Machine Learning series) Gaussian Processes for Machine Learning (Adaptive Computation and Machine Learning series) Bioinformatics: The Machine Learning Approach, Second Edition (Adaptive Computation and Machine Learning) Reinforcement Learning: An Introduction (Adaptive Computation and Machine Learning series) Boosting: Foundations and Algorithms (Adaptive Computation and Machine Learning series) Probabilistic Graphical Models: Principles and Techniques (Adaptive Computation and Machine Learning series) Modern Adaptive Randomized Clinical Trials: Statistical and Practical Aspects (Chapman & Hall/CRC Biostatistics Series) Introduction to Statistical Machine Learning IntAR, Interventions Adaptive Reuse, Volume 03; Adaptive Reuse in Emerging Economies Deep Learning: Recurrent Neural Networks in Python: LSTM, GRU, and more RNN machine learning architectures in Python and Theano (Machine Learning in Python) Unsupervised Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python and Theano (Machine Learning in Python) Deep Learning in Python Prerequisites: Master Data Science and Machine Learning with Linear Regression and Logistic Regression in Python (Machine Learning in Python) Convolutional Neural Networks in Python: Master Data Science and Machine Learning with Modern Deep Learning in Python, Theano, and TensorFlow (Machine Learning in Python) Deep Learning in Python: Master Data Science and Machine Learning with Modern Neural Networks written in Python, Theano, and TensorFlow (Machine Learning in Python) Unsupervised Machine Learning in Python: Master Data Science and Machine Learning with Cluster Analysis, Gaussian Mixture Models, and Principal Components Analysis Machine Learning with Spark -Tackle Big Data with Powerful Spark Machine Learning Algorithms Relational Database Design Clearly Explained, Second Edition (The Morgan Kaufmann Series in Data Management Systems)

**Dmca**